

SANDIA BULLETIN

Vol. 3, No. 2 Sandia Corporation, Albuquerque, N. M. Jan. 19, 1951

Safety Engineer Has Two Reports for Month: No Disabling Accidents, He Likes New Mexico

"There is no romance in courting danger!" That slogan was popularized many years ago by A. Burton Metzger, nationally known safety engineer, now at Sandia as a special consultant.

Several months ago, when Sandia Corporation officials expressed concern over the safety record of the Laboratory, the Atomic Energy Commission suggested that Mr. Metzger be asked to come here for a study of the situation, in view of his long service and record of achievement in similar industrial activities.

"Mrs. Metzger and I welcomed the opportunity to come to Albuquerque," the genial safety expert told a Bulletin reporter, "because

we had never visited the Southwest." During the month they have been here the Metzgers have become natives at heart — an effect enhanced, on Mr. Metzger's part by a genuine triple-X beaver western hat. He has also purchased a pair of fancy inlaid leather boots, and is diligently practicing a western drawl.

Mr. Metzger takes no credit for the fact that Sandia Corporation had no disabling injuries during the month of December. Mr. Metzger hopes, however, that this is an indication that the supervisors and employees here are becoming safety conscious. He also hopes to be of assistance in setting up a long-range program that will insure continuation of such a record. The rapid expansion of the project, plus the hiring of hundreds of new and untrained employees, and the fact that much of the equipment and facilities are new and unfamiliar — these factors pose special safety problems, all right down Mr. Metzger's alley.

Mr. Metzger is a graduate of the School of Engineering, Pratt Institute, Brooklyn, N. Y., and a former Associate Professor of Safety Engineering for the University of Maryland. He served two terms as President of the Balti-

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It's Easy to Buy Bonds By the Deduction Plan Available to Employees

A payroll deduction plan for the purchase of United States Savings Bonds will be placed in effect for all employees of Sandia Corporation on January 22. Application forms and literature about the plan were distributed to department managers at a meeting held Thursday in the Administration building conference room. All supervisors received enough application blanks for their employees, along with a supply of leaflets and posters.

The payroll deduction plan has been used successfully throughout the country as a simple and effective way to save systematically, while at the same time helping to finance the present national emergency. To meet future financial responsibilities there is no substitute for saving, and a convenient way to do this is to buy Savings Bonds on the payroll savings plan.

The plan is as simple as ABC:
A. You authorize deductions from your pay in the amount desired.

B. The amount withheld from
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Fred Schmidt, vice-president and operating manager, welcomes A. Burton Metzger, safety consultant, to Sandia.



A contract between the Sandia Corporation and The Atomic Project & Production Workers, Metal Trades Council, A.F. of L., was signed Tuesday, January 16, in a brief ceremony in the Administration building. The contract covers approximately 700 production and maintenance workers at Sandia, the West Lab, and Salton Sea. Shown signing for the AP & PW is Julian C. Moody, president. Seated at right is Edwin J. Domier, manager of the Labor Relations Department. Standing, left to right, are: Fred B. Smith, Personnel Director and Treasurer, Sandia Corporation, and two representatives of the bargaining unit, John Byrnes and Harold E. Keith. Signing of the contract ended seven and one-half months of almost continuous negotiations. Copies of the negotiated agreement have been furnished to all supervisors.

L. J. HEILMAN PROMOTED TO SUPERINTENDENT OF NEW PLANT SERVICES ORGANIZATION

Recent Sandia Corporation organizational changes resulted in the transfer and promotion of several supervisors. In the organization of the Vice President and Operating Manager a new organization, Plant Services, was established January 1, with Luther J. Heilman as superintendent in charge. The organization includes the following departments: Plant Maintenance and Service, 2410; West Lab Maintenance and Service, 2430; Plant Security, 2450 (formerly 2610); and Document Department, 2460 (formerly 2140).

In other changes Robert E. Winter was promoted to Manager of the Development Staff Department, 4210, reporting to F. Cowan, superintendent of Staff and Business Methods, 4200, and J. C. Hart was appointed to replace Mr. Winter as supervisor of the Labor Relations Division, 3211. Robert E. Hopper was promoted to fill a vacancy in the 2000 organization as manager of the Plant Engineering Department, 2100, reporting to W. H. Pagenkopf.

Luther J. Heilman, Sandia's newest and youngest superintendent, rightfully considers the physical plant his "baby," because he has had an important part in the planning and development of the entire Laboratory. At the age of

Superintendent of Plant Services, 2400.

In June, 1946, when Luther was a captain in the Army Corps of Engineers, he came to Sandia Base as Post Engineer, and at that time the Army was handling all engineering and maintenance work for the University of California. During the two years that followed, Captain Heilman arranged for the design and construction of many of the first permanent buildings in the Tech area, and saw the project expand rapidly to a point where the maintenance work could no longer be handled as a function of the Post Engineer's office.

The obvious result was that Luther received a discharge from the Army to enable him to join the Laboratory staff and set up a Plant Maintenance organization. In the fall of 1948 he became manager of the department, and held that position until his promotion to superintendent effective January 1. In addition to the work he formerly performed (the position now filled by Dave Tarbox) Luther now directs the West Lab Maintenance Department, the Plant Security Department and
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Luther J. Heilman

34 he directs the activities of a far-flung maintenance and service organization and bears the title of

SANDIA BULLETIN

Friday, January 19, 1951

Published for the employees of
The Sandia Corporation
Albuquerque, New Mexico

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The Sandia Bulletin is published every second Friday. Contributions should be mailed to The Bulletin, Employee Services office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Coronado Club Schedule

(Clip this schedule and save it as a handy reference)

Saturday, January 20: Dance to juke box music, 8:30 to midnight.

Sunday, Jan. 21: Buffet dinner dance, Charles Biesel and his trio, 5 to 9 p. m.

Tuesday, Jan. 23: Square dance instruction.

Thursday, Jan. 25: Bridge party, admission 25 cents per person, 7:45 p. m. (All admissions and an added \$10 will be given out as prizes.)

Friday, Jan. 26: Children's party, ages under 10, 7 to 8:30 p. m.

Saturday, Jan. 27: Informal dance, 9 p. m. to 1 a. m.

Tuesday, Jan. 30: Square dance callers instruction.

Wednesday, Jan. 31: Bingo at 8 p. m.



Editor of The Bulletin, Robert S. Gillespie is looking over some of the copy with Marguerite Giannettino, his assistant. Bob has been in Albuquerque about a year and a half and formerly was a member of the journalism faculty at the University of New Mexico. Maggie has been in the Duke city for four years and is a graduate of the journalism department at the University. The Bulletin office is located in Bldg. T-301, Employees Services office. The telephone number will be announced when installed.

HEALTH HINTS



Dr. Hirsch

This is the first of a feature column which will appear regularly in The Sandia Bulletin. The medical department welcomes this opportunity to be able to more fully acquaint the personnel of the Corporation with its services, aims, and development.

As most of you know, the department is one of the newer ones, having its inception with the arrival of Dr. F. G. Hirsch, the medical director, last July. Up until that time Mrs. Irene Palmer, R. N. and Mrs. Marguerite Barnard, R. N., were giving industrial nursing service and counsel in Building T-818 and at the West Laboratory. Since that time new personnel and equipment have been procured to the point where a complete industrial medical service is now available to the personnel of the Corporation.

As things now stand a staff of 14 people comprise the department's personnel. This group includes one physician, eight registered nurses, three laboratory technicians, and two clerical workers. The department has in operation, medical facilities located in Buildings 818, 892, 840, West Laboratory, and at the Salton Sea Test Base. A clinical and research laboratory has been set up temporarily in the West Laboratory. As various phases of the construction program are completed, the department will occupy the permanent locations which have been arranged for.

Eventually the main office will be located in Building A-19, which is under construction. Until that time it will remain in the present location at Building T-818. The newest facility to be placed into operation is in Room 150, Building 892, (new Road Building), where Mrs. Margaret Reese, R. N., and Mrs. Ruth Keyser, R. N., are stationed. This new facility is completely furnished and ready to serve the employees in that general area.

To complete this initial article, which has tried to present a thumbnail outline of what the medical department is and what it tries to do for the employees, a statement of its policy is in order. The following is quoted from a publication of the American College of Surgeons on medical service in industry. It is a statement of what constitutes a sound medical service in the judgement of this authoritative group. The medical department of the Sandia Corporation is being developed strictly in accordance with these standards.

*Standards for Medical Service in Industry

1. The industrial establishment shall have an organized medical department or service with competent medical staff including consultants and also shall have adequate emergency, dispensary and hospital facilities and personnel to assure efficient care of the ill and

Sandia Safety Record Hailed

The safety record for the month of December, 1950, may be regarded with pride by all employees of Sandia Corporation. Not one disabling injury was incurred during that period. October, 1949, was the last previous month without a disabling injury.

The record for December, 1950, stands as proof that when supervisors and employees make a sincere and concerted effort, accident prevention is possible. There is no real reason why this record cannot be repeated throughout 1951.

Safety in the minds of all, coupled with a constant alertness, will insure
Simplicity of operation
Accident prevention
Freedom from tension
Efficiency on the job
Top production
Yearly accident records of which we may all be proud.

jured.

2. Membership on the medical staff shall be restricted to physicians and surgeons who are (a) graduates from an acceptable medical school with the degree of Doctor of Medicine, in good standing and licensed to practice in their respective states or provinces, (b) competent in the field of industrial medicine and traumatic surgery, (c) worthy in character and in matters of professional ethics; in the latter connection the practice of the division of fees, under any guise whatsoever, shall be prohibited.

3. There shall be a system of accurate and complete records filed in an accessible manner in the medical department, such records to include particularly a report of injury or illness, description of physical findings, treatment, estimated period of disability, end results, as well as other information pertinent to the case or required by statute for Workmen's Compensation claims or other purposes.

4. Patients requiring hospitalization shall be sent to institutions approved by the American College of Surgeons.

5. The medical department or service shall have general supervision of the sanitation of the plant and the health of all employees.

*Excerpt fr. Medical Service in Industry and Workmen's Compensation Laws, published by American College of Surgeons, page xii.

MOVIES

Friday, January 19: "Born Yesterday" Broderick Crawford, Judy Holliday, William Holden. Universal Newsreel.

Saturday, January 20: "Gasoline Alley" Scotty Beckett, Jimmy Lydon, Susan Morrow. Name Band Musical, Color Terrytoon.

MORE ABOUT Safety Engineer

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more Safety Council and is now a member of the Board of Directors of that organization. He is a member of the National Society of Professional Engineers, the Maryland Society of Professional Engineers, the American Society of Safety Engineers and past President of the Safety Engineering Club of Baltimore. For the past eight years he has served as Chairman of Enforcement of the Maryland Traffic Safety Commission, an appointment which he still holds.

He is rounding out 29 years of service with the Western Electric Company and came to Sandia from the Point Breeze Works in Baltimore, Maryland, where he holds the position of Director of Health and Safety.

During World War I, Mr. Metzger saw active service as an engineering officer in the U. S. Navy, and later served as instructor of Marine Engineering for the Navy at Stevens Institute of Technology. During World War II he served as a "dollar-a-year" man as Consulting Safety Engineer for the U. S. Department of Labor, and was awarded a citation "in appreciation of the notable contribution which you have made to the National Campaign Against Industrial Injuries."

The Metzgers have one son, Burt Jr., who was recently recalled to service with the United States Marines after four years of active service during World War II, almost three years of which was in Pacific combat areas. The younger Metzger hopes the present crisis will end soon, so that he may return to his studies as a law student, and to his wife and small daughter. The small daughter, Mary Conlon Metzger, is the one reason why the Metzgers, Sr., hesitated slightly when asked to accept New Mexico as a temporary home. Granddaughter Mary has been assured that they are just vacationing in New Mexico, and they haven't had the heart to tell her that the assignment Mr. Metzger accepted will keep him at Sandia for at least six months.

Tennis and fishing are Mr. Metzger's favorite sports, and he expects to enjoy both hobbies while in the Land of Enchantment. Another hobby — typical of his appreciation of a good joke, and a penchant for the unusual — is hand-lettering penny postcards to send as personal greetings. Done in color, with the Burma Shave style message strung across the card in a series of signs, a typical message reads: "Happy New Year — Gals and Gents — Cards Like This — Save 15c."

One More Bingo Party Scheduled This Month

Two sessions of Bingo have been enjoyed by Coronado club members during January and the third will be the last day of the month. Wednesday, January 31, at 8 p. m. the numbers again will be called and a fine array of prizes has been arranged for the players.



Two new department managers, Robert Hopper, left (Plant Engineering), and David Tarbox (Plant Engineering and Service), pause to talk shop in the foyer of the new Road Building.

MORE ABOUT Promotions

(Continued from Page 1)

the Document Department.

It was in the middle of the depression when Luther finished high school in Concordia, Missouri, and he decided to go to work instead of going to college. After three years in the hotel business, during which time he worked up to the position of manager of the hostelry, he had saved enough to enroll in the University of Missouri. He worked his way through school as a hasher in the main dining room at Stephens College, an exclusive girls school located a short distance from the University of Missouri. During the summers, he worked as an engineer on a pipeline construction project. While in school he met and married his wife, Ruth, and in 1942 he was called to active duty with the Army.

The Heilmans are among the oldest residents at Sandia Base, and midnight calls for emergency assistance have sometimes made them wish they lived on the West Mesa. Both of them like Sandia, however, and Mrs. Heilman is reconciled to the fact that her husband's working hours are apt to be as irregular as those of a newspaper reporter or a policeman. They have three children, Jimmy, Steve, and Carol, and their ages range from 7 years down to

10 days. Carol is the darling of the household, of course, and came as a welcome New Years present.

Luther says he is too busy for hobbies, except to join the children in a pre-bedtime romp each evening. He is a member of Chi Epsilon, honorary scholastic engineering fraternity, and the American Society of Civil Engineers. He was a member of the original Board of Directors of the Coronado Club and was a member of the membership campaign committee.

Robert E. Hopper

Robert E. Hopper, new manager of the Plant Engineering Department, is no newcomer to important AEC installations, having worked as an engineer at Oak Ridge and Hanford as well as Sandia.

After graduation from Mississippi State College with a B. S. degree in civil engineering in 1940, Bob went to work for the Tennessee Valley Authority at Knoxville, Tenn., and there he met and married a southern belle, Ollie Mae. They have two boys, Bobby and Jimmy, ages 4 and 1.

Early in 1943 the Hoppers went to Hawaii, where Bob worked with the Public Works Design section of the Navy on installations for Pearl Harbor. When that job was finished he returned to Tennessee to work at Oak Ridge for a design and construction firm. He remained there throughout the remainder of the war, and saw Oak Ridge grow from just a few tem-

porary buildings to its present mammoth size. After a short assignment in connection with the design of Whitney Dam and power house now being built near Waco, Texas, Bob returned to Oak Ridge to work for the Kellex Corporation on another construction project, and later went to Richland, Washington, with the same company in connection with the design and installation of the works at Hanford.

In August, 1948, Bob came to Sandia and was assigned to the Architectural Liaison Division of the Building and Maintenance Department. He later transferred to Plant Engineering, and was supervisor of the Plant Engineering and Design Division at the time of his present appointment.

As hobbies Bob favors hunting, fishing, and golf. His enthusiasm for the more strenuous competitive sports was dampened years ago when he broke his leg while playing high school football. He is a devoted family man, and spends a lot of time with his youngsters. His slow, southern drawl and easy-going manner identify his birthplace, but he says the Land of Enchantment compares favorably with the Delta country.

David S. Tarbox

David S. Tarbox, new manager of the Plant Maintenance and Service Department, 2410, has been with the project for three years, and has considerable experience in his field, although he is still a young man. He was supervisor of the Analysis and Inspection Division until his promotion to his present position on January 1.

While serving overseas as an Army first lieutenant with the 7th Armored Division he was awarded the Silver Star for gallantry in action, as well as the Purple Heart. Returning to the States after the war ended, Dave served as assistant Post Engineer at Sandia Base, working with his present boss, L. J. Heilman, who was then an Army captain and post engineer. In May, 1947, he was released from active duty and went to work for a private construction and engineering firm for a short time before joining the Sandia Laboratory staff in the Field Test Department.

Ohio claims Dave as a native son, and it was there that he graduated from the University of Akron with a B. S. degree in civil engineering. The Tarbox family includes two little cartons, David and Clancey Ann, as well as Mrs. Tarbox. They reside on Sandia Base.

Dave dabbles in photography as a hobby, especially likes to photograph children, and more especially, his own.

Jack Hart

Jack Hart, new supervisor of the Labor Relations Division, was going through Albuquerque a couple of years ago on a vacation trip, and dropped in to see a friend at the Chamber of Commerce. The upshot of it was that Jack stayed in Albuquerque and went to work at Sandia Laboratory.

Jack had been in charge of the shell-loading facility of a Remington-Rand ammunition plant in Illinois during World War II. He personally loaded and assembled

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Plans for Weddings Told by Two Employees

Cupid had a field day in the personnel section with two engagements announced. The engagement of Nina Jaynes to John C. Barnes has been announced by her parents, Mr. and Mrs. James Ottis Jaynes, 521 San Lorenzo Drive



Jaynes



Kennedy

and Mr. and Mrs. A. F. Kennedy, Chicago, Ill., have announced the engagement of their daughter, Evelyn to John McHugh, Jr.

Nina is an Albuquerque High School graduate and has been employed in personnel as a messenger and clerk-typist for four months. John Barnes, son of Mr. and Mrs. Charles H. Barnes of Wilmington, Del., is also with personnel at the present time.

Evelyn, a personnel clerk-typist, has been in Albuquerque four months. Her fiance, son of Mr. and Mrs. John McHugh, Sr., Medford, Mass., is a storekeeper, 1st/class working in Naval Administration here at Sandia. Evelyn has set her wedding date for February 3 and will be married by Father Kennedy at the base chapel.

Nina and John plan a spring wedding but no date has been set.

Electrical Engineers To Hear Aircraft Talk At January Meeting

Peter Duyan, Jr., assistant chief equipment engineer of the Douglas Aircraft Co. of Santa Monica, Calif., will present a talk on aircraft electrical installations at the January meeting of the Albuquerque subsection of the American Institute of Electrical Engineers, Monday, January 22 at 7:30 p. m. in the electrical engineering classroom at the University of New Mexico.

Walter J. Dolde of the Public Service Co. of New Mexico will give a short talk of general interest on the planned future sub-distribution system cutover from 2300 volts to 4160 volts in the Albuquerque area.

Mr. Duyan joined the Douglas company electrical group after receiving his degree of B. S. E. E. from the University of California in 1938. He has worked on and supervised the electrical installations on all aircraft built by Douglas since DC-2 days. He is also vice-chairman of the aircraft section of the A. I. E. E.

The meeting is open to the public.

Income tax withholding statements, Form W-2, are now being prepared by Payroll and will be mailed to all employees of Sandia Corporation at their home addresses by the end of January.

MORE ABOUT Promotions

(Continued from Page 3)

by hand the first proximity fuze shells turned out by the plant, and it was when he stopped at the Chamber of Commerce here that he learned about Dr. Workman's important part in the development



Hart

Winter

of the proximity fuze, as head of the New Mexico School of Mines research and development staff.

Jack's first job at Sandia, in May, 1949, carried the title of chief inspector. The scope of this work was expanded later into the Inspection Department where he remained until assigned last August as supervisor of the Program Administration Division.

At the age of 15, having developed a deceptively mature physique, Jack told a white lie about his age and enlisted in the Navy for two years. Since then he has traveled a lot, took time out to attend the University of Illinois, and has held a variety of jobs. Prior to coming to Sandia he was vice president and plant manager of Prior Products, Inc., Middletown, Ohio, and Dallas, Texas. The firm manufactures automotive equipment. Fourteen years of his life were spent with the Hershey Chocolate Corporation. He is listed on the Permanent Roster of Ammunition "Know How," a group of ordnance experts subject to call in time of national emergency.

Jack is a member of the Coronado Club Board of Directors, and finds time to explore a few Indian ruins on weekends. He has two sons, Bruce, 18, who is attending Southern Methodist University, and Roger, 13, who is attending school in Dallas.

Robert E. Winter

Robert E. Winter, manager of the new Development Staff Department, came to Sandia Laboratory a year and a half ago as associate personnel director. Prior to that time he had spent 12 years in the industrial relations field, and had spent most of his adult life in California.

"I was born in Colorado," Bob relates, "went to California to school and stayed there to work, met and married my wife in New York, and came to New Mexico to live." He emphasizes the LIVE, because he and his family are really sold on Albuquerque.

The Development Staff Department is a service organization handling administrative matters for the technical organizations, and Bob is enthusiastic about his new job. Despite his slender build he has the reputation of being a "work horse" and his new position will give him a chance to live up to that reputation, as did his last job as Labor Relations Division

Buffet Dinner Dance Scheduled for Sunday

Another of the regular Sunday buffet dinner-dances will be held at The Coronado club Sunday, January 21. These regular events are scheduled for the Coronado club every other Sunday and many members have been attending them.

Charlie Biesel and his trio will provide music for the dancing and Chef Clifton LeVay will prepare the buffet dinner. Members who have been making it a habit to attend are encouraging their friends to make plans to be at the January 21 buffet dinner as well as those which will follow.

Congratulations to Mr. and Mrs. H. W. Sharp on the birth of a seven pound boy, January 15. Mr. Sharp is superintendent of personnel and public relations. Mother and child are reported doing well.

supervisor.

Golf, hunting, and music are his favorite diversions. He is proud of the fact that he used to be a pretty good clarinet player in the Los Angeles Junior Philharmonic Orchestra, but sadly admits that he's lost his "lip" from lack of practice. The youngsters, Jean and Bruce, aged 8 and 11 respectively, are musically inclined, however, and Bob thinks they both hold promise. His daughter plays the piano, and his son beats a mean drum or doubles in brass as a trombonist. Bob's wife Eleanor likes music too, and is tolerant of their occasionally over-enthusiastic jam sessions.

Back when the Coronado Club was still a hole in the ground, Bob served as chairman of the committee that made all the plans for the club and how it was to be used. The Community Club committee dissolved when the interim Board of Directors was named.

Mothers are wonderful people who can get up in the morning before they smell the bacon frying.

Art League Elects Officers for 1951

Ann Lee Adkins was elected president of the Sandia Base Art League at the last business meeting, January 4, held in the Sandia Base school auditorium. Other officers elected were Caroline Gilbert, vice president; Mary McCulloch, recording secretary; Ricci Bush, correspondence secretary and Janet Smith, treasurer.

The art league holds its business meetings once a month with the next meeting falling on Thursday, February 1. The various sections of the league have their appointed class meetings throughout the month.

Robert Lemm, employee of the reclamation division, ext. 2-4143, will be in charge of the gem cutting group. Lapidary work has been Bob's hobby for a number of years. Prior to coming to Albuquerque, he lived in Glendale, Calif., where he assisted in organizing a lapidary society and was its second president.

The photography group is led by Mrs. Virginia Wessell, Alb. 5-6901. This group is busily engaged in a photographic contest with prizes being awarded by Kurt's Camera Coral for the winning monthly picture. The classes are held each Monday at 7:30 p. m.

Caroline Gilbert, ext. 2-1282, is in charge of the ceramic class which at present meets in the old base theater each Thursday at 7:30 p. m.

Textile painting is under the direction of Dorothy Brunnsold, Alb. 5-7050 and classes are held on Mondays from 8 to 10 p. m. in the different homes of the group members.

There will be a new class in leather work under the supervision of Mrs. C. J. Waugh, ext. 2-4269 and classes in jewelry making will be announced at the next business meeting.

Those persons interested in joining any of the art league classes are invited to contact the person in charge of the particular group for information.

Talented Teen Troopers Have 22 Participants

Hollywood and New York may have their abundance of talent but Sandia teen-agers are running a close race.

The Teen Troopers, organized in September after one of the Coronado club parties for teen-agers, boasts of 22 participants, ranging from instrumentalists and impersonators to a hypnotist.

The troopers have performed at the Coronado club, the base hospital and the ANAF club and have a pending engagement at the veterans hospital.

There are 22 boys and girls in the group with a chorus of 10. The chorus girls are Patricia Bailey, Sue Domeier, Evelyn Northrup, Janis North, Hazel Reed, Phyllis Holder, Barbara Pogue, Aletta Thompson, Betty Lesler and Judy Heindel. Patricia is also a tap dancer and Evelyn does the hula. Evelyn and Betty sing a duet and Aletta Thompson is one of the pianists.

Other performers are: Carol Kromer and Nancy Nail, a dance team in pantomime; Judy Marshal and Mary Lou Marshal, sister team on the saxophone and the clarinet; Top Paxton, castanet dancer; Ronny Smith, piano accompanist as well as a trumpet player; Stanley Pagenkoph, trumpet player; Jimmy Bill and Gordon Fortman, pianists; Tommy Roy, impersonator of Al Jolson; Bobby Roy, hypnotism skit and Eddy Duck is the master of ceremonies.

Motor Pool personnel on vacation are Richards who is in Texas; Moculesski, Arizona; Peters, Oklahoma and Clay, California.

Mr. and Mrs. Dale Sesler, security guard section, are due congratulations on their new daughter, Kathleen, born December 15.

For security in your future, buy United States War Bonds.



Sandia Base Women's Club Officers for 1951 are (front row, left to right) Mrs. R. M. Montague, honorary president; Mrs. D. H. Guinn, vice president; Mrs. R. H. Schuler, member ex-officio; Mrs. K. W. Erickson, member-at-large;

(second row) Mrs. J. W. Burfening, treasurer; Mrs. C. R. Anderson, recording secretary; Mrs. S. G. Porterfield, president and Mrs. W. F. Dietrich, corresponding secretary.



Looking to the future, Renee Silva, 2461, hastened to fill out a Payroll Savings Plan card this week. Renee is to become the bride of John Foster, 2461, in the near future, but she plans to continue working, and will put a part of each paycheck into bonds for a future down payment on that vine covered cottage. At left is Charles Harp, 3111, who will be receiving the payroll deduction cards in the cashier's office.

Base Radio Operators Assist in Emergency Communications Setup

Sandia Base Radio club, which will celebrate its fourth anniversary next month, having chartered in February of 1947, has as its membership 150 Sandia Base radio amateurs.

The organization was founded to promote and extend interest in amateur radio activities which include an extensive emergency communications network. With the aid of the Albuquerque Radio club, this network activity is the present Civilian Defense Communications Circuit for Albuquerque.

Affiliated with the Sandia Club is the MARS station, directed by Major Joseph A. Patalive. The Military Amateur Radio system is organized to provide a complete radio network throughout the continental limits of the United States that can be made readily available, in the event of a national emergency, to military commanders and Red Cross representatives.

The MARS radio station of Sandia Base is only a small link in this communications network. The station will be operating in both Army and Air Force communication nets. The station will handle primarily official and semi-official traffic but it is planned to operate on pre-arranged schedules for handling personal traffic.

The MARS station is not quite completed for operations; however, announcement will be made when it is operating, at which time visitors are cordially invited to

NOTICE

All stockholders of the Sandia Laboratory Federal Credit Union are requested to attend the annual stockholders meeting on Wednesday, January 31, 1951, 12:30 p. m. to 1 p. m. at the old base theater across from the fire station.

Purpose of the meeting is to elect officers for the coming year. Be sure to be there.

inspect the station.

A recent move to larger quarters has necessitated temporary close down of the club station W5MPZ; it is hoped that the station will be "on the air" soon for member operation.

The present club officers are Carl T. Carlberg, W5IH, president; E. Earle Fletcher, W5WRS, vice president; Einar H. Morterud, W5FPB, secretary; and Lt. L. W. Rook, W5QPK, treasurer.

The executive committee of the club consists of the officers, the immediate past president, Edward G. Miller, Jr., W5MSG and technical committee chairman, A. David Middleton, W5CA.

Other committee chairmen include: Loren C. Watkins, Jr., W5JXO; Bernard Cassidy, W5PTF; Walter B. Howerton, W5LGZ; William R. Dickson, W5LFT; Leslie O. Wright, W5GIL; Robert Scussel, W5WGW; W. Arnold Finchum, W5FVO; Major Joseph A. Patalive, W5NXX and Raymond E. Arvidson, W5RAU.

The club holds bi-monthly meetings in bldg. T-322, second and fourth Monday evenings at 8 p. m. Sandia Base amateurs and radio enthusiasts are welcome to attend.

New Books

- At Sandia Corporation Library
"Books must follow sciences, and not sciences books."
—Bacon-Proposition touching Amendment of Laws
Each issue in this space will appear a selected list of recent acquisitions to the Sandia Corporation Library.
- American Radio Relay League, The Radio Amateur's Handbook, ARRL, West Hartford, Conn., 1950
"ARRL follows its long-established policy of presenting the soundest and best aspects of current amateur practice rather than the new and novel."
- Attwood, Stephen S.
Electric and Magnetic Fields
John Wiley and Sons, Inc., 1949.
"This book employing only simple mathematics, serves as a background for electronics, advanced field study, and theory of machine design."
- Bell, H. S.
Oil Shales and Shale Oil
D. Van Nostrand Co., Inc., 1948.
"The purpose of this book is to present the existing information on the methods and economies of producing oil from shale."
- Bond, Fred
Kodachrome and Ektachrome From All Angles
Camera Craft Publishing Co., San Francisco, California, 1949.
"Applicable to all the common problems of all color enthusiasts. 35mm., Bantam, movie

- and cut sheet Kodachrome. Roll and cut sheet Ektachrome."
- Brodbeck, Emil E.
Handbook of Basic Motion-picture Technique
McGraw-Hill Book Co., Inc., 1950.
"This handbook is the key to good movie making for both amateur and professional."
- Buckingham, Earle
Analytical Mechanics of Gears
McGraw-Hill Book Co., Inc., 1949.
"The purpose of this book is to give in a single place as complete an outline as possible of all the fundamental relationships that form the foundation of the design of all types of gears. A source book that should lead to the development of effective design of gears for any purpose."
- Engineering Research Associates, Inc.,
High-Speed Computing Devices
McGraw-Hill Book Co., 1950.
"The reader becomes acquainted with the various mathematical methods and the physical mechanisms which have been developed for use in automatic computation."
- Driving a car is a privilege, not a right, traffic officials point out. Careless drivers can be deprived of their privileges in the interest of protecting the rights of others.
- Congratulations to Mr. and Mrs. Flaxbart, Motor Pool, on the arrival of a baby boy, January 10.



Sandia Radio Club officers and directors are (first row, left to right) Einar H. Morterud, W5FPB, secretary; Major Joseph A. Patalive, W5NXX, director of MARS radio service on the base — MARS is a network of military amateur operators; (second row) A. David Middleton, W5CA, chairman of the technical committee and is national director of the West Gulf division of the American Radio Relay League; Carl T. Carlberg, W5IH, president of the Sandia club; (last row) E. Earle Fletcher, W5WRS, vice-president; Robert J. Scussel, W5WGW, chairman of publicity and also editor of Radio Sandia, the club's publication. Lt. L. W. Rook, W5QPK, club treasurer, and Edward G. Miller, Jr., W5NSG, director and immediate past president were not present for this photo.



BOWLING HIGHLIGHTS

Jim McGovern's huge 277 game in the Wednesday night Jungle League. The Irishman had ten straight strikes in piling up the highest game ever rolled on the Coronado club alleys. Jim works in department 2300, purchasing, and bowls with the league Lions. Charlie Campbell's 587 triple and 232 single in leading his team, the Rabbits, to a record smashing 2615 series. Both of Charlie's triple and single were good for second place in the seasons record scores.

Indian League

TEAM STANDING

Team	Won	Lost
1. Mohawks	36	16
2. Zuni	34	18
3. Crees	34	18
4. Potawatomi	33	19
5. Navajo	24	28
6. Apaches	20	32
7. Hopi	17	35
8. Comanches	11	41

Individual and Team
 High team, three games, Crees, 2519.
 Second high team, three games, Mohawks, 2460.
 High team, one game, Mohawk, 938.
 Second high team, one game, Crees, 880.
 High Individual, three games, Cully, 604.
 Second high individual, three games, Duffield, 595.
 High individual, one game, Cully, 275.
 Second high individual, one game, Duggin, 229.

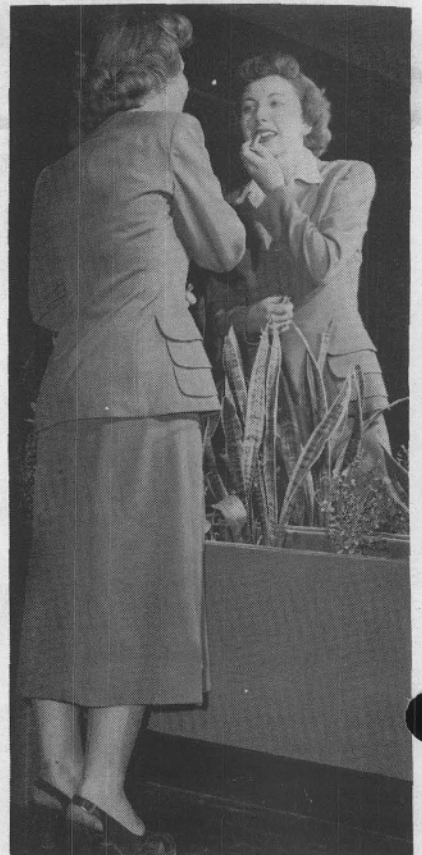
Top 10 Averages
 Rowe, 175; Duffield, 174; Mills, 170; Whitney, 168; Gasta, 163; Hassebroek, 163; Nogie, 162; Gray, 161; Horne, 160; Schaap, 160; Northrup, 160; Hepplewhite, 159; Leonard, 159; Showers, 159; Baumgartner, 159; Parsons, 159; Redburn, 158; Ortiz, 158.

Corporation Basketball Loop in Triple Tie

Three teams are tied for the lead at the end of first round play in the Corporation Basketball League. Plant Security, 2450, earned the right to compete in a play-off for the Championship by belting the boys from Quality Assurance, 1500, to the tune of 52-20. Brandenburg and Hinson led the Security cagers in their lopsided victory by scoring 23 and 18 points, respectively. Maupin starred for 1500 with 10 points, while Sowell and Silva had 4 each. Participating with Plant Security in the playoff will be engineering, 1200, and Mail and Records, Motor Pool, 2460, 2417.

Square Dancing Party Scheduled for Tonight

Tonight the Coronado Square Dancers form their squares again for another enjoyable evening of square dancing. On hand will be amiable Doc Rehbeck and his wife Betty, who will see to it that everyone joins in the fun. Let's all don our western togs and be on hand at 8:30 at the Coronado Club tonight to start off the evening with an old favorite waltz — "Laces and Graces."



Norma Safely is adding that extra touch before going back to her job as secretary to Adam Habler, Coronado club manager. Norma has been at the club since it opened and has been in Albuquerque for five years.

Save for your independence — join payroll savings NOW.

One of every three persons in the U. S. is 45 years old or older. Chevrolet's famous trade-mark was inspired by the design in a piece of hotel wallpaper.

CLASSIFIED

Classified advertisements to be published in THE BULLETIN must be received in writing in the BULLETIN office at least one week prior to publication date. Classified advertisements cannot be taken over the telephone. Include your name and your Base extension number.

For Sale

THREE SPEED Record Changer, \$23. Almost new. Retail at \$47.50. N. F. Sinnott, ext. 2-6148.
 TWO maple youth beds with mattresses, \$18 each. Call ext. 4220 or see at 727 N. Morningside.
 RADIO - PHONOGRAPH combination, \$35; small radio \$10; large gas range. All in good condition. E. D. Heath, 605 S. Arizona, ext. 2147 or Alb. 5-1666, ext. 23.
 PORTABLE BAR with brass rail, all metal (mahogany finish), casters, and "Lazy Susan" door, \$18; rugged high-chair; rug 7x8, with pad; cellaret. All reasonably priced. Call C. E. Runyan, ext. 2-2221, during noon hour.

CUSTOM BUILT trailer hitch for 1949 Ford, made by Heaston and attaches to bumper and frame. Will handle anything a Ford can pull, \$19; two 6.70x15 tires, like new — no cuts, bruises or uneven wear, both for \$27; spare fan belts, new fuel pump, locking gas cap for 1949 Ford; 6.70x15 lug grip chains, all for \$10. Whole works for \$45. O. Milton, ext. 2-5101.

1942 CHEVROLET club coupe in good condition, new tires, heater, \$495. Will accept trade in and will finance. Call C. M. Dixon, ext. 2-4240.

NEW 1950 PONTIAC, 6 cylinder tudor sedan, 2200 miles, fully equipped, cost \$2795 — will sell for \$2350. Phone Don White, ext. 2-5238 or Alb. 5-2065.

MAYTAG deluxe washing machine, wringer type with pump. Like new. Call Mrs. R. E. Roy, ext. 2-2176 or see at 3083 38th Place.

UNIVERSAL ironer, used only twice. Very reasonable. Rosalie Gallegos, ext. 2-6137.

36 PLYMOUTH Panel, good transportation. Also ideal for hunting, fishing or camping. Contact S. DeHaan, ext. 2-5137.

For Trade

22 CALIBER target rifle for good telescopic rifle sight. Call L. Ladd, ext. 2-1241.

Special Notice

WILL CARE for children in home on the base between 0700 and 1700. Lunch furnished. Large fenced in yard. \$1.50 per day per child. Call Mrs. John Kirby, 3089 38th Place, ext. 6182.

Riders Wanted

1008 LA VEGA RD. — Bridge St. to Gibson. Two riders. Call Rosalie Gallegos, 2-6137 or 2-3142.

Rides Wanted

2804 N. JACKSON, Bel Air, R. B. Wilds, ext. 3152.

1200 BLOCK E. LEAD Ave. to west lab daily and Saturdays. Margaret Matlack, 1206 E. Lead Ave., ext. 4 or Alb. 3-0835.

5408 EAST MARY Ave. or vicinity. Mildred Crouch, ext. 5222 or 5147.

ISLETA HIGHWAY and Barcelona Road, hours 8 to 5. W. R. Luxford, ext. 6237 or Alb. 3-9019.

TO CHICAGO last of January. Write or call Mrs. Moore at 1851 Calle Los Vecinos or call S. DeHaan, ext. 2-5137.

MORE ABOUT

Bonds

(Continued from Page 1)
 your pay will be set aside by the cashier and converted into bonds as sufficient money accrues.

C. The bonds will be mailed to you at your home address.

There is no security available to investors, large or small, that is as safe as U. S. Savings Bonds. They are actually safer than cash. Dollars can be lost or stolen, and the loser has little chance of recovering them; but U. S. Savings Bond owners may obtain replacement bonds in accordance with regulations, in case of loss or theft of their bonds.

NOW, LET'S ALL BUY BONDS!

Insect League

TEAM STANDING

Team	Won	Lost
1. Scorpions	43	17
2. Centipedes	38	22
3. Fireflies	32	28
4. Black Widows	31	29
5. Roaches	32	28
6. Lady Bugs	29	31
7. Beetles	20	40
8. Hornets	15	45

Individual and Team
 High team, three games, Fireflies, 2066.
 Second high team, three games, Centipedes, 2059.
 High team, one game, Fireflies, 743.
 Second high team, one game, Centipedes, 728.
 High individual, three games, P. Fink, 514.
 Second high individual, three games, V. Schultz, 488.
 Second high individual, one game, J. Partch, 199.

Top 10 Averages
 P. Fink, 146; V. Schultz, 141; S. Brown, 139; J. Partch, 137; E. Fauerbach, 137; J. Drake, 136; G. Hahn, 134; B. Walters, 133; M. Dixon, 132; H. Brewster, 132; V. Parsons, 126; E. Buchanan, 123.

Jungle League

TEAM STANDING

Team	Won	Lost
1. Lions	40	20
2. Bears	38	22
3. Wildcats	36	24
4. Mustangs	36	24
5. Rabbits	32	18
6. Panthers	28	32
7. Gophers	18	42
8. Lobos	15	45

Team and Individual
 High team, three games, Rabbits, 2615.
 Second high team, three games, Wildcats, 2479.
 High team, one game, Lions, 957.
 Second high team, one game, Lobos, 894.
 High individual, three games, Kernolle, 593.
 Second high individual, three games, Dadian, 583.
 High individual, one game, McGovern, 277.
 Second high individual, one game, Campbell, 232.

Top 10 Averages
 Collins, 187; Mills, 174; Dadian, 172; Cook, 169; Campbell, 165; Dierks, 164; Franz, 163; Eiffert, 163; Stradford, 162; Dietrich, 161; Grote, 161; Peterson, 161; Favin, 159; Brown, J., 159.

SANDIA BULLETIN

Vol. 3, No. 11

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

MAY 25, 1951

Choristers Slate Monday Concert

Light classics and semi-popular favorites will be presented by the Sandia Choristers in their second annual spring concert Monday evening, May 28, at 8:30 in the new Sandia Base theater.

The program will be interspersed with vocal and instrumental solos including J. J. "Mike" Michnovicz, 2462, accordionist; Mrs. J. P. Scroggs, pianist; J. D. Fullerton, 2331, first tenor, Pfc. E. Doran, 8460th AAU, second tenor, R. E. Winter, 4120, baritone, and M/Sgt. R. L. Keech, 8452nd AAU, bass, in a novelty barbershop quartette, and Mary Frances Galbreath, soprano. Mrs. Galbreath has been heard on national radio presentations such as the Air Force Symphony program and seen on a recent Armed Forces TV show.

All proceeds derived from the concert will be donated to the American Cancer Society. Tickets are 50 cents each and may be purchased from any Chorister or from the office staffs of various Sandia Base clubs — Coronado Club, Officers' Club, NCO Club, and ANAF Club.

The 35-voice group is under the direction of Craig Summers and accompanist is Louise Scroggs. The amateur singers represent every branch of Sandia Base activity.

Live Music Twice A Month for Sandia Square Dance Club

All Coronado Club square dancers will be glad to know that the Duke City Cowboys will be a regular feature at the square dances on the first and third Fridays of each month. The next dance will be June 1. A large number of dancers have indicated that they will attend the third of a series of lessons Tuesday, June 12, at 8 p.m. at the Coronado Club. New square dancers are urged to attend regularly so as to benefit from the entire course.

The Central District dance of the New Mexico Square Dance Association at the Ice Arena, May 12, was attended by a large group from the Coronado Club.

All Coronado Club members are invited to join in the fun enjoyed by this group. In the future there will be a charge of \$1 per couple for guests. Plans are being made to serve refreshments at each dance.

A Word of Warning

It has been brought to the attention of Sandia Corporation officials that there have been violations of security by employees of the Corporation and members of their families. Classified information concerning tests and other Corporation operations has been passed by "Q" cleared employees to members of their families and has been further disseminated by them.

The serious consequences these careless disclosures might have on the Atomic Energy Program cannot be over-emphasized.

The Espionage Act and Internal Security Act provide penalties for disclosing this type of information ranging from 10 years in prison and a \$10,000 fine to 30 years in prison or punishment by death.

Today the international situation is too grave, the threat to our freedom too serious to permit any careless talk or idle gossip concerning United States' atomic defenses. The fate of our nation and the safety of our loved ones is at stake when classified information is disclosed to unauthorized persons.

Watch what you say. Your country may suffer and penalties for carelessness are grave.

Birthday Cake For Coronado Club First Anniversary Party

Corsages will be presented to the ladies at the Coronado Club anniversary party on Saturday, June 2, according to Goldie Tibbs of the Entertainment committee.

The informal dance will feature four drawings of members' names for mystery prizes. Helium-filled balloons will decorate the ballroom and a huge birthday cake with one candle is being baked to celebrate the occasion.

Reservations must be made in advance, according to Miss Tibbs. Tables are limited so it will be first come, first served. The Coronado Club Office, ext. 24145, will handle reservations.

The dance will be free to members and guests will be charged 50 cents. A band will play from 9 to 1.

NOTICE

Coronado Club Annual Meeting

The annual meeting of the active members of the Coronado Club of Sandia Base, Inc., will be held at the Club June 11, 1951, at 4:40 p.m. for the following purposes:

To elect officers and directors for the ensuing year and to transact such other business as may properly come before the meeting.

C. H. DeSelm Heads Engineering Society

C. H. DeSelm, 1280, was elected chairman of the Albuquerque chapter of the American Society of Mechanical Engineers at a meeting held May 16.

Other officers named were Charles R. Barnard, 1210, vice-chairman; Edward Rightly, UNM, secretary-treasurer, and Lee Tolliver, 1253, director for a two year term. R. W. Henderson, 1200, is entering his second year as a director of the society.

Don Bliss, 2110, was chosen to work on formation of an Albuquerque Engineers' Council. The Council will attempt to unite various societies on plans for programs and activities.

Discussion at the meeting centered around proposals for unifying the engineering profession.

Dr. Hirsch Attends Industrial Medicine Conferences in East

Dr. Frederic G. Hirsch, 3160, Sandia Corporation's medical director,

returned recently from a two week round of conferences in New York, Atlantic City and Cleveland where he gathered a store of new information on subjects ranging from psychosomatic treatment to vascular diseases.

He also learned more practical methods of determining the potential strength of a person's back. This information will soon be incorporated in a program aimed at placing applicant's for employment who suffer from weak backs, according to Dr. Hirsch.

The doctor talked to the Vascular Disease Research Laboratory personnel of the Cornell Medical College in New York, of which he is a consultant biophysicist. He gave an explanation of progress toward developing an electric blood-counting apparatus.

Other conferences and meetings attended during the two-week trip included a two-day meeting in New York of medical directors from Western Electric Company plants, a convention in Atlantic City on industrial hygiene, a meeting of the American Psychosomatic Society, and a conference of the American Physiological Society at the American Federation of Societies for Biological convention in Cleveland.

Employees' Health Is Chief Concern Of Visiting Nurse

A visiting nurse service is now in operation at Sandia Corporation for the benefit of employees who are unable to work because of illness or job incurred injuries. The primary objective of this service, according to Dr. F. G. Hirsch, medical director, is to promote and maintain the mental and physical welfare of employees. Proper home care speeds the recovery of employees and may prevent prolonged disability.

Mildred D. Whitten, R.N., is Sandia Laboratory's first visiting nurse. Mildred was formerly the nurse at the Salton Sea Base and has had a number of years service in industrial nursing work. She has worked in the nursing field for War Assets Administration, Ordnance Service Command Shop, Army Industrial Medicine Headquarters and Quartermaster Market Center, all of Los Angeles, Calif. She received her training at Fresno General Hospital, Fresno, Calif. Her headquarters, between home calls, is the First Aid Station in Bldg. 892.

Provision of a nursing service is an extremely important function of an industrial medical department. Many corporations such as Sandia have found that the medical service reduces accidents and illness, decreases labor turnover, improves general good health and efficiency of plant personnel, provides effective work as a result of good health, and improves employees' morale and good will. The visiting nurse has an important role in this program.

The services rendered by visiting nurses have contributed materially to the development of sound, economic industrial health and safety programs throughout the country. Sandia's program is young, but is off to a good start.

West Lab Plans Terrace Party

Steaks and dancing will be the highlights of the West Lab Personnel terrace party to be held next Tuesday night, May 29, at the Coronado Club.

Jukebox music will be used for dancing.

All West Lab personnel and their families are urged to attend. The charge will be \$5 per couple.



VISITING NURSE MILDRED D. WHITTEN makes one of her visits to a Sandia Corporation employee sick at home.

School's Out June 2

If you're near the Sandia Base school around 9:30 in the morning on June 2—dodge. That screaming avalanche issuing from all portals will be 443 children in a paroxysm of joy because school, at last, is out for the summer.

Pupils are required to attend even though it will be a Saturday because state law requires 180 days in a school year and a day was lost in February during the gas shortage, explains Mrs. Barbara Stratton, assistant principal.

All the children will have to do, however, is report to school and pick up their report cards. School will open at 9 a. m. and close about 9:30 or 10 a. m. that final day.

The new term will begin Monday, September 4, Mrs. Stratton stated. School authorities expect 125 more students next fall, she said, and four more teachers will be required to maintain an adequate staff.

The 16 pupils in the eighth grade this semester will start in the ninth grade at Highland High School next fall.



LOST AND FOUND ITEMS are being inventoried by Jacqueline "Jackie" Downing, 3122. Her list includes gloves for the left hand, the right hand and a couple of pairs, a rosary, a screwdriver, glasses, a book of poems, a pen, a gas tank cap, a baby bonnet, a scarf, and keys galore. If you see any of your lost possessions, you may claim them from Jackie in Employee Services office, Bldg. T-301. The straw hat has already been called for.



Dr. F. G. Hirsch



CHILDREN OF CORPORATION employees came out with top honors in the Gamma Chapter of Beta Sigma Phi baby contest held recently in Albuquerque. Richard Gene Scott, left, was grand prize winner and is proudly displaying his gold cup. Barbara Louise Kingsley, right, took second place in the beauty division. The competition was open to babies between the ages of six months and three and one-half years. Bill Scott, father of Richard, works in 4215; Jeanne, the mother, formerly was in 3150. Bill Kingsley, Barbara Louise's father, is employed in 3123.



Friday, May 25, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253

Cloak and Dagger Agents Are Passe

Have you seen any spies lately? Have you seen anyone slinking around the tech area wearing a cape and a black hat with the rim turned down?

No, obviously not. That comic book routine was abandoned long ago by the undercover chaps who make it their business to find out your business. And because espionage and sabotage and all forms of subversive activities are such a refined subtle art you may be lulled into the complacent belief that we here at Sandia are immune to the treachery of information agents.

Take a look at the newspapers and see if you can justify that complacency in the light of what has been discovered about the way those agents operated who peddled top secret information to foreign governments.

"He seemed like a nice quiet sort. . . ." Famous last words! You were expecting maybe a hammer and sickle tattooed on his forehead?

Now don't start looking sidewise at your fellow workers, but remember this: You and every other employee here are entitled to know only as much classified information as is required for you to do your job properly. Don't go shooting off your mouth to others—even though they are "Q-Cleared"—if they don't need the information in their job. And tactfully silence the person who volunteers such information to you.

Be security conscious. Be alert and vigilant in your daily work and avoid "talking shop" with anyone outside the area. The walls have ears.

Most of all cooperate completely with the guard force of the Plant Security Department in observing established rules and regulations on security matters. Do what you can to make the guards' job easier, and security will become a conscious procedure rather than a half-hearted habitual routine.

Coronado Club Schedule

(Clip this program for a handy reference)

Friday, June 1—Square dance.* Music by Duke City Cowboys.

Saturday, June 2—Anniversary party, 9-1, Max Apodaca.* (Make reservations May 28-June 1.)

Tuesday, June 5—Square dance instruction.*

Wednesday, June 6—Bingo.

Thursday, June 7—Bride party, 25 cents per person.

Saturday, June 9—Informal dance (dining room closed)*

Sunday, June 10—(Dining room closed.)

Tuesday, June 12—Arthur Murray dancing instructions, 8:30-10:30.*

Thursday, June 14—Canasta party, 25 cents per person.

Friday, June 15—Square dance. Music by Duke City Cowboys.*

Saturday, June 16—Monte Carlo Night, \$1.50.*

Sunday, June 17—Buffet dinner dance, \$1.75.*

Tuesday, June 19—Square dance instruction.*

Wednesday, June 20—Bingo.

Thursday, June 21—Bride party, 25 cents per person.

Saturday, June 23—Summer informal dance, 9-1, Joe Cata orchestra.*

Tuesday, June 26—Arthur Murray dancing instructions, 8:30-10:30.*

Saturday, June 30—Semi-formal dinner dance, Bob Van Driel orchestra, 9-1, \$2 per person.*

*A charge of 50 cents for each guest will be made at these functions. This charge is in addition to any charge made for members.

Toastmistress Club To Elect Officers

Explanation on how to present a book review was given to the members of the Sandia Base Turquoise Toastmistress Club by Mrs. Marshall Farris at their dinner-meeting held May 23 in the Officers' Club. Mrs. Farris presented a book review in demonstration.

Toastmistress for the meeting was Mrs. Henry Goldberg and topic-mistress was Mrs. C. L. Lindquist. The slate for the election of officers in June was also presented.

Marriages Engagements

Mr. and Mrs. Martin Gustafson have announced the engagement of Mrs. Gustafson's daughter, Nancy Lou Sears to Richard N. Johnson, Jr. Mr. Gustafson is employed in



Anna Seward Nancy Sears

1511, Mrs. Gustafson in 4134, and Nancy is in 4222. Her fiance is a student at the University of New Mexico, where Nancy was formerly a student. The couple will be married June 2 at the Sandia Base chapel.

Emma Louise Quintana became the bride of David Ramon Gomez, 2452, at a nuptial mass in St. Charles Catholic church May 5. Mrs. Gomez is a nurse at St. Joseph's hospital.

Anna Louise Erwin was married May 11 to Cpl. James E. Seward in a ceremony at the home of the bride's parents. Mrs. Seward is a graduate of Albuquerque high school, and Cpl. Seward attended schools in Carlsbad. He is now enroute to Kelly Field, Tex., for a new assignment with the Air Force.

The engagement of Walter Dzugan, 3152-1, to Marion Martell of Albuquerque was announced on May 6. No definite date has been set for the wedding.

All-Magic Show Planned by Club

An all-magic public show to be held next fall will be discussed at a meeting of the Magician's Club June 1. Leland Sangster, 1134, president of the group, announced that the meeting will be held at his home, 3174 41st Place, Sandia Base, at 8 p.m.

Among those who will attend are Art Perry, 2462-1, the past president; Charles Dodson, 2242, and Al Spengeman, 4134, secretary.

Personnel of 3120 will miss the smiling face of Lloyd Fuller. Lloyd is now cleared and will be working in 3231. Lloyd, his wife and their son, came to Albuquerque from San Bernardino, Calif.

Erma Shumate, 4134, and her husband spent the first few weeks of May in Toledo, Ohio, where they visited their families.

4134 extends a welcome to Harold Brint. Harold comes from Passaic, N. J.

William Rinehart, 2464-2, is on his vacation. Bill is doing a little work on his home and also is getting acquainted with his two-month-old son.

2464-1 welcomes a new editor, Jeanne Shinn. Jeanne formerly was assistant executive secretary for the Greater New York Council for Foreign Students with offices at the International House. She holds B.A. and M.A. degrees, both of which she received at the University of New Mexico.

Edgar and Jackie Downing are telling some tall fish stories about their one-week fishing expedition at Conchas Dam. They aren't arguing over who caught the biggest fish, instead Jackie is insisting the one that got away from her is bigger than the one that got away from Edgar. Edgar is in 2131 and Jackie works in 3122.

2461-3 personnel welcome Frances Winter back on the job after a month's illness.

Pat McBride is leaving 2461-3 and her co-workers are sorry to see her go. Pat is returning to Minden, Neb., to live with her family.

Two mothers in 2461-3 are going to miss their sons for a couple of weeks this summer. Kay Rivard's son David has gone to California and Iva Atkins' son Dennis has gone to West Virginia and Georgia. Both are visiting their grandparents.

Irene Heck, 2461-3, is enjoying a visit with her parents and her brother and his family who are in Albuquerque to spend their vacation.

Jack Hansen, Frank Longyear, and Sam Johnson, 2200, are all agreed that Robert Findlay, also of 2200, is the winner of their long-standing fishing bet which was rescheduled for two weeks ago at Conchas Dam. Bob caught the most fish, the first fish, and the largest fish. They say that Bob attributes his piscatorial success to three primary factors: (1) his quiet, shy and unassuming manner, (2) application of suntan lotion to his minnows, and (3) his inherent Scotch ancestry which prohibits him from losing a bet.

Clark Read, division manager of 2234, took a week's vacation last week. He said he had a lot of work to do for the Mrs.

3152 will bid farewell to Jane Heinsch on May 31. Jane and her husband, Rupert, 3124-1, will leave for California the first of June and her co-workers wish her all the luck in the world.

New employees in 3150 are June Gronseth, Evelyn LaHaye, and Noreen Harrington. Both June and Evelyn are from Albuquerque and Noreen hails from Pittsburgh, Pa. The department welcomes them.

The object reported flying east through Tijeras Canyon on highway 66 proved to be Walt Rosenburg, 2212, who finally got away on a belated vacation.

Rosemary Trinkle, 2212, journeyed to Mountainair last week to attend the funeral of her husband's grandmother.

Ethel and Buddy Abeyta, 2231, spent May 13 weekend at Tucumcari. Buddy's mother had all eight of her children and their families there to celebrate Mother's Day.

W. F. Dietrich, 2300, is taking quite a ribbing in the office over his new car. It seems he has been having considerable trouble with the car and he can't decide whether to hire his own mechanic or change to a horse and buggy.

C. M. "Doc" Abernathy, 2331, enjoyed a pleasant vacation early in May. He didn't go anywhere—not even fishing, but just relaxed at home.

Beth Krajovic, 2310, who spent one day in the hospital recently for a basal metabolism test, never realized a day could be so long. All she thought about during her fast-ing period was a T-bone steak.

Lee Davies, 1281, passed cigars last week and proudly announced the arrival of a son—the third so far.

Chuck Harris, 1282, who recently joined the Sandia Base Cardinals softball team is making the rounds of his friends to get them out as rooters for his team.

James F. Richards and Max Jinzo, 2417-2, have been ill for several weeks. Their friends hope they recuperate soon.

Bob and Mae Fegan, AEC, spent two weeks this month in their home state, Indiana.

Juanita McDonald and Corine Dickens, AEC, have both been ill for several weeks. Their co-workers miss them very much.

Esther Leach, AEC, has gone to her home in Denver for her vacation.

Erma Fauerbach, AEC, left last week for Meridian, Kans., for her vacation. That's Erma's home town.

AEC welcomes Douglas R. King and Ricardo Martinez as new employees. Ricardo took Arthur Pino's place when Arthur was recalled by the National Guard.

Alice Underwood, 2471, and her husband are leaving on a two-week vacation. They plan to stop off at the Grand Canyon, Boulder Dam, and San Diego, Calif., on their way up to Portland, Ore.

A welcome in 2471 is extended to Larry Karpen, Jerry Hahn, and Michael Montoya who were transferred from 2416.

Baked beans, wieners, meat loaf and all the trimmings were enjoyed by Department 1290 at their departmental picnic held May 6 at Doc Long's picnic grounds. Scouts from major leagues are expected any day to contact some of the talent revealed in the after-dinner baseball game.

Department 1290 is glad to see Mrs. G. S. Weil back on the job. She has been ill for about a month.

Mrs. Viola Gorey, 1281, is leaving and her co-workers say she will certainly be missed. Viola is awaiting a visit from the stork.

T. L. Allen, 1130 at West Lab, is the proud father of a boy born recently.

West Lab welcomes Ralph Olson to 4211.

Lucille Montoya, 2461-3, spent last weekend showing her brother and his wife the sights of Juarez. They came here to visit from Alameda, Calif.

Bernie Baldwin, 1282, went to her home in Artesia, N. M., last week to have a medical checkup by the family physician.

Jo Tinsley, AEC, spent last week in New York City where she attended the Atomic Energy Commission Records conference.

During a recent vacation, Ruth Foust, AEC, entertained her family, here from Seattle, Wash.

1600 has two new proud fathers. Warren Roberts' son Russell A. was born May 14, weighing 7 lbs., and Robert Matthews' son Richard John weighed 7 lbs., 7 oz., and was born May 8. Warren is in 1622 and Bob is in 1611.

John Piper, 4213, and family are leaving Monday for a vacation trip to California.

Department 3160 welcomes Pauline Campbell as their new messenger. Pauline is from Seattle, Wash., and has been in Albuquerque for several weeks.

Vacationers in 2461-2 are Juanita Bridge and Marjorie Collins. Juanita and family went to Houston, Tex., and Marjorie went to Oklahoma City.

2461-2 extends a welcome to Nina Springer, an Albuquerque girl, and says goodbye to Rita Retzer, who has gone to New Jersey to make her home. The section had a farewell party for Rita at the home of Hazel Ault May 18.

Nancy Martinez and Josephine Owens spent the last two weeks in Los Angeles, Calif., visiting relatives. Nancy is in 2461-3 and Josephine is in 4222.

Employees of 3152 are sorry to report that Anne McAfee has been a patient at the Base Hospital.

Vacationers in 3150 include Anna Jane Mayer, 3153, who has recently returned from two weeks at Long Beach and Los Angeles, Calif., and Ray Powell, 3150, who spent a week visiting Zion, Bryce, and Grand Canyon National Parks with his family and folks from Lewiston, N. Y. The opposite of an enjoyable vacation was experienced by Bessie Passmore, 3153, whose purse was stolen on the first day of her vacation. Bessie spent the week at home in Albuquerque.

SYMPATHY

The entire staff of Sandia Corporation extends their sympathy to Mrs. Frances M. McCord on the death of her husband, Irvin McCord. Mr. McCord died in St. Joseph Hospital on May 10. He was 31.

Mr. McCord, who worked in Division 2122, came here two years ago from his former home in Mississippi. He is survived by his widow; a son, John, of Albuquerque; his parents, Mr. and Mrs. Sim McCord of Tennessee; and three sisters and four brothers.

Mrs. McCord expressed her appreciation to Sandia Corporation for the insurance check which was delivered to her the day after her husband's death. Neither Mrs. McCord nor her husband had been aware of the insurance benefits which had been announced only two days before his death.

Sympathy is also extended to Jackson C. Ream, 2312-2, on the death of his wife, Mrs. Nadene Ream, who died at Los Alamos on May 13.

Mrs. Ream was a member of the First Presbyterian Church, American Legion Auxiliary, and the Albuquerque Philatelic Society. The family requested that donations be made to the New Mexico Cancer Society in lieu of sending flowers.

She is survived by her husband and a sister, Mrs. Marcelle M. Hill of Fresno, Calif.

Promotions

C. W. "DICK" DICKINSON, JR., was appointed manager of Department 4220, effective May 1. Dick is married and has two children. He came to Sandia Corporation in 1949 from the Western Electric Company. He has 22 years experience in the field of labor relations and business methods. Mr. and Mrs. Dickinson live on the base. They formerly lived in Chatham, N. J.



F. C. "TED" ALEXANDER was appointed Division supervisor of 4231, effective May 1. Ted is married and has two children. He joined the Sandia staff in 1948 after 12 years experience in aircraft service management. Mr. and Mrs. Alexander live in Albuquerque. They formerly lived in Hempstead, Long Island, N. Y.



C. T. "TED" ANDERSON is the newly appointed supervisor of 3231. Ted is married, with two children. Before moving to New Mexico to work for Sandia Corporation, he lived at Burlington, Ia. Previously, Mr. Anderson worked for eight years with the Western Electric Company in the field of wage administration. Mr. and Mrs. Anderson live on Sandia Base.



W. M. "BILL" ANDERSON has been named division supervisor of the newly formed Division 3232. The new assignment was effective May 1. Bill is married and has a daughter. He came to Sandia Corporation in 1950 from Chicago where he worked for the Western Electric Company as a job evaluator. Mr. and Mr. Anderson have their home in Albuquerque.



R. M. HANSEN, effective May 1, was named supervisor of division 4131. Roy's home town is Cicero, Ill. He worked there for 22 years with the Western Electric Company. He joined the Sandia Corporation staff in 1950. His 22 years with Western were spent in various phases of accounting. Mr. Hansen and his wife live on Sandia Base.



T. A. ALLEN was promoted from electrical technician to supervisor of Section 2231-3, effective May 16. Travis joined Sandia Corporation in 1948 after working for the City of Albuquerque as an electronic technician. Prior to that he served with the Air Force as an aviation physiologist. His home town is Amarillo, Tex. He is married, has two children and lives in Albuquerque.



Statistics show that carelessness, lack of consideration for others, an irresponsible outlook, failure to observe common safety rules and just plain lack of thought lie behind almost every accident. No one can do the safety job for you.

SEEING NEW MEXICO WEEKENDS

The Land of Enchantment offers hundreds of places of interest to visit and for people living in Albuquerque, many of them are only a few miles off. This is the first of a series of articles about one-day or weekend trips to points of interest in this area. Newcomers to New Mexico will find the state a sight-seer's paradise and old timers (those who've been here a year) will discover new thrills in extending their travels to include sights they have missed

The Jemez Country
Magnificent mountains, cool forests, historic ruins, fine hunting, fishing and camping—all are found in the Jemez (pronounced Hay Mus) area only a few miles from Albuquerque. In no other part of New Mexico can such a variety of land and people be seen in so short a distance and within a span of a few hours.

For an ideal one-day motor trip from Albuquerque take Highway 85 north to Bernalillo. On the north edge of Bernalillo turn left on State Road 44 which takes you north along Jemez creek past Santa Ana and Zia pueblos. At San Ysidro, 25 miles northwest of Bernalillo, take the left hand road and continue 29 miles to Cuba, a picturesque town situated on a high mountain plateau.

Picnic Sites Abound

From Cuba the road climbs high into the mountains through Senorito Canyon to the Rio de Las Vacas wide mountain meadows, offering wonderful picnic sites. The road continues to Jemez Canyon above Jemez Springs, down past Jemez and back to San Ysidro. The road can be driven in either direction and although winding, is safe if driven with average caution.

Let's see you've been to Cuba before. What else does the area offer? From Jemez pueblo, the right fork of the road leads off into Paliza Canyon and the choice of trips varied. One road forks right and leads down into Cochiti pueblo on the banks of the Rio Grande and the loop is completed by returning to Albuquerque by way of Pena Blanca to Highway 85. The pueblos of Domingo and San Felipe may be visited on this trip.

Another fork to the right in Paliza Canyon leads to the Valle Grande, with its magnificent vistas and sea of grass. The road forks again at the Valle Grande and the right hand turn winds through mountain passes to the deserted mining town of Bland and through many canyons to Cochiti. From there the return route is the same as the Jemez-Cochiti trip.

See Cliff Dwellings

The left turn at the Valle Grande



SODA DAM IN JEMEZ CANYON is one of New Mexico's wonders of nature and a high spot in sight seeing in the Jemez mountains.

leads to the Bandelier National Monument, Frijoles Canyon, with its picturesque cliff dwellings, to San Ildefonso, the Indian pueblo famous for its black pottery, and on to Santa Fe for a fast route back to Albuquerque on Highway 85.

Sights to be seen on these drives are never-to-be-forgotten. In Jemez canyon is the famous Soda Dam, pictured with this article. It is a barrier built across the entire canyon from soda deposited by springs.

On up the canyon are the sulphur springs and a huge butte of solid granite resembling a battleship.

North and east of Jemez pueblo is a series of canyons containing many ruins of homes of a prehistoric people. In this area archaeological excavations are carried on every summer by the University of New Mexico.

Wild game and fish abound in the Jemez country and deer, bear, turkey and quail are abundant and may be hunted in season. The well-stocked streams are a delight for trout fishermen who take the trouble to go back to the less frequented spots.

Keep safety in mind. An alertness on the job, at home, and on the highway will save injuries and perhaps lives.

Radio Club Members Will Cooperate in Emergency Exercise

Carl T. Carlberg, W5IH, was re-elected president of the Sandia Base Radio Club at a meeting May 14. Dr. Howard W. Merideth, M.D., W5PQA, was named vice-president; Bernard F. Cassidy, W5PTF, secretary; and Thomas F. Pollock, commander USN, W5QIT, was elected treasurer.

Retiring officers are E. Earle Fletcher, W5WRS, vice-president; Einar H. Morterud, W5FPB, secretary; and Luther W. Rook, 1st Lt. USAF, W5QPK, treasurer.

A committee, jointly headed by Bernard Cassidy, W5PTF, and Lt. Edward English, W5QBZ, is laying plans for the annual Field Day on June 23 and 24.

This event, in which radio amateurs all over the nation participate, is an emergency communications exercise. It is held in the open for 24 hours. The amateurs are left without power lines or housing facilities and they must contact as many other amateurs as they can within the 24 hour period.

It is the duty of every loyal American to remain constantly vigilant and alert to protect his country. The price of freedom is eternal vigilance.

Salton Sea Starts Square Dancing

Salton Sea personnel enjoyed their first evening of square dancing recently under the guiding hands of six couples of square dance experts from El Centro, Calif. Participants in the evening of fun dubbed it a "Soda Pop Social" and pronounced it such a success that plans have been made to have a square dance every other week.

The lobby of San Felipe Lodge was the scene of the party and recorded music was used. Among those attending the party were Mr. and Mrs. T. O. Sprink, Mr. and Mrs. Joe Omlin, Mr. and Mrs. Howard Austin, Mr. and Mrs. Arthur Merrill, Mr. and Mrs. John Keller, Mrs. Jesse Severensen, Mrs. Jeanette Young, Don Belmore and Alvie Coughlin.

The "Below C Square Dancers" from El Centro instructed the Salton Sea folks in dancing, demonstrated several dances and then danced with them. Strenuous but great sport, was the verdict.

Additional Salton Sea News

Ruby Fitch has recovered from a recent tonsillectomy and is back at work. Ruby was well cared for during her convalescence by her co-workers in San Felipe Lodge.

Frances H. Voorhies, industrial nurse at Salton Sea Base, recently attended a dinner-meeting of the California State Nurses Association at El Centro.

The pipe-line from the irrigation canal south of Salton Sea Base is under construction. When completed the line will bring in raw water for irrigation on the base. It was not to be suitable for drinking, but will make plants, trees, and grass flourish.

Ted Sprink's dog Boots gave birth to a fine litter of pups a short time ago. Disposition of the family will be easy, he reports, for already several relatives in New Jersey have asked for pups.

Walt Dzugan is a new arrival at Salton Sea from Sandia. He has taken over Don Belmore's duties while Don is back in the Veterans' Hospital in Albuquerque where he is to undergo an operation.

Let's Dance

Remember—tonight's the night. The Coronado Club will jump to the music of Anson Weeks and his famous orchestra. The charge for members will be \$1 per couple. Non-members will pay \$2 per couple. Dancing will be from 9 to 1.



SANDIA CHORISTERS PRACTICE for their spring concert under the direction of Craig Summers and accompanied by Louise Scroggs and Audrey Scroggs. Forst row, L. to R., Mary Foster, Mary Grace Fitchhorn, Ruth Gonder, Mary Burda, Marian Spengeman, Ruth Summers, Katherine Mandelkorn, Dorothy Hook and Norma Montgomery. Second row: Jean Viney, Mary Elizabeth McDonald, Eleanor Tedesco, Gene Gelini, Martha

Bolton, Eleanor Winter, Barbara Pierson, Jeanne Hake, Hazel Vance, and Veda Steadman. Third row: Harry Wallin, Russel Keech, Jack Fullerton, Jerome Durrie, John Scroggs, James Hook, Henry Harding, Edward Doran, Robert Winter, Fred Burdette and Fred Bentz. Members not shown in picture are Margaret Pagenkopt, Charlotte Piper, Charlotte Cole, Harold Miller, Richard Mandelkorn, Robert Sandiford and Laura Sandiford.

"Purchase of a Farm Rather Than an Automobile is The Best Idea I Have Ever Had," Says Ben Armijo

Benjamin Armijo has a green thumb. Plants just seem to thrive under his touch. There's nothing mystic about it. Ben, who works in the Housing Maintenance and Service Division, was brought up amongst growing things. He's spent years working in nurseries, learning planting, pruning, and fertilizing methods until it's second nature with him now.

Eventually Ben hopes to convert his one and a half acre farm in the valley into a nursery where he can devote more time to raising shrubs and evergreens.

Wanted Car

Ben is 31 years old now, with a wife, Emma, and two children, Tennie, 3, and Frances, 9 months. When he was released from service in 1945 after three years in the Army, he was single and the first thing he wanted to do after arriving home in Albuquerque was to buy a car.

"I had some money saved up," he says, "and I was all for buying the brightest new car I could find. But my father took me aside and gave some of the best advice I ever had. He told me about some land beside the irrigation canal and said I could buy it for the same amount I was going to spend on the car. I went right out and put down the cash and I've been grateful to him ever since."

Ground Planted

Water for the little farm is no problem. A canal flows past Ben's property and for about \$8 a year he can use as much water as he wants. This will be important for the nursery he plans to have someday.

When it comes right down to it, Ben Armijo has about everything a man could want. He has a job, some good land, a fine family, a comfortable home, and a goal to keep his sights high.



BENJAMIN ARMIJO, 2421, spades his small farm in the valley as daughter Frances looks on. His other daughter, Tennie, watches from the doorstep in the background. On the right is the addition to his home that Ben is in the process of completing.

Ceramic Art Study Leads Sandian Into Spare-Time Pottery Making

Experimenting with New Mexico's clay is a recently adopted pastime for Stanley P. Hunt, 1124-1, who after a semester in pottery making

potter's art became active in 1949 when he signed up at UNM for Professor Todd's evening class. Since then he has collected samples of glazes, experimented with local clays, constructed his own potter's wheel, purchased a kiln, and molded several vases and pots.

Finds New Clay

In his research he has found a clay on the river bank at Bernalillo which casts without any additional mixtures—dig it up, soak it in water, run it through a screen, and it's ready for moulding.

As for the mixture, Stan says he wants to experiment with materials until he is satisfied he has good working material to get the effect he wants. He might go in for garden pottery, such as bird baths, or he might do some small ceramic sculpturing. He insists the latter does not include fancy figurines or cigarette boxes.

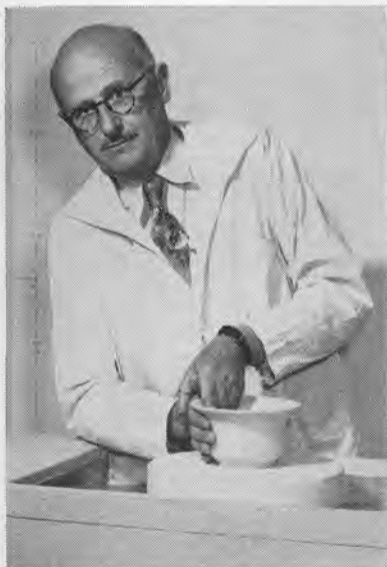
His prime interest so far has been pots, pitchers, and jars which are either hand-built, thrown pots (pots made on wheel) or cast pots.

Worked on Research

Prior to coming to work for Sandia Corporation in December 1948, the ceramist was employed by the Institute of Textile Technology where he did research work for the cotton textile industry. It was Professor Hunt before then. He taught mechanical engineering for 23 years—six years at Kansas State College, Manhattan, Kan., where he received his degree, and 16 years at the University of Wyoming, Laramie, Wyo. During the war, he did radiation research at the Massachusetts Institute of Technology.

Stan and his wife Grace have two children and three grandchildren. Grace is very interested in her husband's pottery work, but Stan claims she just looks on and takes possession of every pot he makes.

There was a time when Stan was a Sunday painter, but he has since put aside his palette and easel. The pottery work isn't a passing fancy though—Stan says he plans to work at it for a long time.



Stanley P. Hunt

at the University of New Mexico, is determined to find the best clays and glazes for his hobby of making pots.

Stan's passive interest in the

Into Service

Other Sandia Corporation employees to enter service during the month of May were Roy L. Darden,



Van Every

Darden

1543, who was called by selective service, and Alvin Van Every, 1212, who was recalled by the Air Force Reserve.

Automobiles, the most popular form of travel, are wonderful things. Yet each weekend there is a sickening report of accidents on the highways. Drive carefully at all times.

Prepare for the future—make use of the retirement plan.



PROUD POSSESSORS of three lost kittens are Wilson Hicks, Audrey Sutton and Solomon Apodaca, all 2234, who saved the waifs from some sort of dire fate. The men found the kittens in a packing box alive, wild and full of fight. After some warm milk and kindness, the little animals were adopted and now have good homes.

Sandia Base Pupils Sing in Concert

Approximately 60 children of Sandia Base school, grades four through six participated in a joint concert with the Albuquerque Grade School Orchestra and the La Mesa school chorus at Jefferson Junior High school May 15.

The concert, under the direction of Mr. John T. Randall, head of the instrumental music department of Albuquerque public schools, consisted of several acapella selections by each of the choruses in addition to numbers accompanied by the grade school orchestra. The Sandia Base group was organized by Mrs. Dorothy Hoover and Mrs. Barbara Stratton.

Invited to Dance

Sandia Corporation employees have been invited to attend the third annual spring dance for all personnel of Sandia Base which will be held Friday, June 1 from 8 to 11:30 p.m. in the old Base gymnasium. Music will be furnished by Happy Andrews and his orchestra and admission is free.

Mike Michnovicz, 2462, will provide intermission entertainment with his accordian.

If the dances held during the past two years are an indication of what to expect, an enjoyable evening is assured.

R. E. Poole and Party Entertained by Navy in Hawaiian Islands

Mr. and Mrs. R. E. Poole recently returned from a vacation in Honolulu where they were the guests of Admiral Arthur W. Radford, commander-in-chief of the U. S. Pacific fleet.

They were taken on a standard tour of Pearl Harbor which included a visit to the submarine base and a trip around the bay on the Admiral's barge. Admiral Brown of the submarine service greeted them at the base and showed Mr. and Mrs. Poole and Mr. and Mrs. Gerhard Smith of A.E.C., Washington, D.C., the diving towers used for escape training.

The couples were also conducted through one of the new, streamlined, guppy-type submarines.

During the trip around the bay they stopped at the battleship, Arizona, sunk during the Pearl Harbor air raid. The partially submerged battleship has been made into a monument, Mr. Poole said, and the United States flag is raised there every day. A plaque has been installed on the section of the ship still above water.

Mr. Poole noted that a similar tour is available to personnel of Sandia Corporation who may be planning a trip to Hawaii. It would be necessary to contact the Naval Office on the island after arriving, he said.



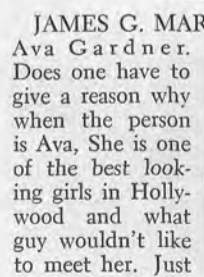
MR. AND MRS. R. E. POOLE stand before the diving tower for submarine escape training at Pearl Harbor. L. to R., Captain Anderson, Mr. and Mrs. Poole, Admiral Brown of the submarine service, and Mr. and Mrs. Gerhard Smith, AEC, Washington, D.C.

What Is Your Opinion? . . .

What Famous Person Would You Most Like to Meet and Why?



FRED A. BENTZ, 3231. I think I would say Senator Joseph McCarthy from Wisconsin, to see if he actually believes in what he says and what he does. To see if he has any proof for any of his statements and to find out if my opinion of him is justified.



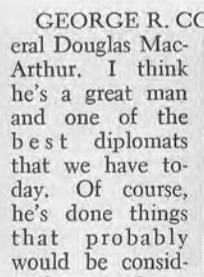
JAMES G. MARCHIONDA, 2411. Ava Gardner. Does one have to give a reason why when the person is Ava, She is one of the best looking girls in Hollywood and what guy wouldn't like to meet her. Just ask Frankie, or take a good look at one of her pictures.



HAZEL GLOSS, 4211 at West Lab. Oh, I know who I'd like to meet. Uncle Miltie. I think he's the nicest personality on television, to begin with. If they had more shows like Milton Berle's on the air, television would be worthwhile. I'd like to know his secret of changing costumes as-often as he does. One minute he's in a clown outfit and then a minute later he has completely changed.



ALMA C. VAN DE VELDE, 4133. I guess I would pick General Douglas MacArthur. Oh, I guess because I admire him and because he's so stately looking. I can't really give you a particular reason—I just admire him for his military accomplishments and his service to his country.



GEORGE R. COOPER, 1522. General Douglas MacArthur. I think he's a great man and one of the best diplomats that we have today. Of course, he's done things that probably would be considered wrong by many, but I certainly would like to meet him and shake his hand.



DOLORES MURPHY, A.E.C. Arthur Godfrey. I guess because he seems sort of common and ordinary, and yet at the same time he is rather a famous personality in his own field. I think perhaps he would be an easy person to talk with and through him you would be apt to meet other interesting personalities.

*A Glimpse of
Life in the
Far West*

**SALTON SEA
BASE**



ENJOYING THE SUN around the swimming pool at San Felipe Lodge are (left to right) Zilah Wilson, wife of Lloyd Wilson, 2480; Gladys Keller, wife of John Keller, 1614; Betty Roberts (and son), wife of Raymond Roberts, 1613; Chris Butler, wife of John

Butler, 1622; Jeannette Young, auditor for Fred B. Prophet Co.; Bettye McNabney, wife of Verne McNabney, 2480, and Mildred Lagomarsini, wife of George Lagomarsini, 1613.



MRS. JUNE AUSTIN works in the flower garden of her Salton Sea Base home.



A CORNER OF THE PATIO at San Felipe Lodge, Salton Sea Base, shows the beautiful swimming pool and landscaping. Popular most of the year, the swimming pool provides many hours of recreation for Sandia Corporation employees and their families.



VISITORS AND RESIDENTS alike enjoy the beauty of the patio and other sections of the Base which are landscaped with native trees, flowering shrubs and grass. Mowing the lawn which surrounds the swimming pool in the patio of San Felipe Lodge, is Jess McBride, 2480, who is in charge of planting and maintenance of grounds.



SALTON SEA BASE is located in a desert area thirty-two miles from the nearest town where such medical facilities as doctors and hospitals can be found. For this reason the Base has a well-equipped ambulance which is kept at the fire-department headquarters ready for instant service. Pictured here (left) is Joe Omlin, fire chief, 2480, explaining the operation of an oxygen inhalator to Verne McNabney, senior fire-fighter, 2480.



THE POOL TABLES ARE A POPULAR recreation feature of San Felipe Lodge. Pictured here from left to right are "Chuck" St. George, 2480; Eugene

Dirnberger, 1614; George A. Uszuko, 2480, and Bob Scharrer, 1614.



FISHIN' WAS GREAT ON THE RIO near Taos recently and in a full day the three men shown here came home with a near-limit catch. Holding the catch are John E. Pfalmer, Walter Cihak and James Hice, all of 2452. They are displaying 42 rainbow and speckled trout.

Coronado Club Pool Will Open Memorial Day

Swimming season at the Coronado Club will start Wednesday, May 30, Memorial Day. The pool will open daily at 10 a. m. and closing hours will be governed by the weather. The pool has been painted and prepared for the summer.

Arrangements have been made for free swimming instructions for Coronado Club members and their families this summer. Dan Aycock, 2224, and Jim Hinson, 2452, both qualified Red Cross swimming instructors, have volunteered their services to instruct the classes.

Classes for youngsters 8 to 16 years old will be held each Tuesday and Thursday, June 5 to July 12, from 3:30 to 4 and from 4 to 4:30. Adult classes for those 17 and over will be the same days at 4:30 to 5 and 5 to 5:30. Each class will last 30 minutes. The pool will be open for general swimming during the instruction periods.

Season tickets for club members and adult dependents will be \$3.00, plus 20% tax. Season tickets for children under 12 years of age of Coronado Club members will be \$1.50, plus tax. Members without season tickets and guests will pay 30 cents for children and 60 cents for adults for each swim. All children using the large pool must pay admission fee.

A club member may purchase a monthly swimming ticket for \$1.25. If three of these tickets for each of the summer months are purchased, the member will be entitled to swim the remainder of the period the pool is open at no additional cost.

Ronnie Smith Helps Hornets Win Crown

Ronnie Smith, son of F. B. Smith, 3000, was the toast of Highland High this week after he pitched the Highland Hornets to victory in the 1951 state high school baseball tourney.

The team copped the championship May 5 when they beat Carlsbad 6-1 in the tourney finals at Las Vegas. Ronnie gave up only six hits to the Carlsbad Cavemen. His teammates committed just one error.

Earlier the Hornets whipped the Raton Tigers 14-5 in their opening game. In the semi-finals they defeated the Mountainair Mustangs 5-2. Ronnie and his fellow pitchers held the hits down to 17 in the three games.

Be wise, invest in your future. Buy U. S. Savings Bonds the payroll deduction way.

Last Year Champs Again Lead League

The Indians, champions of the Sandia Corporation softball league last year, again seem to be the team to beat. The Yankees almost pulled the trick last week, playing the Indians to an 8-8 deadlock. This game will have to be replayed.

The Pirates, in second place, are playing heads-up ball and pose as a threat to the top-dog Indians.

Softball games are played Monday through Thursday, weather permitting, at the Corporation diamonds, west of the AEC housing area. Spectators are welcome.

League standings as of May 16 are as follows:

Team	Won	Lost	Percent
Indians, 2123-6	4	0	1.000
Pirates, 1210	3	0	1.000
Yankees, 2235-1	3	0	1.000
Tigers, 2122	2	2	.500
Dodgers, 2234	1	1	.500
Cardinals, 1500	1	2	.333
Red Sox, 2242	1	2	.333
White Sox, 2113	1	3	.250
Cubs, 2231-32	1	3	.250
Browns, 24:0	0	4	.000

Classified

FOR SALE—

Two fold-away beds with mattresses, \$18 each. Also baby bed, \$15. R. E. Glass, 314 N. Truman, ext. 29155 or Alb. 5-9088.

Baby stroller, \$2.50; tilt table circular saw with stand, \$15; utility trailer, \$75; Hamilton drawing table, new, \$30. Chuck Martin, ext. 4136 or Alb. 5-8030.

Oldsmobile convertible model 88, with rocket engine. Perfect condition, deluxe paint job, San Pedro Ivory; three year guarantee battery; all leather green upholstery; extras include radio, heater, windshield washers, direction signals, rear fender panels, white wall General Squeeze tires (value \$62 each); chrome wheel disks, Robbins full vision rear window. May be seen at 3122 40th St. W. F. Schaffer, Jr., ext. 33162.

1949 Chevrolet Styline 4-dr. sedan Sea Foam Green, w/radio, heater, nylon seat covers. A one owner car, priced below downtown prices: Joe Hickey, ext. 26149 or see at 2133 N. Dickason, Inez Addition.

1935 Ford coupe, perfect motor, new clutch, new paint, good tires, sacrifice for \$100 or best offer takes it. Bob Eisele, ext. 33245 or Alb. 2-3748.

Gyromatic Bendix automatic washer, does not need to be bolted down. One year old, \$199. Mrs. Honision, ext. 4137 or Alb. 2-8630.

1941 two-piece living room set, dark wood-trimmed burgundy mohair, good condition, reasonable, \$35. Mrs. Palmer, ext. 4137 or Alb. 2-8630.

Gas range, apartment size four burner, \$50; steel kitchen table, \$15; two coffee tables, \$7.50 each. P. E. Jockle, ext. 23145 or see at 2014 N. Cardenas Dr. (Bellamah).

Fence, decorative only, 3 ft. high 2 x 4's with cross bars. For best offer; attractive home air humidifiers, Cone evaporation, good for house plants, too. H. S. Tendall, ext. 23195.

1947 Crosley radio-phonograph console; mahogany cabinet, \$100; 5 piece dinette set; California mountain ash, \$40. Or will trade both items for home deep freeze unit. I Broverman, 1712, ext. 5139 or Alb. 5-1737.

Smith and Wesson .22 caliber revolver, brand new K-22 in factory carton with accessories, \$71.50 or best offer. W. O. Smitha, ext. 21186 or 21241.

Buick Rivera, late 1950 2-door sedan, Dynaflo, radio, custom heater, undercoated, side mirrors and custom equipped, two tone green with white side-wall tires, 4,500 miles. Cost \$3,100, sell for \$2,450. Will trade. W. O. Smitha, ext. 21186 or 21241.

1947 Traveleer Housetrailer, 20 ft. apt. range, refrigerator, exceptionally clean, \$950. Paul Syroid, ext. 22142 or see at 1817 N. California, Beverly Wood Addition.

Ziess super Ikonta "B" camera with ever-ready carrying case, \$150; Ziess Zielvier 4 x scope, \$60; Kalles Hielivier 4 x scope, \$50. E. C. McNeely, ext. 25250, office or ext. 4283, home.

Phonograph record cabinet, glass top, custom built with 24 compartments to hold 600 records in individual envelopes, envelopes furnished. \$49.50. Harry Weber, ext. 25143 or 7151 or Alb. 5-5090.

1949 Willys Jeepster, 31,000 miles, excellent condition, \$1,050. L. M. Gambrell, ext. 22143.

SPECIAL NOTICE—

Will baby sit afternoons or evenings except Sundays. Mrs. Beebe, ext. 5178.

Apartment for rent, 1215 S. San Pedro, three rooms and bath, furnished, \$75. Rex Eaves, ext. 23149 or call at 816 S. Indiana.

WANTED—

One passenger to help drive, Los Angeles, May 28. H. C. Biggs, ext. 7152 or Alb. 5-5624.

Woman passenger to share driving on trip to Chicago, leaving June 8 or 9. Mrs. C. H. DeSelm, ext. 21152 or Alb. 5-2634.

Driver for car pool. Hiway 85 and Barcelona Dr. Burl Alsop, ext. 4239.

RIDE WANTED—

Michigan or vicinity, early part of July. One way or both ways. Fortman, ext. 4248 or 5178.

1800 East Coal or Central to Tech Area. E. Ard, ext. 29241.

173 La Vega Rd., Pauline Campbell, ext. 4236.

One-half mile west of Yale Street on Miles Road (Dale Bellamah housing project). Mrs. Mary Vcella, ext. 28143.

316 S. 10th St. to and from work. Virginia McElyea, ext. 25155 or Alb. 2-9177.

6800 N. Fourth to South Gate Tech area. Betty K. Taylor, ext. 24152.

Sandia Base to vicinity of New York Ave. and N. Highland. Mann, ext. 24148.

4th and Candelaria, exchange ride. W. Ryan, ext. 21145 or Alb. 4-4468.

Alameda to East Tech Gate. Viola Tafoya, ext. 21250 or Alb. 4-2080.

Arthur Murray's Dancers Will Be Back June 12, 26

The success of last week's Arthur Murray dance lessons at the Coronado Club has led the entertainment committee to schedule two more sessions on June 12 and June 26, starting at 8:30 p. m.

Instructors from the famous dance studios will teach advanced steps of the samba and rumba. Music will be by records. Lessons will be free to members and 50 cents for guests.

P. E. German Band Conducts Rehearsal

The P.E. German Band met last week at the home of the president, Chuck Foster, 2112-3, to conduct a rehearsal. The band is planning to perform June 4 at a meeting of the Hugh A. Carlisle Post 13, American Legion, in Albuquerque.

On hand for last week's rehearsal were Chuck Strange, 2114, Ben Jolliffe, 2112-2; Phil Owens, 2112-1; Travis Bogue, 2114, and Karl Zimmerman, 2112-1.



SWIMMING INSTRUCTORS Dan Aycock, 2224, and Jim Hinson, 2450, survey the Coronado Club pool preparatory to the opening Memorial Day, Wednesday, May 30

Golf League

Standings as of May 12 are as follows:

A League

Team 3, Pierson, Dierks, Johnson, won 4, lost 0; team 7, Hickey, Campbell, Jones, won 3 lost 1; team 8, Freshman, Cavanaugh, Hess, won 3, lost 1; team 9, Skinrod, Hines, Kidd, won 3, lost 1; team 1, Cocke, Benish, Fellows, won 2, lost 2; team 5, Quirk, Ahl, Ryan, won 2, lost 2; team 2, Book, Nelson, Morrison, won 1, lost 3; team 4, Hook, Angus, Weldon, won 1, lost 3; team 6, Dadian, Jorgensen, Wheeler, won 1, lost 3; team 10, Cone, Clamp, McCarthy, won 0, lost 4.

B League

Team 8, Horne, Sr., Deuschle, Price, won 4, lost 0; team 1, Fornero, Snyder, Porter, won 3, lost 1; team 2, Clark, Robertson, Priore, won 3, lost 1; team 10, Northrup, North, Moffett, won 3, lost 1; team 3, Thomas, Johnson, Kennedy, won 2, lost 2; team 5, Hopper, Hunnicutt, Siglock, won 2, lost 2; team 9, Horn, Jr., Anderson, Baumgartner, won 2, lost 2; team 6, Hicks, Williams, Sharp, won 1, lost 3; team 4, Palmer, Jobe, Spriggs, won 0, lost 4; team 7, Brooks, Lindell, Lasky, won 0, lost 4.

Players and new handicaps as of May 12 are as follows:

	Starting Handicap	Permanent Handicap
Cocke	8	8
Benish	9	8
Fellows	9	8
Book	7	6
Nelson	10	11
Morrison	7	7
Pierson	3	2
Dierks	8	8
Hook	7	7
Johnson	7	9
Angus	5	5
Weldon	11	13
Quirk	8	10
Ahl	12	14
Ryan	12	11
Dadian	12	13
Jorgensen	14	14
Wheeler	10	12
Hickey	3	2
Campbell	10	10
Jones	8	7
Freshman	6	4
Cavanaugh	9	11
Hess	11	12
Skinrod	12	12
Hines	11	12
Kidd	8	8
Cone	12	13
Clamp	12	14
McCarthy	12	13
Snyder	10	7
Porter	14	14
Clark	3	3
Robertson	8	8
Priore	9	10
Thomas	10	10
Johnson	11	11
Kennedy	14	14
Palmer	14	14
Jobe	14	14
Spriggs	14	9
Hopper	14	13
Hunnicutt	13	12
Siglock	13	13
Hicks	8	9
Williams	7	7
Sharp	10	10
Brooks	6	7
Lindell	11	13
Lasky	11	13
Horne, Sr.	7	4
Deuschle	13	8
Price	10	10
Horn, Jr.	9	9
Anderson	13	13
Baumgartner	11	14
Northrup	12	13
North	13	13
Moffatt	13	13



WINDING UP A LONG DRIVE at the University of New Mexico golf course is Milton Fellows, 3151. Other Golf League members watching the ball sail are left to right: Don Weldon, 2211; Jim Cocke, 1292; Emil Deuschle, 4210; Lin Price, 4120; H. S. North, 1612; and Clyde Northrup, 1624.



SANDIA BULLETIN



Vol. 3, No. 12

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

JUNE 8, 1951

Seeing New Mexico on Week Ends



ACOMA, THE SKY CITY, is only a short distance from Albuquerque and is one of the most romantic, fabled and picturesque spots in the Southwest. The oldest continuously inhabited town in the United States, Acoma is well worth a climb up the worn footpaths which are the only approach to the ancient Indian pueblo.

Another one-day trip from Albuquerque to a beautiful and historical New Mexico site is the drive to Acoma, the Sky City. This article is another of a series telling of short trips in the state which may be of interest to employees of Sandia Corporation.

Acoma, the city in the sky, is reached by traveling 51 miles west of Albuquerque on Highway 66 and then 16 miles south over a good secondary road. The Highway 66 junction is five miles west of the Indian pueblo of Laguna. This road takes you past Enchanted Mesa, a mass of rock which towers high above the surrounding land. Legend has it that Indians once lived atop Enchanted Mesa, but a storm destroyed their trail up the steep side. Now the top of the mesa may be reached only by using mountain climbing tactics.

Sky City Discovered

A few miles beyond Enchanted Mesa is Acoma, which is an Indian city located on the top of a 400-foot-high mesa. The "sky city" was discovered by Coronado and his Conquistadores when they were searching for the fabled "Seven

Cities of Cibola." They were the first white men ever to set eyes on the now famous mesa. The history of Acoma tells of the struggles of its people with other Indian tribes and the white man. As it is today, the homes of the Indians were on the high, protected mesa, from which they descended daily to work in the fields below. When an attack from an enemy was feared, they withdrew to the mesa and fought on the narrow foot paths.

The church at Acoma is among the most unusual on the American continent. Construction was started in 1629 by a Franciscan priest and all materials for the structure were carried up to the windswept top of the mesa by villagers. Huge roof beams 40 feet long were brought from the mountains many miles away. Willa Cather, in her famous book, "Death Comes to the Archbishop," tells of many dramatic incidents in the life of the priests at Acoma.

Village is Open

A fee is charged tourists to go up the worn footpaths to the top of the mesa and inspect the village. Guides are provided to point out the places of special interest. Income from the guided tours is used by the village to buy modern farm machinery for their lands.

Red Cross Swimming Instruction Available At Coronado Pool

Life saving classes will be conducted by Red Cross swimming instructors Dan Aycock, 2224, and Jim Hinson, 2450, each Monday and Tuesday from 6 p. m. to 7 p. m. at the Coronado Club swimming pool, starting Monday. The course will last until July 18, Aycock announced today.

Instruction in holds, breaks, carries, and first aid, such as artificial respiration, will be given. Graduates will receive certificates and a cloth badge for their bathing suits, embroidered with the words, "Life Saving Senior." Those who complete the course will be qualified to act as a lifeguard anywhere in the United States.

Participants in the swimming instruction courses now underway are being taught floating, the leg and arm stroke, and the combination of the two. Those who complete this course on July 12 will receive a Red Cross certificate.

The lessons are free to Coronado Club members and their dependents. Dan Aycock, 2224, and Jim Hinson, 2452, are the instructors, both Red Cross qualified.

Classes for youngsters, 8 to 16 years old, are each Tuesday and Thursday until July 12 from 3:30 to 4, and from 4 to 4:30. Adult classes for those 17 and over are the same days at 4:30 to 5, and 5 to 5:30. Each class lasts 30 minutes.



Barney Myer



CORONADO CLUB HAS ANNUAL MEETING MONDAY EVENING

Members to Elect Directors, Officers; Drinks on the House

Refreshments will be on the house at the Coronado Club Monday afternoon for voting members attending the second annual membership meeting. Free cokes or beer will be served to those who attend the meeting which starts at 4:40 p.m., right after work.

The election of a new Board of Directors and club officers will be the main order of business, according to President Ed Brawley. A

committee has been hard at work making all arrangements so that the meeting can run smoothly and end in time for members to get home for dinner.

Nominating committee choices for the 10 directors to be elected are: Miss Goldie Tibbs, 2260; Carl Lindquist, AEC; W. E. "Doc" Rehbeck, 2241; Sam Johnson, 2232; Earl C. Pace, 2312; Jim W. Galbreath, 3152; Dave S. Tarbox, 2410; T. L. Allen, 1131; L. M. "Jerry" Jercinovic, 4221; and G. D. "Denny" Horne, Jr., 4122.

Before the balloting the floor will be open for additional nominations. Members will receive ballots bearing the names of the nominating committee's choices and there will be space to write in names of other candidates.

Comprising the nominating committee are Ted Sherwin, Frank Longyear, S. K. Thomson, Les Rowe and Joe Toulouse. After the election of the board members the membership will elect officers from the new board, which includes two appointive members, H. W. Sharp and D. F. Worth, reappointed to represent Sandia Corporation and the AEC.

Arrangements for the meeting are being handled by a committee of three, Bob Dill, Willis Jobe and Bill Caldes.

No Weather Too Warm After 72 Below in Alaska

The telephone rang in Plant Engineering the other day and when Barney Myer, 2132, answered it a man complained that his phone wouldn't work properly.

"The bell won't ring," the man said, then hung up without telling his name.

Barney has become philosophical about things like that. He just shrugs and goes on with his work as liaison between Sandia Corporation and the Signal Corps. It's Barney's job to coordinate Sandia's communications needs and relay them to the Signal Corps, which performs the actual installation or transfer of telephone sets.

Perfect Man

The 39-year-old ex-accountant is the perfect man for his job. He's friendly, a good listener and a good talker. Barney is lean and balding, with a mobile face that always seems ready to break into a smile.

He has the difficult task of convincing indignant people who have been waiting a long time for their telephone that their order is being rushed, and that others need a phone more than they do. This last feat is said by experts to be impossible, but Barney leaves them feeling guilty for even asking.

Barney claims the distinction of being a native of Albuquerque. He was born and brought up here. He attended the University of New Mexico and later transferred to Oklahoma A and M, graduating with a degree in accounting.

No Complaints

It wasn't long before Barney rose to the position of State Public Welfare Auditor. Then the Army called and he went to Alaska with the Quartermaster Corps. After weathering temperatures of 72 degrees below zero, Barney was glad to get back to New Mexico. He has never been heard to complain of the heat since his discharge in 1946.

He went to work for a wholesale firm for six months and then took a position with a construction firm at Los Alamos.

A year later Barney was married. He and Mary Lou, now Mrs. Myer, met at a dance and soon discovered that their parents had known each other for years. Mary Lou is a registered nurse. She served with the Army Nurse Corps during the war. Barney and Mary Lou also discovered that they were both discharged on the same day, January 6, 1946. That day is an annual celebration in the Myer home now.

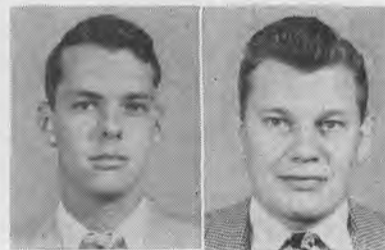
Barney went to work for the University of California at Sandia Base in 1948.

Their home and garden at 4034 East Anderson ave. is the subject of great plans for this summer.

Here Are the Nominees:



T. L. Allen J. W. Galbreath



G. D. Horne, Jr. L. M. Jercinovic



S. L. Johnson Carl L. Lindquist



E. C. Pace W. E. Rehbeck



D. S. Tarbox Miss Goldie Tibbs

Carrie Resembles Gene — Therein Lies Confusion

"Look, Henry, isn't that Gene Tierney over there?"

This excited whisper was overheard by Bill and Carrie Pumphrey at a drive-in theater recently.

Tierney Nearby

Carrie and Bill are used to hearing such remarks. Before they moved to Albuquerque last year, the couple lived in Washington, D. C., about two blocks away from Gene Tierney's home. It became almost a daily occurrence for people to mistake Carrie for the famous movie star.

The high, wide cheekbones, same shaped mouth, and come-hither eyes that make Gene Tierney one of the most beautiful women in Hollywood are all duplicated in Carrie's features.

At 28 Carrie is growing to look more like her screen counterpart all the time, according to Bill. Both Carrie and Bill work for Sandia Corporation, Carrie in 4222 and Bill in 1251. In Washington Carrie worked for the Chesapeake and Potomac



Gene—er, Carrie Pumphrey

Telephone Company and Bill was stationed at the Naval Research Laboratory there.

Judges Switched

Before they met, Carrie was one of six finalists in a company beauty contest. Austine Cassini, Gene Tierney's sister-in-law, was scheduled to judge the contest, but a panel of servicemen was substituted at the last minute. If Austine Cassini had been judge, Carrie probably would have won hands down.

Her makeup problems are solved by the top beauticians in Hollywood. Since Carrie's coloring and features are so amazingly like Gene Tierney's, all she has to do is read a few movie magazines to find out the actress's tips on grooming.

Carrie is genuinely embarrassed at the constant comparison, but Bill is proud—after all, it isn't every man whose wife looks like a movie star.

SANDIA BULLETIN

Friday, June 8, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



The Late Mr. Whozis

HE WAS A NICE GUY, BUT . . .

Human beings are creatures of habit. Habit governs our dress, our speech, our daily routine at home and at work. Some of our habits are good, some are bad.

In your block there's probably at least one Dagwood type, who just can't get going in the morning. It's a habit with him to gulp his coffee as he pulls on his jacket and heads for the door a few minutes late. Chances are he rides in a car pool, and his frantic last-minute preparations are going to make the whole carload late for work. He makes a feeble explanation, but he doesn't mend his ways.

That's the fellow who will tell you he doesn't "have time" to do this or that. He's always rushing, but he always gets there late. What's wrong there? Can it be that there are only 20 or 22 hours in his day instead of the 24 hours in yours and mine? No. The obvious answer is that he hasn't bothered to budget his time. He hasn't learned the simple rules of living on 24 hours a day.

He has fallen victim to a bad habit that may change his whole life. His lack of reliability will irritate his co-workers, worry his family, shake the confidence of his boss, and cause him no end of personal difficulty and grief. The man who cannot run his own life in an orderly fashion is not to be trusted with greater responsibility. When he has slipped into the rut of laziness or indifference that causes him to be late for work, late for meals, and late for appointments and social engagements he loses at the very least the respect of his fellow men. Sensing but not admitting this, he begins to rationalize his shortcomings—finding fault with his superiors—being critical of those who are always prompt and efficient. Like a drug addict who has given up hope of curing the habit, he takes a vindictive pleasure in encouraging others to be less attentive to details of orderliness.

"What does it matter if I'm a few minutes late? I'll get my work done. Don't worry about that," he says. But suppose he does. Maybe he works a little later to do it, keeping someone waiting, or maybe he takes a shortcut to finish on time, slighting the quality of his work. Sooner or later the record catches up with him and he is the one who pays.

You've heard the standard scornful description of the habitual late arrival: "He'll be late for his own funeral." What they're really saying is that the fellow is already dead but he won't lie down, and those who might have helped him to lead a full and happy life, had he been more reliable, have already paid their last respects and turned silently away.

Coronado Club Schedule

(Clip this program for handy reference)

Saturday, June 9—Informal dance, orchestra, 9 p. m. to 1 a. m.

Monday, June 11—Coronado Club annual meeting and election of officers.

Tuesday, June 12—Arthur Murray dance instruction, 8:30 p. m.

Thursday, June 14—Canasta party, 25 cents per person, 7:45 p. m.

Friday, June 15—Barn dance, Duke City Cowboys, 8:30 p. m.

Saturday, June 16—Monte Carlo night, \$1.50 per person, 8:30 p. m.

Sunday, June 17—Buffet dinner dance, dinner 5 to 7:30 p. m.

Tuesday, June 19—Square dance instruction, 8:30 p. m.

Wednesday, June 20—Bingo, 8 p. m.

Thursday, June 21—Bridge party, 25 cents per person, 7:45 p. m.

Saturday, June 23—Summer informal dance, Joe Cata orchestra, 9 p. m.

Tuesday, June 26—Arthur Murray dance instruction, 8:30 p. m.

Saturday, June 30—Semi-formal dinner dance, \$2.50 per person, 8 p. m.

Golden Wand for Retiring President

An engraved gold wand was presented to Art Perry, 2462-1, retiring president of the Albuquerque Magicians' Club, by the incoming president, Leland Sangster, 1134, at a meeting of the group last Friday.

Club members entertained patients of the Los Lunas hospital recently. Those participating in the show were Charles G. Dodson, 2242, Art Perry, Leland Sangster, and A. H. Spengeman, 4134.



Machines can take
A vicious bite
So muzzle 'em and
Treat 'em right.

Play it safe and run only the machines to which you're assigned. Keep all guards in place. Take them off only if authorized. Put them back before you start the machine. Wear protective goggles and clothing. You can never grow another eye or more fingers. Play it safe.

Thank You

We wish to express our deep appreciation to all of our friends within the Corporation for the kind expressions of sympathy and material assistance given at the recent passing of our son, Tommy. Your thoughts and prayers were a constant source of strength in our hour of deep sorrow.

Mr. and Mrs. George H. Mauldin and Jerry.

AROUND THE DEPARTMENTS

Softball players are urgently needed in 2234. Those interested are asked to contact Roy Hassebroek, ext. 2-1145.

Best of luck is wished Captain Simpson by personnel of 2234. The captain has been transferred to AFSWP headquarters.

Several fishermen in 2234 have been trying their luck at the sport. All they have to show are sunburns.

William Myers, 2234, returned from his vacation in Michigan recently to report that the fish were biting there.

Peggy Henrie, AEC, took a short vacation last week to visit with her parents, here from Kansas, and to see her daughter, Jackie, graduate from the University of New Mexico.

AEC welcomes Kay Skees to the Personnel office. Kay is an Albuquerque girl.

Juanita McDonald and Peggy Fowler, both of AEC, have been out ill for several days.

Coy Dickens, AEC, and husband have a new home at 2808 N. Madison.

Ray Thome, AEC, went to Detroit on his vacation recently. Other vacationers in AEC include Ernie Baumann and Frankie Couch, who spent their time at home; L. B. Hodler went to Detroit for two weeks, and Sybil Milligan, Theresa Sullivan and Jessie Greenwell spent several days in Canyon City, Colo., which is Sybil's home.

R. C. Clifton, 2221-1, is the proud father of a daughter, born May 7. The Cliftons have named her Margaret Ellen.

A daughter, Mitzi Lynn, was born May 18 to Mr. and Mrs. Joe Kabaugh. Mitzi weighed 6 lbs., 12 oz. Joe works in 1250.

Mary Wallace, 2461-2, and family left last Saturday for a vacation trip to Texas and Mexico. Another vacationer in 2461-2 was Kathryn McCarthy, who entertained friends from New York City.

A baby shower was given by Diana Davis, 2225, last week for Mrs. Marjorie DeLang, also of 2225.

Janie Wilson, 2464-1, and her husband, Horace, left last Friday for Texas, Colorado, and Yellowstone Park, and will return in another week to their new home at 317 N. Quincy.

Personnel of 2222 wish Renee Licht and Stella Jenkins the best of luck. Both of their husbands are in service and have been transferred, and Renee and Stella are following.

It was a promotion for Florence Gustafson when she transferred from 2221 to be department secretary in 2250.

Oleta Morris, 2333, spent her two-week vacation with her folks. They went to Fort Worth, Dallas, and Oklahoma City.

Jack and Joan Fullerton are the proud parents of a daughter born May 24. They have named her Theresa Ann, and Jack, who is in 2314, passed out cigars for the men and chocolates to the ladies. Joan was formerly in 3120.

Some two dozen radio amateurs who will participate in the June Field Day Radio Emergency Drill, face possible extermination. Carl "Cyanide" Carlberg, 2211, is a member of the food committee.

Elizabeth Crane, AEC, recently attended the Beta Sigma Phi convention in Roswell. She represented the Alpha Delta chapter of Albuquerque.

Ernest A. Martin, AEC, and his wife went to California last week to pick up their children who have been visiting there since January.

AEC personnel are happy to see Frank Means back on the job after six months. Frank has been out with an injured foot.

William K. Kirk and Homer T. Judd are welcomed to Sandia. Both are AEC transfers from Los Alamos.

William Keating, AEC, left last week for the Marines.

Darwin Dennis, AEC, is leaving tomorrow to attend the University of Utah.

Matilda Ruppe, AEC, left last week for three weeks in New York City. She has tickets to see "Call Me Madam."

There are two proud new fathers in 1241. Frank Kohut has a son, John Francis, born May 31, and R. T. Finnell has a daughter born May 22.

Illene Schooley has been promoted to secretary to Clark Read in 2234, taking Mary Nichols' place. Mary is leaving with her husband, who is going to get his master's degree in Wichita, Kans.

The Bausch & Lomb Science Award was presented to 18-year-old Chalon L. Carnahan, son of C. W. Carnahan, 1130, recently for excellence in scientific studies. Chalon just graduated from Highland High School.

Loveta Golden is welcomed to 3152, taking Terry Halpin's place. Terry is awaiting a visit from the stork.

Jim Hinsdale, 3151, left May 31 on a two weeks vacation to Grand Rapids, Mich., and Knoxville, Tenn.

A miscellaneous shower was held by Mona Cripe and Margaret Bolton, 3150, on May 31, honoring DeeDee Kirby, who will be married tomorrow. About 30 of the girls in 3150 were there.

Department 3150 held a picnic Sunday, June 3, in the Sandia Mountains at Ellis campgrounds. A day of fun for all was arranged, including games, prizes and good food.

Margaret Hagan, 2130, returned last week from a two-week visit to Louisiana. Her co-workers report that she now shuns all footwear except open sandals.

Margaret Bird, 2130, spent Decoration Day week end visiting in Loveland, Colo.

Edith Moya, 2241, and her twin sister, Edna, appeared on television last week on the Bob and Barbara matinee show. They wore Spanish costumes advertising the Old Town fiesta. Edith played the Spanish guitar.

Jim Reck, 2242, and his brother and sister-in-law went fishing on the upper Rio Grande in Colorado canyon. They caught their limit of rainbow and German brown trout on F7 flatfish and Colorado spinners. Jim hopes this last bit of information will assist others.

Dr. C. N. Hickman, 1400, has been elected to membership in Ring 90 of the International Brotherhood of Magicians. This group is comprised of amateur magicians, most of whom are employed by Sandia Corporation.

Mary Schwartz, 2461-3, had her folks visiting her last week from Raton. Mary's daughter returned with them for a couple of weeks.

Vacationers in 2463-1 include Juanita Fidler and Martha Williams. Martha went to California to visit relatives.

Department 3160 welcomes Carol Crenean as a new nurse. Carol is a native of Albuquerque and graduated from St. Joseph's Hospital.

Paul Kelly, 2113, won a first place at a model airplane meet held in El Paso recently.

C. A. "Mac" McAlister, 2417-1, is leaving June 15 to be with his family in California. His co-workers wish him the best of luck.

Henry Moculeski, 2417-2, is building a wall around his yard while on his vacation.

A new car owner in 2417 is Coy Plunkett, with a Nash.

Personnel of 3230 extend a welcome to Lillian McCullar and Doris Miller. Lillian is from Oklahoma and Doris is from Indiana.

A speedy recovery is wished for Wanda Mae Loveless, 2230, who had an emergency appendectomy May 20.

Congratulations go to two new fathers in 2232. Charles Mills is the father of a son born recently and R. E. Hendrix has a daughter.

Ginny Roy, 1710, returned Monday from her two-week vacation. She and her daughter spent most of the vacation visiting with relatives in Michigan.

Nancy Johnson, 1710, is in Mexico on her honeymoon. Her husband just completed his junior year at the University of New Mexico.

Latest techwriter to be added to the staff of 1714 is Frank Barnett, who comes to 1714 after ten months at 1122 in the West Lab. Born in Chicago and raised in Denver, Frank spent 15 years in the Army and lived in Los Angeles prior to coming to Sandia.

Lois Barney, 1714, is back from a five-day holiday trip to Texas where she visited with friends and relatives in Lubbock and Brownfield.

Florence Burwell, 1714, is on a vacation trip to Glendale, Calif. She and her husband are joining the Los Angeles Wheelmen (a cycling club) in their annual century run. (For the uninitiated, a century run means a one-day 100-mile round trip by bicycle.) Incidentally, it was with the Los Angeles Wheelmen, a co-educational group, that Florence and her husband first met.

Max Weber, 1714, returned last week from a vacation trip to New Jersey to visit with his mother, who is quite ill. The trip was uneventful, with a few minor exceptions, such as a blow-out on the Pennsylvania Turnpike, a broken water pump, and a punctured gas tank suffered by the car, and a broken wrist suffered by his 5½-year-old son.

Wilson Hicks, 2234, is happy now that he doesn't have to play bachelor any longer. His wife and son returned home yesterday after a three-month vacation in Philadelphia.

Charles "Trout" Simpson, 2210, journeyed to Red River recently for a few hours of fishing. It's reported that he tried.

Dick Collins, 4231, after five years in the state, finally decided to have a look around our Land of Enchantment. On his recent vacation Dick visited all the outstanding Indian villages and toured the southern part of New Mexico, including Lincoln county, where he looked up Billy the Kid.

Welcomes are extended to Rachel Gurule and Gerry Cacciato in 2461-3.

M. L. Heineken, 1513-1, was recently elected president of the Albuquerque Bowling Association. D. H. Dierks, 3123-2, is one of the association's vice presidents.

Busy Motion Picture Producers Turn Out Many Documentary Films in Sandia Corporation Studio

Hollywood, j. g.—that's what Ed Ancona, 2465, calls his motion picture division at West Lab. And he's right, it's the closest thing to a junior grade Hollywood this side of MGM.

Ed and his highly skilled crew of seven shoot documentary movies at Sandia and Los Alamos. Meanwhile a constant processing of black and white films is going on in a pair of complicated machines which develop from 40,000 to 50,000 feet of .16 mm and .35 mm film each month.

Push and Wait

Right now they're putting the finishing touches on a .35 mm color film processing machine that makes the other two contraptions look tiny. The thing is about 30 feet long and eight feet high. You can push film in at the darkroom on one end and then walk down to the other end and wait for it to start rolling out, fully developed and ready for the projector.

All these machines are capable of developing film 24 hours per day at a speed of 15 feet per minute.

Ed hopes to have the color machine ready for operation this month. He is now waiting for shipment of accessory replenishing gear designed to maintain automatically the strength of chemical solutions in five huge tanks.

Behind the projection cubicle is a room packed ceiling high with electronic equipment. Control boards studded with switches, dials, meters, and flashing lights wall in the massive wiring system. These gadgets are used to assure the utmost in sound precision and clarity in the film's sound track, because the technicians have more to worry about than just the narrator's voice. Sound effects and appropriate music from Ed's personal collection must also be dubbed into the completed sound track in perfect unison with the actions on film.

Camera, Action

But, of course, before you can even begin to work with sound you've got to take the picture. These second DeMille's begin by loading cameras, spotlights, and other paraphernalia into a pickup truck, and then they head for the location. The actors are the people doing the actual work and the picture is shot after only a brief rehearsal.

"We don't have to worry about mistakes, too much," says Ed, "the characters in our production know what they're doing; after all, they do it every day."

The crew has traveled to Los Alamos to make a documentary film, but most of the movies are taken indoors at West Lab or Sandia Base.

Another feature of the West Lab flicker factory is a small sound studio



HAVING THEIR PICTURES TAKEN for a change, instead of taking pictures are West Lab's Hollywood j.g. technicians: left to right, Edward Ancona, Division 2465 leader; Mrs. Ruth Deaton, secretary; Dick Miles, sound recorder and projectionist; and Bob Matthews, cine photographer. Bob is aiming the motion picture camera used to film documentary movies for Sandia. Dick is taking a light reading, Ruth scans the script and Ed acts as narrator.

that looks plush, but is strictly functional from the deep floor carpeting to the white soundproof ceiling.

A vault-like door leads into the studio where Ed sits at a streamlined control board twiddling dials to keep the narrator's voice full and rich. The narrator in turn stands at a lectum reading the script into a mike swinging from a boom as he watches the movie Ed and his boys shot earlier.

Recorded on Tape

The narrator's voice is recorded on tape moving at exactly the same speed as the film. Thus, when the sound track and the film are joined, the narrator won't be describing how a bolt is fitted while the screen depicts some one swinging a sledge hammer.

Behind Ed and the narrator is a wall pierced by double glass windows. On the other side of the wall is a small projection room holding a huge .35 mm projector of the downtown theater variety. It looks something like a furnace and has a special motor attachment for the sound-film synchronization. A smaller .16 mm projector is also in the room and it too has a synchronizing motor.

The film is then put through the process of developing and sound dubbing by the youthful technicians. Ed Ancona at 29 has a background of sound equipment designing with R. C. A. He helped think up recording devices used at Sandia before he came to work here in 1949. Dick Miles, the 35-year-old sound recorder, projectionist, and electronic technician of the division, worked with Ed at R. C. A.

Dick was in charge of the production line that built and tested Ed's designs.

Wally Bischof, also 29, is the control chemist. According to Ed, he trots from the machines to his lab testing the developing fluid and shouting, "throw in some more hypo!" Actually his work involves the delicate maintenance of a precise chemical concentration in tanks holding from 50 to 100 gallons of developer. The quality of the product depends on Wally.

Police Photog

The actual processing is done by Esquipulo (Skippy) Baca, a former photographer, and his staff, Dean Heath and Wayne Hancock. Dean is 36 and Wayne is 24, the oldest and youngest in the crew. Before he came to Sandia, Dean was a police photographer in Kansas City, Mo.

The second oldest member of the team is Bob Matthews, also 36 but a few months younger than Dean. Bob is the cine photographer. He grinds the camera at the movie locations. Bob was a portrait photographer, an aircraft photographer, and a freelancer before he came to Sandia.

Mrs. Ruth Deaton, Ed's secretary, handles the paper work for the entire division.

It's a happy group, intensely interested in their work and intensely aware of their responsibility. Most of their films will never be seen by the public, but they are contributing valuable information in the field of training as well as providing historical records of the progress in many scientific and technical activities.

650-Mile Race On Motorcycle Is Rough Sport

During the recent war Ralph Prickett, 1532, was a paratrooper. Life after the big fight was too dull so he took up motorcycle racing. At least, that is the reason he gives.

And Ralph must love the sport for he has purchased his sixth motorcycle, an \$800 English-made machine built by the Birmingham Small Arms Company. Further proof of his enthusiasm is his participation in three races for amateurs last year, two in California and one in Oklahoma. Victory brings no prize money—only a trophy and a feeling of accomplishment when he wins.

Love That Bike

Recently during the evenings he has been busy assembling his new "bike" and treats the sleek machine with tenderness and an obvious show of affection. A tall, 28-year-old sportsman with a friendly smile and soft voice, Ralph has put the machine together carefully, piece by piece, and has checked the assembly as critically as a circus aerialist examining the rigging on his high wire.

There is a reason for all this attention. It's mighty discouraging, he points out, to get into the closing phase of a 150-mile race and have the machine develop trouble. That's what happened in the Big Bear National Championship race in California last year. Only 20 miles from the finish while he was in fifth place a desert rock threw the footrest into the clutch assembly. Ralph managed to nurse the machine on to the flag but had the painful experience of seeing 12 riders pass him by. There were 243 entries in the race so he still did a good job.

Across Burning Sands

A 650-mile race also was held in California. It started in Pasadena



Ralph Prickett

and for two days the riders ground over mountains, through Death Valley and across the burning desert. There were over 340 entries in that race and Ralph ranked high among the finishing riders.

More often Ralph is participating with fellow sportsmen in local races and rides in New Mexico mountains. They like to tackle mountain trails used by horse back riders. Most people are surprised to learn they can climb these steep paths, he says, but they are not as startled as some of the horses they meet way back in the Jemez Mountains.

Happy to remain in the amateur class of riders Ralph says when he feels he has to enter competition for money, he'll sell his motorcycle and stop riding. Amateur racing is safe, he insists, and his only spills came when he was learning to ride. There's more of a chance of an accident in the ride through the traffic from home to work than there is in several hundred miles racing through desert and mountains. That's what he says and he sticks to it.

Ralph's wife doesn't ride a motorcycle, but she doesn't care if he does. She's resigned to her fate as a week-end widow, he says.

What Is Your Opinion?

What Do You Think of Television?

ROBERT HEPPLWHITE, 1611. Everywhere else it's fine, but in Albuquerque, it's not. They cut off the people's heads. At first I thought it was the set or the particular program but it isn't, it's that way on all of them. It's different on the East and West coast, but here they cut off their heads.



NANCY HASKELL, 1283. I haven't seen too much of television. What I have seen I don't care too much for. It seems very slapstick. I looked forward to seeing Fred Waring and when I did, I was very disappointed with all the added dancing. We don't have a television set and aren't interested in getting one.



COY DICKENS, AEC. I don't particularly like it here because they don't have enough channels. I've seen it in the East and it's really marvelous where you have a selection of programs. By the time the programs get out here, they are old and have lost their timeliness.



KENNETH B. STIVER, 2412. We've thought a lot about buying a set and we've had them out on demonstration. The trouble is neither my wife nor I get anything done when we have a television set. I would like one if we had the time. With both of us working, you can't leave everything go and watch it.



LEROY HUENEFELD, 4134. Yes and No I think it is good. Yes, because they seem to have a variety of programs and it's quite interesting and it seems to be appealing to the majority of the people. No, to the extent that it's gradually dwindling theatres to where we won't have any eventually. Also, I don't think it's fully developed.



LAVERNE COUDRIET, 4222. My son is already asking why we can't have a television set when others in our family do. We all enjoy it very much and we're most anxious to have one. The Lone Ranger and Hopalong Cassidy programs can keep the children occupied and I believe it's well worth the price just for that.



THE PET PROJECT of Division 2465 is the as yet unfinished .35 mm color film processing machine. Standing before the developing tanks are (left to right) Esquipulo (Skippy) Baca, head of the processing crew; Wally Bischof, division chemist; and crew members Wayne Hancock and Dean Heath.

Men Into Service

Sandia Corporation men entering military service during the month of May included Burton H.



Bell



Giannini



O'Rourke

Bell, 2231-3, recalled by the Navy; Gino G. Giannini, 2231-1, and Ferrell T. O'Rourke, 2231-1, both called by selective service.

Bowling League Names Two Sandians Officers

C. J. Baumgartner, 4133, was elected chairman of the Indian Bowling League at a meeting held recently. LeRoy Huenefeld, 4134-2, was elected secretary-treasurer.

The league is in the process of forming teams for next year and will make an announcement as to the time and place of their next meeting.

Model Railroaders Engineer Their Equipment Just Like the Real Thing

A tiny locomotive racing through a mountain tunnel with five little freight cars, rattling over a miniature bridge, grinding to a stop in front of a realistic railroad station—this is what puts a gleam in the eye of train hobbyists like Wilbur F. Schaffer, Jr., 1291, Jerry Hinman, 1292, and Lee Cheeseman, 1523-1.

Builds Pickle Car

An elaborate platform setup such as the one Wilbur has in his home would be a child's dream come true, but these trains are definitely not toys. One of his locomotives alone costs \$50. According to Jerry, it can take up to 10 years to complete a layout.

Jerry goes in for unusual trains. He has a wine car, a pickle car, a coal car that tips over sideways, a hot metal car, a crane car that lifts, a searchlight car, a transformer car, a water car and a little machine that runs along the tracks and sweeps up the dust.

Everything is built to scale. Even the scribbling of hobos on the sides of Jerry's freights are scaled at 3.5 mm to the foot. This includes the spikes in the ties and the gravel along the track.

Painstaking attention to detail characterizes the hobby. The small scale—much smaller than any child's set—is designed to allow hobbyists to crowd as many trains and as much track and landscape into a small area as possible.

Designs New Control Box

Lee Cheeseman has even designed a system to permit independent control of two trains on the same track. The control box holds an electric filtering system for AC and DC

current. Lee sent the plans to the A. C. Gilbert company, makers of American Flyer trains and other toys. They wrote back saying the system was ingenious, but too expensive to make commercially. Now Lee intends to send the plans to the Lionel Company.

Lee, Wilbur, and Jerry are representative of Sandia's crew of amateur railroaders. Others include Jim Jones, 1270, Bob Ware, 2132, Bob Henderson, 1200, Dick Bice, 1210, Jim Cocke, 1292, S. K. Thomson, 2330, Joe Toulouse, AEC, Dave Tarbox, 2410, and others.

Jerry recently moved into a new home and hasn't had time to set up his equipment, but when he does he'll have 75 feet of track. This is equivalent to six miles of regular railroad track.

Uses Entire Room

"Where do you put it all?" is the question usually asked when people begin to realize how much equipment is used. Wilbur has devoted an entire room in his house to the 5½ by 10 foot platform and his workshop. Lee has temporarily laid his track down on the living room floor, and Jerry plans to install his set in the garage.

The material comes in kits costing from \$2.50 on up per car. Each kit has myriad separate parts that must be carefully assembled by the



AT THE CONTROLS of his miniature railroad system is Wilbur Schaffer, Jr., 1291. Kibitzers from left to right are Lee Cheeseman, 1523-1, Wilbur's son, Jon, and Jerry Hinman, 1292. Lee and Jerry are train hobbyists in their own right. Both have elaborate equipment, accurate to the last coupling, in their homes.

hobbyist. It's almost an art in itself to get some of these complicated gadgets together. Often the pieces are just rough lead castings that must be trimmed to fit and riveted into place.

When finished, the electrical circuit on one of these platforms would puzzle an Edison. The switches that shunt a moving train from one track to another are controlled by tiny electrical devices concealed under the track or in houses along the way. These devices are in turn hooked up to the master control box.

Plans Coal Mine

In addition, there are numerous extras that must also be electrically controlled. Lee plans to build a mine in his mountain with coal loaders that will run in and out of the tunnel carrying coal to be

dumped in freight cars pulled up on a siding.

Wilbur's six-year-old son, Jon, is the envy of his pals. He's the only one in the family small enough to duck behind the mountain and rescue trains derailed in the tunnel. Wilbur hasn't been able to figure out what he'll do when Jon grows up.

Lee isn't worried about that. He's got three children, Billy, 8, Peggy, 6, and Connie, 2, so he'll have lots of help for years to come.

It's a highly technical business, this train building, not for kids, but it's rumored that these three particular enthusiasts would like nothing better than to take a ride, sometime, in the cab of a real live locomotive. S. K. Thomson, incidentally, claims that achievement, but he's not talking about how he managed it.

Prize-Winning Stamps Exhibited by Sandians

Sandia employees walked off with several high honors in the recent Stamp Exhibition of New Mexico held by the Albuquerque Philatelic Society.

Grand award winner was Franklin Barnett, 1714, who displayed a complete set of United States mint commemoratives. Award for the best air mail exhibit was earned by his wife, Joan Barnett, 3150, who also won first awards for United States stamps, "Farley's Follies," and United States savings stamps.

Joseph Toulouse, AEC, earned a first award for Mexican stamps, and a third award for Mexican air mails. C. E. Foster, 2112-3, was awarded a certificate of merit for his Liberia plate specimens.

Vacation's the Same Everywhere — Much Anticipation Then Realization



1 DON AND MAY ATKINS get out the road maps to plan that 1420-mile vacation trip to Rockford, Ill., the family's former home. Sharyn, 13, and Ronald, 8, take excited interest in the plans. Don works in 1511-2.

Camera Follows Atkins Family Until Departure

For weeks the most important day of the year to Don Atkins, 1511-2 and his family has been June 8—today. The entire household planning has been centered around the day their vacation starts. Now it's here and tonight a heavily loaded car will pull out from their home on Hendola street and head for Rockford, Ill., 1,420 miles away.

Don, his wife, May, 13-year-old Sharyn, and 8-year-old Ronald, came from Rockford in 1949 when Don went to work for Sandia Corporation. They have not been back since. Don and May met and married in Rockford and the two children were born and brought up there.

Arrive Sunday

Don and May began figuring out their route several weeks ago. They will start out late this afternoon and put up at a motel along the way sometime tonight. Starting early Saturday morning, they'll drive all day and again stop at a motel for the night. If everything goes all right they should arrive early Sunday afternoon.

Sharyn and Ronnie can't wait to tell their school friends about life in the far west. Don is looking forward to some golf with old pals and fishing at Lake Winnebago, near his brother's home in Oshkosh. May is planning long visits with relatives and friends she's known since childhood.

But despite all the individual things each member of the family wants to do, there'll be days when the four of them will be out on Lake Winnebago in a boat, tangling lines and getting in each other's way when there's a fish on the hook. And there'll be quiet evenings at friends' homes when nostalgia will creep in as the talk spins back to almost-forgotten people and almost-forgotten days.

Yes, there'll be a lot to do, a lot to see, and a lot to talk about, but the Atkins family will still be glad to turn their car around and head back to their new home and their new life in Albuquerque.



2 LAST NIGHT, the Atkins family started the big job of packing. Young Ronnie supervised as his sister Sharyn packed their suitcase. Don acted as clothes-holder while May carefully arranged summerwear for the two-week vacation.



3 ALL DRESSED UP and a long way to go, the Atkins stock their car with all the equipment designed to make vacations more fun. May hands Don his treasured tackle box while Sharyn holds the fishing rods. Ronnie is intent on making sure his bat and ball aren't left.



4 THE FINAL MOMENT has arrived. With two exciting weeks ahead, the Atkins family happily waves goodbye to neighbors and starts the trip toward fun, family, and fishing. By driving until late tonight and all day Saturday, they plan to reach Rockford Sunday.



JUNIOR JUNCTION CLUB members pose after watching a hotly contested ping-pong game. Club facilities include television, a juke box, chess and checker games, and room to dance. L. to R. Nancy Nail, Lori Hudson, Ed Duck, Mary Patricia Bailey, Judy Marshall, Allan Gruer, Nancy Jean Jenkins, Russell Ashby, Clyde Northrup, Billy Patterson, Roland Pickens, Mary Lou Marshall, Tom Roy, Evelyn Northrup, Larry Fornicola, Buck Weaver, Phyllis Allaire, Carol Kromer, Harriet Stranathan, and Janis North.

Base Teenagers Have Own Club

Ping-pong tournaments, chicken fries, canasta, quiz programs, bingo and softball are only a few of the activities of the Sandia Base Junior Junction Club. The club, open to all teen agers living on the Base, boasts 48 active members, sons and daughters of Sandia Corporation, AEC and Army personnel.

The Junior Junction clubhouse, recently redecorated, is located near the Base Chapel on D Street and is equipped with a television set, a juke box, kitchen, lounge, ping-pong table and a variety of games to provide entertainment for its members.

Kids Keep Busy

The club's weekly schedule includes a ping-pong tournament on Tuesday; canasta, chess, checkers, etc., Wednesday; quiz program, Thursday; bingo, Friday, and an outdoor activity on Saturday. Future plans include a hay ride, bicycle hike, and an old fashioned box supper. In addition, the boys' Junction Baseball team is active in the American Legion junior league in Albuquerque and the girls are forming a softball team.

A chicken fry in the foothills of the Sandia Mountains was held recently by the teen-age boys honoring

one of their members, Russ Ashby, who has won a scholarship for pre-medical study at the University of Denver. A final tally revealed that six drumsticks per boy were consumed.

Members of the club have formed a group of entertainers called Teen Troopers and have entertained patients at the Base Hospital and members of the Coronado Club and the ANAF Club. Acts include hula dances, tap dances, an Al Jolson pantomime, castnet dance, piano solos and other instrumental solos.

Sell Hot Dogs

In order to raise funds for the upkeep of their clubhouse, the teen agers have sold hot dogs on Armed Forces Day and have sponsored Tony White Cloud Indian dances at the Base theatre. Members pay 25 cents monthly dues to assist in financing activities of the club.

M/Sgt. J. H. Bailey is director of the club and parents take turns as chaperones. Club hours Mondays through Thursday are 5-5:30 p.m. and 7-9 p.m.; Fridays, 4-5:30 and 7-11; Saturdays, 2-5:30 and 7-11 and Sunday 2-5:30 and 7-10. The summer hours have not yet been announced.

Eligible Employees Will Get Free Life Insurance Policies

If you are a regular employee of Sandia Corporation and your term of employment is two years or more, you are now covered by a life insurance policy which is not costing you one cent. If you started work for Sandia Corporation within the last two years, you will be insured after the second anniversary of your employment.

Schedule of Insurance

Term of Employment	Amount of Life Insurance
2 years, less than 7.....	6 months' base pay
7 years, less than 10.....	9 months' base pay
10 years or more	one year's base pay (subject to a minimum payment of \$1,000 upon the death of the insured.)

Employees who were eligible for the insurance May 1 have already received enrollment cards for their signature. The cards should be examined for accuracy and returned to Employee Services Department. If there is a question about the card, you may call ext. 2-9157 for further information.

Issue Certificates

The insurance becomes effective the first day you are at work following the second anniversary of your employment. The insurance becomes effective automatically and is not contingent upon your signature. In the future employees who become eligible will receive their enrollment cards the month following the second anniversary of their employment. Certificates of insurance will be issued later to employees who sign and return the cards.

The group life insurance plan is underwritten by the Prudential Insurance Company of America.

You may name any person or persons as your beneficiary and change the beneficiary at any time by written request. Your beneficiary will promptly receive the full amount of your insurance in the event of your death from any cause.

Extend Insurance

If, before you reach the age of 60, you are totally disabled, and as a result your employment is terminated, your insurance protection under the plan will be extended for one year, or for a period equal to the time you have been insured if the period of coverage is less than one year.

If your employment terminates for any reason, other than total disability, the group life insurance will be paid in the event of your death within the next 31 days. During that 31-day period you may convert your insurance to another type customarily issued by Prudential at that time. No physical examination is necessary.

A big birthday party for the Coronado square dancers is being planned for Friday, June 29. There will be a full evening of entertainment, prizes and refreshments. A special invitation is being extended to the square dance instruction class. Watch for further news and announcements concerning this extra party.

June Weddings

June is the traditional month for marriages, and Corporation employees are busily making plans to help keep up the tradition.

This evening at the Base Chapel, Mary Marchionda, 1110 at West Lab, will become the bride of Duane Anderson, AEC. The couple will reside on the Base.

Jean Thompson, 2333, will be married to Jim Winter, 2415, June 15, in the First Methodist Church. Jean is from Electra, Tex., and Jim is a native Albuquerquean.

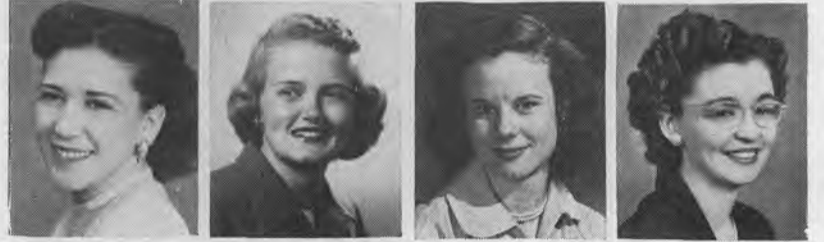
Frank Foss, 2464-4, and Yvonne Fay will be married June 16 in the San Miguel Church at Socorro.

Yvonne, who is a native of New Mexico, has been teaching school in Wagon Mound; Frank is from Toledo, Ohio. The couple are going to Mexico City for their honeymoon.

Helen Louise Trainer, 2222, and John C. Patchell will be married June 16 in the Fruit Avenue Baptist Church. John is employed by the Southern Union Gas Company.

Theresa Gonzales, 2113-4, and Cpl. Leon Owen were married May 5 at the Immaculate Conception Church. Leon is stationed here on the Base.

DeeDee Kirby, 3152, will be married tomorrow to Cpl. Sherry Smith. The wedding will take place in the Kirby home.



Mary Anderson DeeDee Kirby Jean Thompson Theresa Owen

Erythrocytometer, Rouy-Photrometer, Monocular Microscopes—They're Here

Laboratory tests for pre-employment physicals, special check-ups, and various diagnostic tests keep two laboratory technicians, Constance Frey and Judy Clark of 3160, busy in the small medical laboratory at West Lab.

Count Off

Complete blood counts—red, white, hemoglobin, differential, and sedimentation rate, are taken in addition to other analyses, and blood chemistries.

The laboratory was put into operation in December, 1950, when Judy unwrapped the glassware and set up the equipment. Connie joined her in February.

The latest in equipment is found in the medical workshop, some of which is not found in many hospital laboratories. Such devices as the International Centrifuge, Chainomatic Balance, Hade-Hauser Erythrocytometer, Rouy-Photrometer, and monocular and binocular microscopes would confuse most of us, but these instruments enable the girls to make accurate and complete tests.

Blood Is Whirled

One of the largest instruments is the International Centrifuge which is used for spinning-down blood. Whirling samples at 3000 r.p.m., it separates components of blood and shows what percentage of the blood the cells constitute.

It usually takes two hours of work

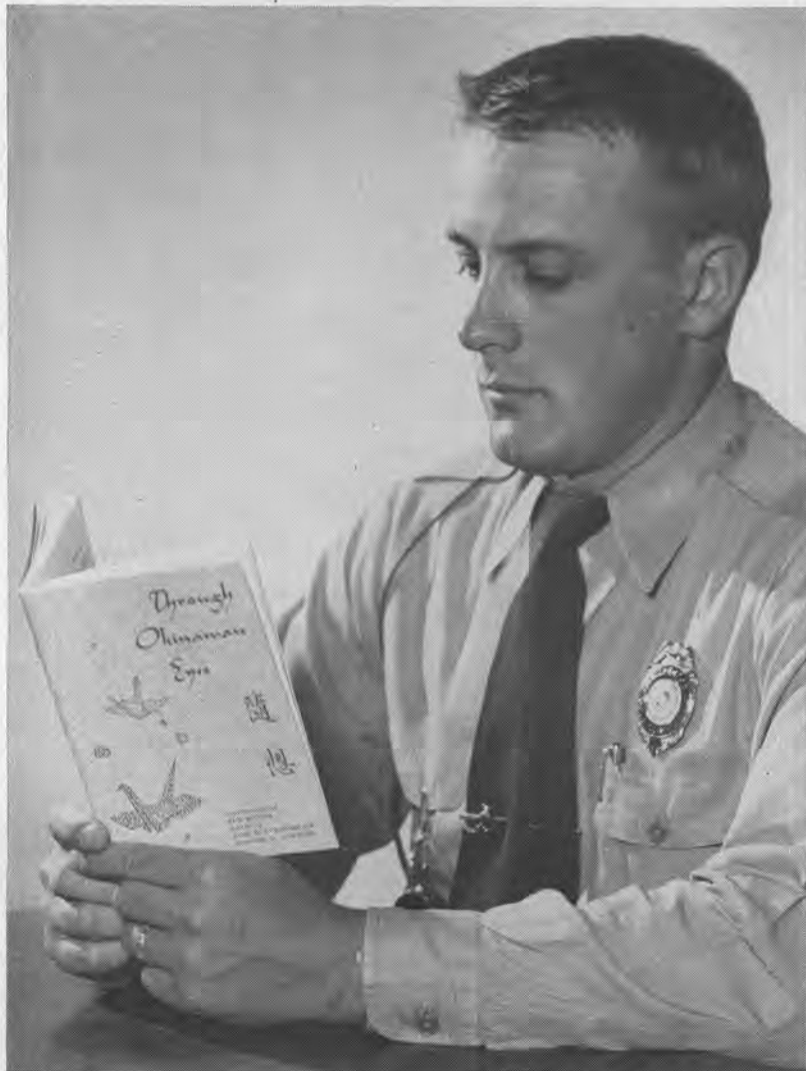
for a thorough blood check of each specimen, says Judy. Blood is taken from the arm, enabling them to make a more accurate and complete test than from a finger prick. Whenever the results don't look right, they do that part of the test over.

They also have a complete chemistry lab which includes items ranging from powdered glass to hydrofluoric acid.

Worked in Museum

Judy claims Farmville, Va., as her home town. She spent four years at Antioch College, Yellow Springs, Ohio, and two at the University of New Mexico where she majored in biology. She has worked for the Chicago Natural History Museum and the General Foods Research Labs.

Connie came to Albuquerque from New York City where she did research work at the Columbia Presbyterian Hospital College of Physicians and Surgeons. She received her B.A. in biology at Wells College, N.Y., and at one time worked as a research assistant in blood work at the New York Hospital which is Cornell's medical school. She also did graduate work at Columbia University and Hunter College in New York City.



A NEW BOOK BRINGS BACK OLD MEMORIES to Security Inspector Fred S. Brooks, a veteran of 30 months army service. "Through Okinawan Eyes," a publication of the University of New Mexico Press, is studied by Fred after one of his tours of duty for Sandia Corporation. Deep interest is shown by the World War II veteran in what the natives of Okinawa think of his country, for he spent the three most critical months of his life in their country. Wounded, hospitalized and returned to combat in the Okinawa struggle, Fred, an infantry rifleman, brought back many tales of the country and has found the book a fascinating account of a far-away people looking at us.



BUSILY AT WORK in their laboratory at West Lab are Constance Frey and Judy Clark of 3160. Judy, left, is getting blood for a slide in order to make a red cell count. Connie, right, is reading a volumetric index of the blood from which the sedimentation rate is worked out.



SWIMMING IS BETTER THAN EVER this year at the Coronado Club pool and Billie Peterson, 4135-1; Wanita Wright, 1514; and Beverly Sganzi, 2252, are right there to enjoy it. The pool opened Memorial Day and has been popular every day since.

Golf League

Standings as of May 26 are as follows:

A League

Team 3, Pierson, Dierks, Johnson, won 7, lost 1; Team 8, Freshman, Cavanaugh, Hess, won 6, lost 1; Team 7, Hickey, Campbell, Jones, won 6, lost 2; Team 1, Cocke, Benish, Fellows, won 5, lost 3; Team 9, Skinrod, Hines, Kidd, won 5, lost 3; Team 5, Quirk, Ahl, Ryan, won 3, lost 5; Team 2, Book, Nelson, Morrison, won 3, lost 5; Team 4, Hook, Angus, Weldon, won 1, lost 6; Team 6, Dadian, Jorgenson, Wheeler, won 1, lost 5; Team 10, Cone, Clamp, McCarthy, won 0, lost 6.

B League

Team 8, Horne, Sr., Deuschle, Price, won 7, lost 1; Team 1, Fornero, Snyder, Porter, won 6, lost 2; Team 3, Thomas, Johnson, Kennedy, won 5, lost 3; Team 2, Clark, Robertson, Priore, won 4, lost 4; Team 6, Hicks, Williams, Sharp, won 4, lost 4; Team 9, Horne, Jr., Anderson, Baumgartner, won 4, lost 4; Team 10, Northrup, North, Moffett, won 4, lost 4; Team 5, Hopper, Hunnicut, Siglock, won 3, lost 5; Team 7, Brooks, Lindell, Lasky, won 3, lost 5; Team 4, Palmer, Jobe, Spriggs, won 0, lost 8.

Mobile Support Unit Seeks Volunteers To Work In Spare Time

Sandia Corporation employees who are officers of the Albuquerque Civilian Air Patrol are looking for volunteers to devote some of their spare time to working with a CAP Mobile Support Unit. Jack Fullerton, commanding officer of the unit, A. H. Perry, executive officer, and Tom Muzzey, training officer, are putting out a call for ground and air personnel to fill the ranks of the organization, which will go into

Day Nursery Opened On Sandia Base June 4

The Welfare Committee of the Women's Club has opened a day nursery on Sandia Base for children between 6 months and 6 years of age. A nurse is on duty at the nursery, which is next to the chapel, and periodic inspections are made by a doctor from the Army hospital.

The nursery is open from 7 a. m. to 5 p. m., and meals are served at the noon hour for 25 cents per person. Hourly rate for one child is 25 cents, 40 cents for two children, and 50 cents for three or more children. The meal is extra if the child is in the nursery during lunch hour. Daily rates are \$2 for one child, \$3.50 for two, and \$4.50 for three or more children. This includes lunch and a maximum of 10 hours baby sitting. Monthly rates are \$35 for one, \$60 for two, \$75 for three or more.

The nursery is open every day except Sunday. Those who have placed their children in a nursery elsewhere for the month, but plan using the Base nursery at the beginning of July are requested to notify the nursery as soon as possible.

The committee would like to borrow equipment for use in its rooms.

Further information may be obtained by telephoning Captain Arthur, Post Commandant, ext. 2-1222.

action in event of a disaster.

Among the types of people needed are nurses, doctors, automobile and motorcycle drivers, first aid workers, mechanics, radio operators, food handlers, pilots, and men to staff ground reconnaissance teams, anti-sabotage patrols, and fire fighting groups.

Anyone interested in devoting part of their spare time to this activity may call A. H. Perry, ext. 5137.

Unbeaten Indians Scalp Pirates 8-5

The Indians and the Pirates, both unbeaten teams, collided last Friday, and the Indians came away winners, 8-5.

Lee Schulz, 1211, the Pirates' pitcher, hit the only home run of the game in the first inning. However, the Indians took the lead in the beginning and stayed ahead all the way. At one time they led 7-1.

Most of the Indian runs were made on errors. They had about two hits to the Pirates' five.

Team standings as of June 1 are as follows:

Team	W.	L.	Pct.
Indians, 2123-6	7	0	1.000
Pirates, 1210	7	1	.875
Cubs, 2231-2232	3	4	.429
Yankees, 2235-1	5	1	.833
Tigers, 2122	3	4	.429
Red Sox, 2242	3	4	.429
White Sox, 2113	2	4	.333
Cardinals, 1500	2	4	.333
Dodgers, 2234	1	4	.200
Browns, 2430	0	7	.000

Square Dance News

Friday, June 1, Coronado square dancers had their first June dance with Dick and Betty Brown as host and hostess. Dick was also emcee for the evening. A large crowd enjoyed the dancing and entertainment, which featured a Specialty Box Dance.

Due to a change in the June Calendar the third square dance was given Tuesday, June 5, and the fourth lesson will be given on Tuesday, June 19, at 8 p. m.

The next regular square dance will be Friday, June 15, at 8:30, with the Duke City Cowboys present to furnish the music. All Coronado square dancers are urged to attend.

Sandia Radio Hams Explain Their Hobby

Sandia Corporation radio hobbyists played an interesting part in the recent Sportsman's Show presented in Albuquerque. They operated a transmitter at the Ice Arena, where the show was held, and sent messages to all portions of the United States for visitors at the exhibition.

Chairmen in charge of the exhibit were Ernest A. Martin, W5PSG, AEC, and Stanley Hirsch, W5OUO, Corporation employee. Other Corporation people who assisted in the show were Joe T. Knight, W5PDY; Mrs. Willa D. Braffett, W5PKL; J. Brooks Braffett, W5NSN; Frank A. Hoover, W5LQW; H. H. Patter-

son, W5DAH, and Dalton W. Savage, W5OZD.

Other club members working at the exhibit were Mrs. Thelma Ferguson, W5IGO; Bruce Butler, W5PXN; George Hawkins, W5NWI; Charles Metz, W5RFL, and Dr. Howard W. Meredith, W5PQA.

Transmitters used in the show were furnished by Mr. Patterson and Dr. Meredith. Other members of the club provided many pieces of equipment used by amateur radio operators and assisted in explaining them to the interested visitors.



A LOUD SHIRT DAY contest was held recently in 2243. Roy Winters, 2243-1, was awarded first prize for the most original shirt. His ensemble included large shoulder pads and a big black buckle. Second in the contest was Rudy Sadler, 2243-1, and Claude

Whitney came over from 1211 to win third prize. Contestants from left to right are: Bob Hobson, 2243-1; Claude Whitney, 1211; Roy Winters, Rudy Sadler, George Zimmerman and Dick Miller.



AMATEUR RADIO OPERATORS explained the activities of "hams" to visitors at the recent Sportsmen's Show in Albuquerque. Left to right are Stanley Hirsch, 2113-5; Joe Knight, 2242; Carl Carlberg, 2211; and Mrs. Thelma Ferguson, AFSWP.

Classified

FOR SALE—

Furniture, living room, dining room, bedroom—4 39-inch Hollywood beds; Hot-point refrigerator and washing machine; 4-burner Magic gas range; dishes for six; bookcase; nite stands; chest of drawers; lamps and a number of other items, 16-inch table model TV set with matching table; one boys' bicycle and one girl's bicycle. C. H. Gray, ext. 33236 or Alb. 5-8112, 616 N. Adams.

1947 Buick Super 4-door or trade for older car. New WW tires and lifeguard tubes, with radio, heater, spotlight and sunvisor. Perfect condition, \$1150. Lee Jarvis, ext. 28239 or Alb. 5-5373.

Dining room table with extra leaf and four matching chair with red plastic seats. Will sell for \$35. Halliday, ext. 21273.

1948 Crosley Pickup, low mileage, cheap transportation to and from work or for shopping, 3/4 ton capacity. O'Connor, ext. 25235 or Alb. 4-2021 after 5 or week ends.

One standard size panel interior door with hardware, never used, \$13; one officers model 38 target pistol, 6" barrel, like new, \$65. Collins, ext. 6209 after 3 p.m. or 804 S. Cagua Dr.

Boy's bicycle, 26" new tires and tubes, refurbished like new, \$25; Powell P-48 scooter 5 H.P., excellent condition, \$125. Frances Gross, ext. 21242 or Alb. 5-3383.

1948 Chevrolet convertible, radio, heater, seat covers, white sidewall tires, excellent top, brand new motor (new car guarantee), terms or trade, make offer. William C. Kraft, 3130 40th St., Sandia Base, ext. 33276.

Two white sidewall tires, 670 by 15. Edward Mould, ext. 23255.

Portable radio and 78 record player 17x 14x8 1/2 inches, imitation leather cover, fair condition, best offer. Sculptured 3-way silver floor lamp, cost \$43, \$18. New white leather low platform wedge kick-erino pumps, scalloped trim. Long 6 1/2 B (about a 7B minus). \$6.50. Fence, decorative only, 3 feet high, 2x4 with cross-bars for best offer. Decorative air humidifier planters with cone evaporation, \$4.90. N. Tendall, ext. 23195.

FOR TRADE

Lightweight aluminum lawn mower, for boy's bicycle, Carl Carlberg, ext. 21246 or Alb. 5-6583.

RIDE WANTED—

To the West Coast, preferably San Francisco, June 15 or 16. Will help drive. Hank Willis, ext. 7155.

1400 East Central starting June 11, Bernice Gustafson, ext. 22152 during day.

3600 West Central Monday through Friday to Tech area or West gate of tech area. Lucille I. Myers, ext. 5145.

608 W. Taft (2 blocks west of N. Fourth) to Tech area and return. Jennie Howard, ext. 33254 or Alb. 2-7454.

3500 block Las Lomas to East or South Gate of Tech area 7:30 to 4:30, 5 days a week, or would be willing to get into a car pool. L. Thompson, ext. 25235.

5100 N. Fourth. Clory Valdez, ext. 33159.

SPECIAL NOTICE

Photographs tinted in oil colors, natural looking, reasonable, Helen Nielson, ext. 7138.



SANDIA BULLETIN



Vol. 3, No. 13

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

JUNE 22, 1951



1776 July 4 1951

"When in the Course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another, and to assume among the powers of the earth, the separate and equal station to which the Laws of Nature and of Nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation.

"We hold these truths to be self evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness. . . .

". . . And for the support of this Declaration, with a firm reliance on the protection of Divine Providence, we mutually pledge to each other our Lives, our Fortunes and our sacred Honor."

Thus read a portion of the Declaration of Independence signed July 4, 1776, by John Hancock, president of the Continental Congress, and Charles Thomson, secretary. And so it reads today.

Our determination to safeguard those rights and privileges is the reason we are at Sandia and the reason our fighting men are on the battlefield in Korea. Our lives are being guided by our faith in God and our adherence to the principles set forth in the Declaration of Independence. The United States stands today as a world leader among nations in a time of grave crisis because we have never lost sight of the high ideals of humanity so eloquently proclaimed in the Declaration of Independence.

Old Glory! Long may she wave,
O'er the Land of the Free,
And the Home of the Brave.

Magicians Produce New Ideas Hoping To Fool Each Other

Old tricks with new twists and new and untried ideas will be presented by members of the Albuquerque Magicians Club at a meeting July 6, in an attempt to stump each other. The group will gather at the home of P. F. McCanless, 120 Arapahoe Ave., at 8 p. m., Leland Sangster, president, has announced. William G. Jenkins, 2241, is expected to become a member at this meeting. Clarence Hickman, 1270, joined the Club at their last meeting on June 1. Other members from Sandia Corporation who will attend are Leland Sangster, 1134; Charles Dodson, 4221; A. H. Spengeman, 4134; James L. Dossey, 1264, and Art Perry, 2462-1.

Sandia Radio Club To Participate in Emergency Drill

Saturday and Sunday, June 23 and 24, more than 20 members of the Sandia Base Radio Club will participate in an emergency communications drill sponsored by the American Radio Relay League.

The drill will be held near the village of Sandoval, 15 miles northwest of Albuquerque on the Rio Grande. Co-chairmen Bernard Cassidy and Lt. Edward English are urging members to come out for the event, especially the "CW" men. Because of the full weekend schedule caused by the drill the meeting for Monday, June 25, has been postponed.

Coronado Board Plans Full Recreational Program for Members

The new Board of Directors of the Coronado Club launched a well-rounded program of activities this week, getting into high gear immediately after the spirited annual meeting held June 11.

Dave Tarbox, elected president in a runoff vote, announced the names of chairmen of four standing committees which will carry the bulk of the activity-planning responsibility. Following the precedent set by the retiring board, the president named non-board members to head the committees. Certain board members will exercise general supervision over the various programs, but committee members will be selected from the club membership in an effort to stimulate wider interest and participation.

The committee chairmen are:

Leo Dunn, 1281, entertainment; Ted Sherwin, 3125, publicity; Geneva Bishop, AEC, furnishings and decorations; and Don Jenkins, 3152, bingo.

Duties Outlined

Vice-president Bill Kraft, a carry-over from the retiring board, will have general responsibility for membership and activities; Earl Pace, new secretary, will serve as liaison officer between the Board of Directors and the Coronado Club manager; and Treasurer Earl Baumgartner will keep the club on a sound financial keel. Other members of the board elected last week are: W. E. "Doc" Rehbeck, Carl Lindquist, Goldie Tibbs, Sam Johnson, Willis Jobe, and L. M. "Jerry" Jercinovic. Harold Sharp and Daniel Worth were reappointed to represent Sandia Corporation and the AEC.

Retiring president Ed Brawley, who conducted the annual meeting, expressed his appreciation for the support and cooperation he had received throughout the year from the Board of Directors. Members of the outgoing board received this week a letter signed jointly by George A. Landry, President of Sandia Corporation, and George P. Kraker, AEC field manager, commending them for their faithful service during the club's first full year of operation.

Efforts Appreciated

Although such unselfish service brings few material rewards, the letter read in part, "we want you to know that your efforts are recognized and genuinely appreciated."

During the past year the board made only one change in the by-laws of the club. Members rejoining the club after having let their membership lapse now pay only two months back dues, instead of being required to pay dues for the entire interim period.

Special Birthday Party for Coronado Club Square Dancers

Reservations are now being taken by the Coronado Square Dancers committee, Phil Dailey, Marion Tucker, Ed Frasher, Dick Brown, Bill Dickson and Doc Rehbeck, for the special square dance birthday party to be held on Friday, June 29, at the Coronado Club. The instruction class as well as the regular square dancers is invited. Guests are urged to make their reservations early with admission \$1 per couple to cover the cost of prizes and refreshments. Special entertainment is planned and everyone will have an exceptionally good time.

The regular square dances for July will be held on the 6th and 20th of the month.

Commodore Worth Named to Succeed Admiral Kraker in Sandia AEC Post



Daniel F. Worth



George P. Kraker

Two changes in assignment of top AEC personnel at Sandia Base have been announced by C. L. Tyler, manager of the Santa Fe Operations Office for the Atomic Energy Commission. George P. Kraker, former Sandia field manager for the AEC, has been appointed deputy manager of Santa Fe Operations to assist Captain Tyler and Daniel F. Worth, Jr., who has been assistant to Admiral Kraker, will succeed him as Sandia field manager.

Commodore Worth, in his new capacity, will represent the AEC in administering the contract of the AEC with Sandia Corporation and also will serve as AEC contact with the Armed Forces Special Weapons Project and the Air Force Special Weapons Command.

A third appointment, affecting the organization at Los Alamos, was announced at the same time. Elmo R. Morgan, formerly assistant to Captain Tyler at Los Alamos, has been named manager of the new Los Alamos field office. He will direct all AEC activities at Los Alamos after the transfer of the Santa Fe operations office to Albuquerque.

Movement of the Santa Fe operations headquarters from Los Alamos will begin in mid-August and transfer of all units will be completed by November 1. The operations office will occupy buildings which now house the West Laboratory of the Sandia Corporation. Organizations now occupying the West Lab will be moved to quarters on Sandia Base.

Sandia Ordnance, Research Personnel Play Major Role at Eniwetok Tests

An official announcement made last week by the Atomic Energy Commission disclosed the successful completion of "Operation Greenhouse" at the AEC's Pacific Proving Ground located in the remote Marshall Islands on Eniwetok Atoll. The operation was conducted by Joint Task Force Three commanded by Lt. Gen. Elwood R. (Pete) Quesada. The task force was composed of Air Force, Army and Navy units and civilian personnel drawn from many government agencies and contractors of the Atomic Energy Commission.

Sandia Corporation engineering and research personnel played a major role in the operation and reported to Dr. Alvin C. Graves of the Los Alamos Scientific Laboratory, who was deputy commander for scientific operations of the Task Force.

Sandia employees who participated in the vital tests worked many long hours and under difficult conditions to gather a mass of information about new atomic weapons. Sandia Corporation ordnance testing personnel were fully responsible for some weapons aspects of the test. Other responsibilities included engineering and planning of certain test facilities and telemetering of vital test data.

Members of Sandia Corporation's Research Organization were concerned chiefly with the measurement of the effects of atomic weapons on various type buildings. The many months of painstaking preparation and work by these Sandia people was rewarded in achieving complete success of all phases of the Cor-

poration's activities on this assignment.

There were many joyous reunions of families as the last of Sandia's "Greenhouse" crew returned last week. Many are now on vacation enjoying a well earned rest with their families after the many months of lonely waiting. The average time spent overseas by these employees was approximately four months, and several people were away for seven months.

The work performed by Sandia ordnance testing personnel in "Greenhouse" was aided by past experience gained during the Nevada tests performed earlier this year, and from previous Pacific tests at Eniwetok and Bikini. A number of Sandia people who participated in "Greenhouse" had experience on these earlier tests.

Mrs. A. L. Dyer Is New President of Toastmistress Club

Mrs. A. L. Dyer was installed as president of the Turquoise Toastmistress club on Sandia Base Wednesday, June 20, at the Officers' Club. Other officers whose term will begin July 1 include Beth Krajovic, vice-president; Mrs. A. J. Kruz, secretary; Mrs. C. L. Lindquist, treasurer, and Mrs. E. L. Deeter and Mrs. Nate Wineberg, club representatives. Installing officer was Mrs. L. H. Stradford, junior past president.

SANDIA BULLETIN

Friday, June 22, 1951

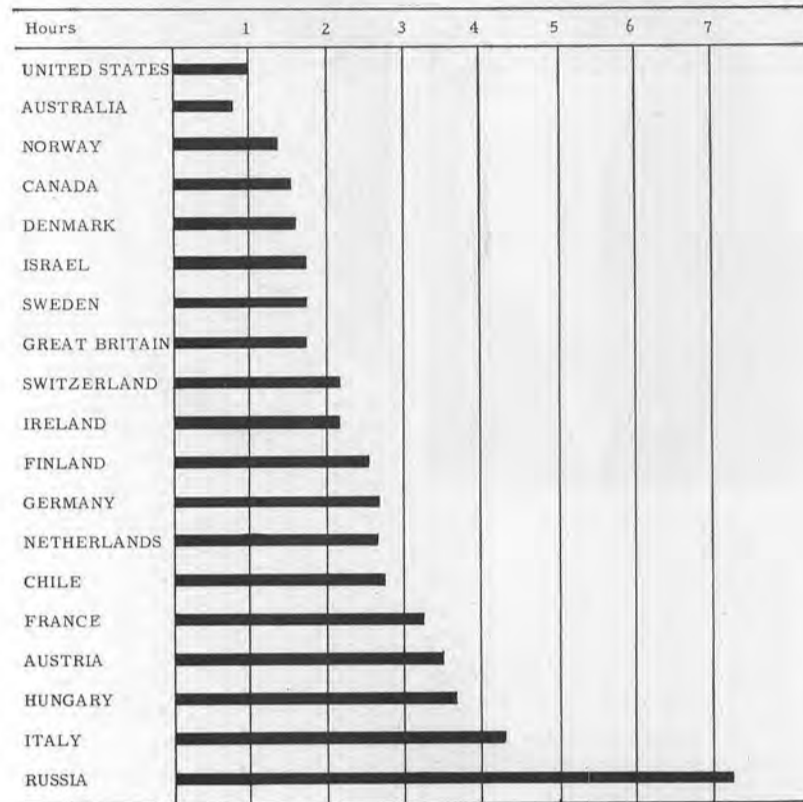
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Robert S. Gillespie, Editor

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Telephone Ext. 25253



You Work Less to Buy More Food

In twenty minutes the average American factory worker in 1950 could earn enough money to buy a pound loaf of bread, a quart of milk, a pound of potatoes, and a pound of sugar. To purchase the same quantities, the average industrial employee in 18 other countries had to work all the way from 23 minutes in the case of Canada, to 3 hours and 24 minutes in Russia.

These examples are taken from a recent study by the Bureau of Labor Statistics of the relative purchasing power, in terms of food, of the hourly earnings of industrial workers in the United States and a number of foreign nations. A common list of foods was set up, including various items under the general headings of cereals and bakery products, meats, dairy products, and vegetables, and some others. Then for each country an hourly earnings figure was obtained which compares roughly with the Bureau's series on average hourly earnings on U. S. manufacturing. Figures in most instances are for some month in 1950, although late 1949 data were used for a few countries.

The diagram shows the results of the survey, by countries, for all the foods combined. The top bar represents the given quantity of food which could be bought in 1950 with the earnings from one hour's work by the average factory worker in the United States. The other bars indicate how long the average industrial employee in the respective foreign nations had to work in order to earn enough to buy the same quantity of food. As the Bureau points out, such international comparisons are difficult and subject to a wide margin of error. Also, food is only one of the numerous factors affecting the well-being of workers. But since food is the most basic of human needs, the diagram does furnish an interesting yardstick of the scale of living in the different nations.

The work-time required in 1950 to buy a given quantity of food was less in Australia than in the United States, but for all the other countries it was more. In six, it varied between one and two hours, with Norway and Canada leading in this group. Six more nations fell between two and three hours, and in the remaining five the work-time was more than three hours. In Russia, as indicated by the lowest bar, industrial employees had to work more than seven times as long as those in the U. S. to buy the same amount of food. The survey also shows that purchasing power of hourly earnings in terms of food advanced more in the U. S. between 1937 and 1950 than in most of the foreign countries.

As between nations the true comparison of living-standards is not what citizens earn, but what they can buy with their incomes. Under our private enterprise system, with its constant emphasis on the development of new and better tools of production, the scale of living of American workers has advanced for many years to a point which today is well ahead of that for the world in general.

Coronado Club Schedule

- (Clip this program for handy reference)
- Saturday, June 23—Summer informal dance, Joe Cata orchestra, 9 p. m.
 - Tuesday, June 26—Arthur Murray dance instruction, 8:30 p. m.
 - Saturday, June 30 — Semi-formal dinner dance, \$2.50 per person, 9 p. m.
 - Tuesday, July 3—Bingo.
 - Wednesday, July 4—Holiday, enjoy yourself.
 - Friday, July 6—Square dance.
 - Saturday, July 7—Informal dance, 9 p. m.

AROUND THE DEPARTMENTS

Marion Gallagher, 2220, left last Saturday by Sky Coach for Los Angeles where she will visit her folks. She hopes to spend a few days at Lake Arrowhead and will probably return with a beautiful tan from sunning at the beach.

Hope Garcia, 2471, is convalescing at home after a major operation. Co-workers send greetings of "get well soon."

Mr. and Mrs. B. L. Schmedeman, 2235, are the proud parents of a daughter, Susan Raye, born June 12.

Mr. and Mrs. H. A. Tendall have two black and white kittens, one male and one female, that they are trying to find a home for. Anyone interested can call ext. 23195 or see them at 3194 West Sandia Dr.

Herman Williams, 1294, is batching it these days. His wife and children have gone to Dayton, Ohio, for a visit. His only comment is, "It's rough!"

Bill Herford, 1295, and wife went to the Grand Canyon, Boulder Dam, Petrified Forest, Painted Desert and Las Vegas on their vacation last week.

Francis Shea, 2234, and his sister, Margaret Barth, are having an informal reception June 25 in honor of their parents, Mr. and Mrs. Joseph C. Shea, who have been married 50 years. The couple was married June 25, 1901.

E. J. Whitmore of 2235 is a mighty proud father these days. His son, Elmo J. Whitmore, Jr., was promoted to corporal. Cpl. Whitmore is stationed with Fleet Marine Force at Camp Pendleton, Calif.

Leonard Barlow, 2243, working with 2234, has a house full since his Boxer had eight pups. He has been offered \$100 apiece for a choice of two of the pups.

Welcomes are extended by 2461-2 to Charlotte Allen and Herbert Ashby, new employees.

Gene McCormick, 2461-2, spent her vacation time in El Paso, Tex., visiting her sister.

"Diamond Jim" Hook, 2210, relieved the customers of a few "phony bucks" at the Monte Carlo night games held last Saturday evening.

The 2210 roster changes. Robert T. Foster, the department's veteran, transferred and Richard C. Hickman moved in.

Mrs. Evelyn Wade, 2210, has vacationed for the past week. We understand she stayed at home and occupied herself with household duties.

Frank Dewey, 200, is taking advantage of the opportunity to get his woodworking shop in shape while Mrs. Dewey and their daughter are vacationing with relatives back east.

Welcomes are extended to new employees in 1280. Colleen Allison who is from Louisiana will be in 1280, Stanley Howard from Arizona and A. W. Reger, West Virginia, will be in 1281. Those to work in 1282 include Robert O'Connell who has returned after two years in school; Ronald Hayenga came here from Kansas; Robert McConkie, of Albuquerque, and John Reimholz, Arizona.

Personnel of 1280 extend their sympathy to Owen McCabe whose mother died recently in Connecticut and to Chuck Harris whose father-in-law died in Indiana. Both have gone back to the funerals.

Billie Braffett, 3153-1, has returned from a week's vacation visiting her family in Clinton, Okla.

Duard "Duke" Nowlin, 2242, was fishing at the Log Pond in Bernalillo recently and on throwing out his line, embedded his hook in one of his fingers. It was 40 minutes and \$10 later that he walked out of St. Joseph's Hospital as good as new. He hasn't said whether he returned to his fishing.

Personnel of 2242 are glad to report that S. L. McCammon's wife, Alwena, is feeling much better and is home after a major operation.

Joe T. Knight, 2242, left on vacation Saturday morning, June 9, for Childress, Tex., and Memphis, Tenn. Joe being a "ham operator" and having a mobile unit in his car, should be able to pick up some new stations and keep his fellow hams here advised of his progress.

Maxine Lairmore, 2243-4, is beaming with happiness lately. Her son, Danny, is home for the summer from Patterson School for Boys, Legerwood, N. C.

Ed Jenkins, 2242, has been doing what comes naturally with him. He's been fishing again. This time he went to Colorado and upon his return said he caught a total of 25. Paul Krogdahl, 2112-1, Sam Johnson, 2232, and Dave Williams, 1121, at West Lab, were along but no report has been made of their success.

Personnel in 1710 report that it won't seem the same when Ginny Roy leaves. Ginny is transferring to 1621 where she will be a radio and teletype operator. She has been with 1710 (or SLM as it was known in the old days) for three years.

Gail Sievert, 2331, is the proud father of a son, Paul, born June 11.

R. L. Culley, 1624, and his wife, Helen, 3160, returned recently from their vacation. Bob and Helen went to Oklahoma City.

Sally Wood is welcomed to 1521-2. Sally has taken the place of Loietta Nemes, who has transferred to West Lab to work for Dr. Buell.

Department 1500 swimmers seen at the pool recently were Virginia Williams, Ann Morrow, Val Griffith, Mary Jane Lucas and Jo Owens. Jo was here on a visit from Penesco, N.M. She used to be division secretary of 1514.

Personnel of 2464-1 welcome a new editor, Edith Perry. Edith received her B.A. from the University of Akron and her M.A. from the University of New Mexico. She instructed in English part time while at the University of New Mexico and spent a year in public relations work for the Salvation Army in New York City. Prior to coming to work at Sandia, she was managing editor of the Leader in Albuquerque.

Some people just can't get enough winter! H. W. Maglidt, 4233, has returned from two weeks of fun and frolic on the West Coast, including a visit to Yosemite National Park, where the snow drifts in places were over his head. Laboring under the illusion that it was summertime, he and his family naturally were caught wearing summer clothing. He has picture proof of the snow drifts.

Mr. and Mrs. Allan Beck are the proud parents of a daughter, Ellen Louise, born May 30. Allan is in 1121 at West Lab.

Marie Ream, 1140, entertained visitors from Philadelphia, Pa., for about a week recently. She showed them the sights of the "wild and woolly" west.

Personnel at West Lab were sorry to bid Dr. John Cooper farewell recently. Dr. Cooper was here temporarily from Ohio State University.

Ernie Schwam, 1531, Bill English, 1283, and Gino Carli, 1282, had a wonderful week end recently visiting south of the border in Juarez.

Paul Adams, 1532, boasts of a new son, Paul, Jr., born June 10 and weighing 5 lbs., 11 oz.

Ted Morse, 1530, spent his vacation recently viewing the Grand Canyon and the bright lights of Las Vegas, Nev.

Margo Gordon, 2130, is taking her vacation to be with her husband, Mickey, who returned from nine months overseas. Mickey is having quite a time getting acquainted with his daughter who was just six weeks old when he left.

Earlan Koehler, 2130, is using his vacation to complete some building on his home. He is adding two bedrooms, a bath, a garage and a workroom. According to plans he has, he won't have a house but an estate when he gets through.

Jack Mafit, 3152-1, spent an enjoyable week fishing in the northern part of New Mexico, mostly around Taos. Jack returned with 100 fish and a good tan.

Maxine Enos, 3153-1, went on a shopping trip to Juarez, Mexico, and also visited the Carlsbad Caverns during her week vacation.

Helen Malloy, 3152, spent a week visiting friends in Amarillo, Texas, and several days at the Grand Canyon with her sister from Pittsburgh.

Dee Dee Kirby Smith, 3152, is back at work after a one-week honeymoon. Dee Dee was married June 9 to Cpl. Sherry Smith.

Personnel Department is happy to welcome Richard Reed, Joan Longhurst, Anne Nutter and Kay Langford to the staff.

Walter Dzegan, 3152-1, has returned from 30 days temporary duty at Salton Sea. Walt replaced Don Belmore, who is in Albuquerque for an operation.

Bill Funk, 3151, spent a week in Chicago recruiting for the Corporation. Bill visited Illinois Tech and commercial employment agencies and interviewed many good prospects.

Life again is worth living around the Bob Matthews' household. He brought his wife and new 8-lb. son home from the hospital last week. All three are doing fine. Bob is in 2465.

Esquipulo "Skippy" Baca, 2465, and family are touring the East on their long-awaited vacation. They plan to "do the town" in New York City and visit Niagara Falls, among other points of interest.

Three rebels—Bob Hopper, Ed Downing, Ward Hunnicutt—and one yankee—Walter Scott—all of 2130, were fishing at Conchos recently. They reported good catches, but are not talking much about the coon hunting which was part of the trip. Bob claims the coons ate the biggest fish.

Mary and Bob Schwartz are ignoring the "call of the open road" for their vacation this year and are staying home. Mary is in 2461-3 and Bob, 2243-1.

Sandia Base Kindergarten Council has announced that the Kindergarten will be discontinued effective June 30 because of insufficient funds. The nursery school which opened June 4 is in the kindergarten building and is being financed and governed by the Sandia Base Woman's Club.

Seeing New Mexico on Weekends



176,000 ACRES OF PURE WHITE GYPSUM is the sight which greets the eyes at White Sands National Monument in southern New Mexico. It's a breath-taking sight and well worth the trip this week end.

The trip to White Sands National Monument is not an easy one-day trip, but may be combined with a trip to El Paso and Juarez for a pleasant weekend jaunt. This article is another of a series running in the Bulletin which may be of interest to Sandia Corporation employees.

White Sands is a little bit of Sahara, only more beautiful and more accessible to motorists in this country. The most direct route from Albuquerque is south on Highway 85 to Highway 380 at the village of San Antonio and then east to Carrizozo. At Carrizozo turn south on Highway 54 and drive 57 miles to Alamogordo. White Sands National Monument is 15 miles south and west of Alamogordo on Highway 70.

The trip from Albuquerque to White Sands adds up to approximately 222 miles. Alternate routes to White Sands may be taken from

Albuquerque, but this route will get the motorist to his destination faster and over better roads.

Arrival at White Sands will be a breath-taking experience, for your eyes will fall on 176,000 acres of pure white sands which are ever drifting and changing with the winds. The high dunes in fantastic shapes are 100 per cent pure gypsum, a phenomenon found nowhere else in the world.

The sands have the beautiful background of the towering San Andres mountains, and they stretch over a 40-mile front. The United States has built headquarters offices and a museum on the location.

The White Sands area is of special interest to Sandians, for it was here that the first atomic bomb was exploded July 16, 1945. The exact site of the test is not open to the public as it is a portion of the Army's White Sands Proving Grounds.

Salton Sea News

There were four promotions to supervisory positions at Salton Sea recently. A. L. Pierson has been named section supervisor of 2483-1. J. J. Annis has been promoted from patrol sergeant to section supervisor of 2481-1. L. R. Wilson is a new division supervisor heading 2482. D. P. Fifield was promoted from section supervisor to division supervisor of 2483.

Fay M. Bragg, 2482-1, is enjoying a visit by his 26-year-old son, Colin R. Bragg, home on a 30-day rotation furlough from Japan, where he has been stationed since last November. Mr. Bragg has not seen his son since August, 1950. Colin was recalled to service last fall after spending four years with the Navy amphibious forces during World War II. The elder Mr. Bragg is also a veteran of two wars, World Wars I and II.

Herbert Stroud, room clerk at the San Felipe Lodge, has been in bed with a foot ailment since Monday, May 21. He hasn't minded it too much—on several occasions he's had breakfast served to him in bed by his boss, no less, Alvie Coughlin,

manager of the lodge. But the nurse says Herb will be back working for Alvie very soon.

Donald A. Belmore, 3122, has left Salton Sea Base for Albuquerque where he will enter the Veterans Hospital for an operation. Don missed one plane ride to Albuquerque and in his rush to make the next plane he left his laundry. Don has also left behind a host of friends who are wishing him all success with "Operation Belmore."

"Boots," 2480, is the proudest mother on the base; she gave birth to five good-looking offspring that everyone wants to adopt. The canine population here is increasing faster than a census taker can count.

Luther Oldham and Thomas L. Pace have left the base to return to school.

Gladys Keller, 2480, and Lloyd R. Wilson, 2483-1, have been left behind for several weeks by their vacationing spouses. Lloyd is trying his hand at that home cooking, and Gladys has decided to take a vacation from it, preferring cafe fare for a change.

INQUIRING REPORTER— Would You Marry A Girl for Her Money or Looks?

HENRY C. STRAUSS, 3123-2. To



marry a woman for either of these reasons would be fine. I, however, do not think that either is a sound basis for a successful partnership. Man and wife should have many things in common in order to enjoy life together. For the above reasons, I would answer the question in this manner: I would use neither as the sole basis for choosing a wife.

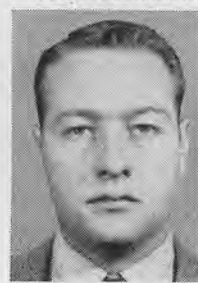
THOMAS J. HOBAN, JR., 1623.

I'd pick a girl with looks, naturally, because I don't know any girls in Albuquerque with money. Of course, if she had money, I wouldn't hold it against her.



VAN THOMAS EDSALL, 4132-3.

I would marry a girl for money. I don't think I have to elaborate. It's obvious that money is a good enough reason. You'd get tired of looks but never of money.



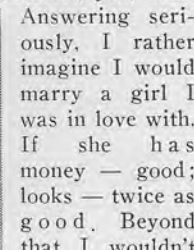
SANFORD "ROGEY" ROGOFF,

While both of these factors are most significant, I don't believe either of these is of the greatest importance. Consideration of the little things by both parties is the prime factor. Without this a marriage cannot be successful. Possibly consideration implies love; if this is so, then you have my answer. If you have these things and money too—so much the better.



GEORGE D. HORNE, JR., 4122.

Answering seriously, I rather imagine I would marry a girl I was in love with. If she has money—good; looks—twice as good. Beyond that I wouldn't care to say anything.



ROBERT J. GORE, AEC. Most

of the girls I know are good looking but as far as I know they aren't exactly rich, so I really can't say that I've ever been up against such a situation. Send one around with a little money and let's see what happens.



Coronado Club's Chef Cooks for Best But Still Prefers His Wife's Cooking

When Liaquat Ali Kahn, prime minister of Pakistan, visited the United States last summer he stopped off at the Sky Room of Lockheed Airport in Burbank, Calif., for a light snack. He started off with a melon cocktail supreme followed by clear turtle royal pompano, boneless squab

commis saucier, handling sauces, roasts and soups.

By 1930 Carl was a full-fledged cook. He came to America and found the job at the Norwood Country Club. Although that was more than 20 years ago he still remembers the night Oscar of the Waldorf threw a banquet there and had a long talk with Carl in German.

Stuffed Prime Minister

After finishing these few tidbits, the Prime Minister staggered to his feet and offered his compliments to

Mentioned by Winchell

Four years later Carl went to California after cooking in such famous restaurants as the Piping Rock Club in Saratoga Springs, N. Y., often mentioned by Walter Winchell, and the St. George Hotel in Brooklyn, one of the largest hotels in the world.

In California Carl cooked for the stars at the Malibu Inn and at Thelma Todd's Chez Roland near Santa Monica. But perhaps his most exciting job was as broiler chef at the opening of Glen McCarthy's Shamrock Hotel in Houston, Tex. There the menu included such choice items as *pate de pheasant en aspic* and *supreme of pompano Normandie*.

Carl's specialty is German dishes, such as sauerbraten and Hungarian goulash, which is also his favorite meal. He also specializes in curried foods of all kinds. Carl keeps a file of menus from places where he's cooked and places where he's eaten to draw on in planning his own menus.

Monte Carlo Cook

This file includes menus collected on jobs at the Monte Carlo Hotel in Miami Beach, Fla., the Artists' and Writers' Club, the Bolivar Hotel in New York, and of course, at the Sky Room where he began working for the Anderson-Dunham company, Coronado Club restaurant concessionaire.

Carl has a unique advantage among married men. He is one of that select fraternity that can go home at night and complain to the wife that he has been working all day over a hot stove. Carl is loud in his praises of his wife's cooking—and come to think of it, she would have to be an extra fine cook to stimulate the appetite of a man who has been working all day, as Carl does, surrounded by food.



Chef Carl Hermanns

the chef. The chef happened to be Carl Hermanns, the new major domo of the Coronado Club kitchen.

Pakistan's top official is only one of the many famous gourmets who have high praise for Chef Carl's culinary excellence. In fact, soon after he came to America in 1930, Carl helped prepare dinner for what is probably the most famous name in the nation, from a cook's point of view—Oscar of the Waldorf.

Carl was then working on his first job in this country, at the Norwood Country Club in Asbury Park, N. J. He was only 20 years old, with five years' experience in the kitchens of several German hotels.

Accent Helps Cooks

As is common all over Europe, a cook starts young and goes to a cooking school when not actually working. This, incidentally, is the reason an accent is a definite help to a cook in American restaurants. We seldom put our cooks through an intensive apprentice training period while teaching them the trade in school.

Carl began work at the Excelsior Hotel in Cologne when he was 14. During the next five years he worked in hotels throughout Germany in positions ranging from *commis gardimanger*, the cold food preparer, to

Metal Workers To Hold Dance

Members of the Metal Trades Council will hold a dance tonight at the Coronado Club from 9:30 to 1 a. m., Willis M. Jobe, committee chairman, announced recently. Admission will be \$1 per person and tickets will be sold at the door.

Sol Chavez and his 10-piece orchestra will play and 40 door prizes will be awarded, Jobe said. The prizes range from fishing equipment to electric toasters. It is not necessary to be present to win.



H. V. McNABNEY, 2480, AT SALTON SEA, and his son Bobbie go fishing in the mountains of California. This is Bobbie's first fishing trip and Dad is all set to show him how.



SO WHO CATCHES ALL THE FISH on this expedition? Why, Bobbie, of course, and here he displays a handsome catch as proof of his piscatorial ability.

These Gardeners Agree Mother Nature Cooperates But Needs Help in Gardens



CHANG LOOKS ON as William "Doc" Rehbeck cultivates the Mexican firebush plants in his front yard. Chang, the Rehbeck's Siamese cat, takes a proprietary interest in the garden at the Rehbeck's Sandia Base home. He keeps off all dogs, cats, and mice who might wander onto the property.



POINTING OUT CACTUS plants taken from the Sandia Mountains are Mr. and Mrs. Harold Brown. The many varieties provide a novel touch to their two-level back yard.

Scrap Lumber for Sale to Public at Sandia Corporation Salvage Yard

A considerable quantity of scrap lumber is available for sale by Sandia Corporation at the salvage yard near the AEC Motor Pool on Sandia Base. The lumber may be purchased by employees of Sandia Corporation and also the general public.

At present there is a large amount of scrap wood from broken and dismantled boxes and scraps from box-making operations. The terms of sale are as follows: \$3 for a three-fourths ton pickup truck load or a small trailer load approximately three feet high, four feet wide and eight feet long. One and one-half ton truck load, approximately 44 inches high and seven feet wide, costs \$5. On these terms loading is to be done without specific selection.

Where smaller loads are desired and selection will be exercised the price is one cent per pound and a minimum charge is 25 cents. For larger lots of selected pieces the price will be established by the salvage yard manager.

All sales are final and on an "as is" basis with first come first served. The yard is open Monday through Friday from 7:30 a. m. to 11 a. m. and from 12 noon to 4 p. m. The material is to be handled and loaded by the purchaser under the supervision of yard personnel. Any person who enters the yard does so at his own risk and the Corporation assumes no responsibility or liability.

Further information may be obtained by calling ext. 25235.

With patience, money, and an iron-clad contract with Mother Nature, you have a reasonable chance of turning the desert in your front yard into a lush garden.

Pat Turner, 2200, must have had all three, as anyone who has seen the riot of flowers surrounding her home will testify. In the front yard seed poppies reach to your shoulder, and in the back, red, pink, white and yellow roses compete with Canterbury bells, peonies, and brilliant iris.

Wars With Desert

Fighting the desert wasn't one of Pat's problems, but for Kay Naylor, 2111-1, it's been an uphill struggle with the mesa year after year. Each spring Kay and the desert launch new offensives and each fall Kay scores another victory in the form of a new patio, flower bed, or hedge.

Instead of battling the sand and wind, Harold Brown, 2112, simply went along with the elements and planted cactus. His back yard is built on two levels and the cactus bed runs completely across the plot on the slope between the two levels. The several types of cactus blooming in his garden come mostly from the Sandia mountains, where Harold collected them on weekend trips.

One of the finest little flower and vegetable gardens on the Base was planted by William "Doc" Rehbeck, 2241-2, and his wife, Betty. Betty founded the Sandia Base Garden Club and has been its president for several years. She supervises the flower scheme while Doc sprinkles rows of radishes, lettuce and herbs in amongst her taller plants.

Strain Beer Cans

As in cures for hiccoughs, all amateur gardeners have their own formulas for raising a lawn. Pat Turner and her husband Ellis, 1253, live on land that had been rental property for 20 years. After they moved here from Washington, D. C., in 1948, they had to spend two weeks digging up their yard and sieving out the old beer cans and scrap iron that had accumulated over the years.

Before they planted any seed the Turners had their soil analyzed. This is done free of charge by the Agricultural Experiment Station in town or by the Albuquerque Chemical Company. The test showed that iron was needed and so the Turner Lawn Formula was created. The ingredients are peat moss, fertilizer, soil iron, some sand to lighten the clay, and finally, the seed.

Kay and Harry Naylor moved to Albuquerque in 1946. Since they've been here, their garden has grown, and so has their family. They now have two boys, a patio, a dog, some shrubs, a cat, tree, rabbit, lawn, hedge, wall, and several flower beds.

Kay's recipe for a smooth lawn is to work fertilizer into the ground and let it set before planting.

Holds More Water

Harold Brown moved into his home last July and began planting a garden right away. Soil tests revealed that he also needed iron. Harold advocates a by-product of insulation material called Terralite. He says it holds 10 times as much water as peat moss. He planted blue grass and clover because it's easy to cut. Every two months he lays down a light dusting of fertilizer and once each year he sprinkles some soil iron over the lawn.

Doc Rehbeck's lawn was planted by the Base gardeners, but he had a soil test made for his flower-vegetable bed and found that sulphur was needed. He says that the year after he put the sulphur in the ground his vegetables were better than they had ever been before.

Ray Powell, 3150, participated in the New Mexico Conference on Social Welfare held recently at the University of New Mexico. Ray represented business in a forum on "Cultural Quilting in New Mexico." He also served as a consultant to the director of the conference, Eric T. Hagberg of the U. S. Indian Service, and worked with the coordinating committee of the conference.



PAT TURNER'S SEED POPPIES set off her front yard. Her first garden has proved a phenomenal success. With husband Ellis to do the heavy work, Pat has turned their home into a paradise of color.



KAY NAYLOR'S PET rabbit, Tippie, hops around a poppy plant in Kay's back yard garden. Tippie shares the garden with Kay, who works in 2111-1, her husband Harry, their two children, and a dog and cat.

P. E. Band Helps University Train Student Musicians

The Production Engineering Band will aid the University of New Mexico Summer Symphony Band in presenting a six week course in the techniques of directing a symphony orchestra, according to C. E. "Chuck" Foster, 2111, president of the P. E. Band.

Robert Dahmert, of the University Music School, will conduct the two-hour classes. The first rehearsal will be held Tuesday, 7 p. m., at the University Music Hall, Foster said.

Students will observe and participate in the direction and the P. E. Band will act as instruction subjects. The Band consists of Chuck Foster, Ben Jolliffe, 2112-2; Charles Strange, 2114; Phil Owens, 2112-1; Karl Zimmerman, 2112-1, and Travis Bogue, 2114-2.

Marriages and Engagements

The engagement of Bertha Irene Edwards, 2242-1, to John Berger, 2450, has been announced. The couple are planning an early fall wedding.

James M. Fisher, 4212-3, and Janice Thompson of Albuquerque were married June 2 at the home of the bride's parents. The couple spent their honeymoon in Borger, Tex., and are now residing on the Base.

William C. Holley, 2235, was married to Anna Lou Carson last Sunday, June 17, in the First Methodist Church. The bride is an Albuquerque girl. The couple are spending their honeymoon in Idaho.

John Tenbrink, 1283, was married June 2 to Opal Derley in Wichita, Kans.



Bertha Edwards

Victor Reano, Native Son, Lends A Hand to Uncle Sam

Victor Reano, 2241-1, has 50 acres of land in the Santo Domingo Indian Pueblo, but he also has a serious problem. There's no longer enough rain to make the farm profitable.

A proud, handsome, friendly, but quiet man, Vic is deeply concerned about the lack of water for his farm, but he has an abiding faith in the land, for it has provided a livelihood for his ancestors and he believes it will again some day serve him well. In the meantime, he is working for Sandia Corporation as a materials handler in 2241-1.

In the old days he used to get 900 bales of hay from his farm every year, but last year there were only a few bales. He has had to cut down the size of his herd of cattle as a result of the drouth and the feed shortage.

Vic and his wife, Ruth, and five children moved to Albuquerque when he went to work for Sandia Corporation. Two children are in school in Santa Fe during the school months. They are Trinie and Delphino. This summer Trinie is in Albuquerque helping her mother with the housework and Delphino stays in Santo Domingo looking after the farm.



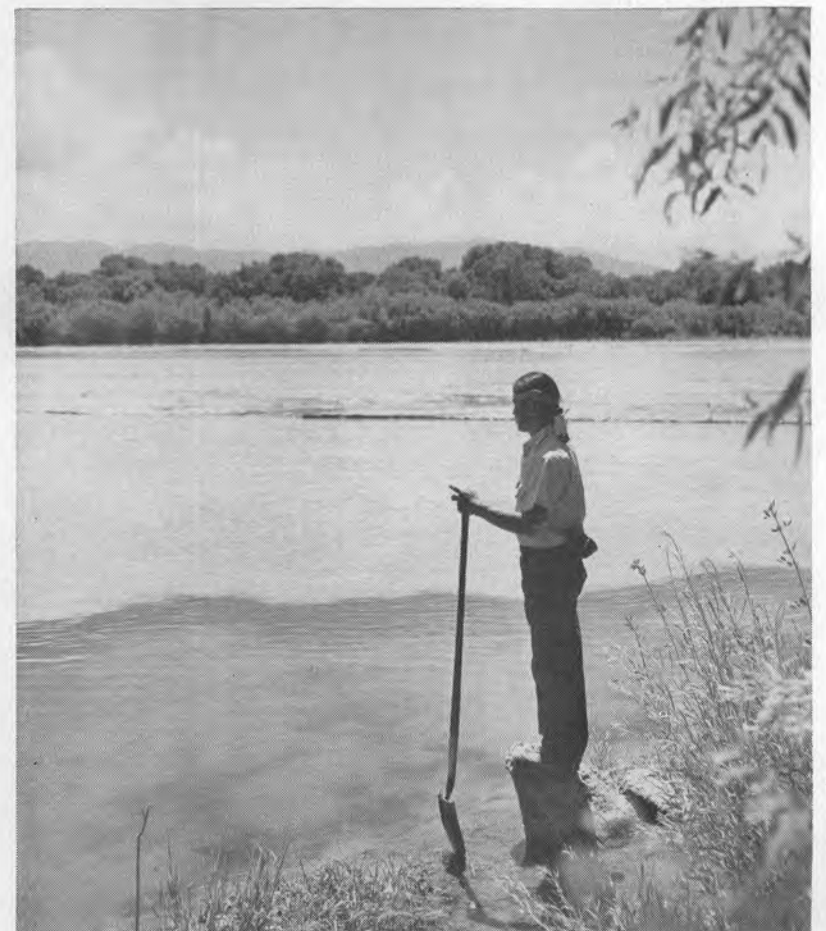
◆ VIC BUILT THE REANO HOME on the edge of Santo Domingo Pueblo, a spotless, comfortable, homey adobe brick building. The family stands before the house, L to R, Pete, Trinie, Tom (who takes a dim view of picture taking), Vic's wife, Ruth, Vic holds Marvin and next is Delphino. Vic is now at work on an addition to the home which will give it another bedroom.

VIC IS A COMPETENT fork lift operator. Strong, willing and cooperative, he is popular with his working companions and easily carries out his duties which would tire a man of lesser physical stamina.



◆ RUTH REANO, PICTURED HERE with her youngest son, Marvin, is a devoted mother whose thoughts are always with her children. Ruth and the youngsters live in Albuquerque now that Vic is working for Sandia Corporation. Weekends the family returns to the Pueblo to work in their home and on the farm. Albuquerque is fine, they say, but the happiest days are when they are all together at Santo Domingo.

A LOT OF WATER FLOWS past the Reano farm in the historic Rio Grande. But not enough may be taken for all 50 acres of Vic's land. The Indian's lot is not always an easy one, he reports, but then his forefathers did not have an easy life either. The transition from farmer to wage earner in one of the nation's most vital defense projects was taken in stride by Vic.





IT'S THE SAME EVERY TIME Mr. Borsht goes back East. He gets worried about hay fever back there.



GARY, THE SEVEN-MONTH-OLD SON of Mr. and Mrs. M. E. Thompson at Salton Sea, is the youngest member of the swimming set at the San Felipe Lodge swimming pool.

Classified

FOR SALE

1947 Fleetline Sport Sedan, Chevrolet, 8-tube radio, heater, sunvisor, new seat covers, 39,000 actual miles, A-1 condition, original owner, \$800. Galen O. Graves, ext. 33247 or Alb. 4-1813, 2427 Vicie Rd.

Two bedroom cinderblock home off Ridgecrest, 1033 S. Quincy, 1 block from Whittier school. Washing machine, dishwasher, fenced yard, \$2,000 down, assume FHA or GI loan. Terms possible. Phyllis Hoyt, ext. 31241 or Alb. 5-6607.

Webster-Chicago record changer. I. W. Lenz, ext. 6241, 1908 N. Commercial.

Camping trailer, \$75. Chuck Martin, ext. 4136 or Alb. 5-8030.

1946 Nash Ambassador 4-door sedan, radio and heater, makes into bed, total price \$595. Easy terms. R. E. Butler, ext. 29242.

1947 Ford two-door sedan, with radio, heater, new seat covers, new motor. A real bargain at \$790. Mr. Thomas Thompson, ext. 22248 or 22259 or Alb. 5-6577 after working hours or Sundays.

Motorcycle, Harley Davidson 1938 OHV, good condition, newly painted. Coy Dickens, ext. 7132.

Girls' 20" Bicycle—like new, \$25. Can be seen at 1822 N. Arizona, G. M. Austin, ext. 33236.

Two 50-foot residential lots on S. Princeton, all utilities, \$1100 takes both or trade for car. Also small house trailer, \$350. Charles Jensen, ext. 26142, 608 N. Dallas.

Baby Bed, solid maple, collapsible, with mattress, \$18. R. E. Glass, ext. 29155 or Alb. 5-9088, 314 N. Truman.

James 98 motor bike, 125 miles per gallon, like new, only 700 miles, \$175. W. R. Jaeck, ext. 5201 (3 to 11 shift) or see at 7443 E. Prospect.

1949 Chevrolet Styline 4-dr. Sedan, Sea-Foam green, with radio, heater, nylon seat covers. A one-owner car priced below downtown prices. Joe Hickey, ext. 26149 or see at 2133 N. Dickason, Inez Addition.

St. in Hoffmantown, \$95 per month; stove, refrigerator, 1 1/4 bath. H. Stall, ext. 26153.

Small apartment for rent, 2 room, private entrance, 219 S. Columbia, near University, \$10 a week. All utilities paid, Evelyn Harris, ext. 23141 or Alb. 3-5273 after 5.

Three bedroom home, stove and refrigerator furnished. Will be available June 23, can be seen at 2101 N. Palomas, \$95 per month. Mr. Thompson, ext. 22248 or 22259 or Alb. 5-6577 after working hours or Sundays.

RIDERS WANTED

South Carolina via Amarillo, Oklahoma City, Little Rock, Memphis and Asheville, Friday, July 20, after work in 1950 Ford. Have room for several passengers to share expenses and driving. James Stoll, ext. 25254 or Alb. 5-3630.

WANTED TO BUY

Foot locker, Fran Tennessen, ext. 22259 or Alb. 2-8049.

RIDES WANTED

5600 block on North Fourth. Eralia Carleton, ext. 21249 or Alb. 4-1093.

1000 block East Roma or 1000 block East Central. Gertrude Theiler, ext. 24250 or Alb. 8261.

North Girard and Marble or Mackland Dr. and North Dartmouth or car pool to Bldg. 894, Georgia Howard, ext. 28257 or Alb. 5-9489.

Miles Road, 1/2 mile west of Yale, Dale Bellamah housing project. Mary Vella, ext. 28143 between 7:30 and 4:30.

411 1/2 S. Bryn Mawr. John Reimholz, ext. 28152 or Alb. 5-7072.

4145 Mesa Verde Dr. Inez Carlomb, ext. 31241.

South Second and Stover. Carmie Smalridge, ext. 26150 or Alb. 9390.

2430 N. Madiera (South Bel Air). LaVerne Coudriet, ext. 23248.

War Takes People the Strangest Places

First to land an American plane in the Philippine Islands during the battle of Leyte Gulf in 1944 was W. A. "Bill" Gardner, 1283. General MacArthur, movie cameras, and reporters were on the landing strip to greet him. But it wasn't planned that way. Dick Bong, leading ace of the South Pacific, was to make the landing and be greeted by the General, but Bill stole the limelight when his plane was riddled with holes while strafing a Japanese cruiser. He had no choice but to take her down. Bong arrived 20 minutes later.

Bill flew 172 missions during World War II as a fighter pilot in the South Pacific and has an endless repertoire of tales. He remembers the time he had water buffalo for dinner and actually enjoyed it. He and some buddies were in the Philippines to purchase some bananas. One of the Filipinos asked them to stay for dinner and much to their surprise they were served buffalo liver and tuba (a native beer made from the tops of palm trees).



Bill Gardner

When Bill was ready to leave, the host, noticing how he relished the dinner, asked if he'd like some to take with him, and promptly handed him a tongue. After ten hours of boiling, plus addition of mushrooms and hot sauce sent from the States, Bill and another pilot finished the dish. His only comment: "It was better than Spam."

Back to civilian life and still eager for excitement, Bill became an engineering test pilot for the Propellor Division of Curtis-Wright Corporation in Caldwell, N. J. For two years he tested propellers to be used in future turbo-prop installations at transonic speeds. At that time, he says, they had no planes that were fast enough for testing props at transonic speeds, so instead of flying "speed power" curves horizontally, they used a "JUG" (P-47) and with special instrumentation got the top speed points for their curves in terminal velocity dives.

Concord, N. H., is Bill's home town, and he received his degree in mechanical engineering from the University of New Hampshire. His flying career started as a private pilot using light planes with skis in the hills of New England. When

he was in the Coast Artillery in 1941, he made application to the Air Force—he was promptly accepted and sent to Spence Field, Ga., for flight training. As a captain in the



MELANESIAN MAKE-UP may be fine in New Guinea, but Bill Gardner still prefers the American version. Bill took these pictures of natives while stationed in New Guinea during the early part of the war.

Fifth Air Force flying P-40's, P-38's and P-51's, Bill was stationed at Port Moresby, New Guinea, Dutch East Indies, and the Philippines.

Another of his favorite tales he learned when he and a companion pilot landed in a "Shangri-La" valley in the Mount Hagen range after a fighter sweep over the Japanese at Wewak. One of the Melanesian chiefs had swapped his daughter to another chieftain for a pig. The girl, after one week in her new surroundings, decided to go home to mama, and her husband's relatives were ready for a tribal war. They either wanted the pig back or the bride. They got the bride, for the pig had already been eaten.

Then there was the time they landed at Cape Gloucester on New Britain Island and moved inland to the side of a hill to make camp. During the middle of the night, they smelled sulphur and gas fumes and upon investigating discovered they had camped on the side of an active volcano.

Predictions Give Yankees, Indians Top Loop Places

At the end of the first round of play, the Sandia Corporation softball league is assuming a pattern that permits a few predictions. The Yankees and the Indians look like shoo-ins for the four team playoffs at the end of the second round.

It'll be a dogfight for the other two positions between the Pirates, Cubs, Tigers, and Red Sox. The Engineering Department Pirates have a leg up at the moment but injuries have plagued them all season. The Cubs, conquerors of the Indians, are potentially able to pace the league, as are the Red Sox, while the Tigers feature a steady play that can tip anybody's applectart.

Softball is 60 per cent pitching and the difference shows. The Indians are three deep, and the Yankees two deep in the all-important pitching department. Other Sandia teams are hampered by having to depend on only one pitcher.

For never quitting and scrambling through to victory on a shoestring, the Cardinals are due high praise. This bunch, without a front-line pitcher, has fought out three victories. Although they've absorbed six losses, it's never been without a last ditch fight.

The quality of play has picked up sharply since the beginning of the season. For example the Yankees and the Indians went to an extra inning last week before the Indians eked out a 3-2 victory.

If the wind isn't blowing, good entertainment will reward any fans who show up at the Corporation diamonds on Monday, Tuesday, Wednesday and Thursday evenings at 5:15.

The standings as of June 15 are as follows:

Team—	W	L	Pct.
Indians, 2123-6	8	1	.888
Pirates, 1210	8	2	.800
Yankees, 2235-1	6	2	.750
Cubs, 2231-2232	6	4	.600
Red Sox, 2242	5	5	.500
Tigers, 2122	4	4	.500
Cardinals, 1500	4	6	.400
White Sox, 2113	3	6	.333
Dodgers, 2234	3	7	.300
Browns, 2340	0	11	.000



NEW OFFICERS of the Coronado Club discuss plans for the coming year. Left to Right: C. J. Baumgartner, 4133, treasurer; Bill Kraft, 2211, vice president; E. C. Pace, 2312-1, secretary; and Dave S. Tarbox, 2410, president.



BACK INJURIES MAY BE AVOIDED H. B. Lambert, 3123, tells his audience. All you have to do is lift in the proper manner and your back will not suffer. Carol Algier, 4215, Jack Ray, 1531, and Allen Hobbs, 3123, watch as "Hoot" demonstrates proper lifting with

a robot man developed and built by A. B. Metzger, safety consultant for Sandia Corporation. The secret of safe lifting, the wooden man proves, is to keep your back straight and put the lifting strain on your legs.



SANDIA BULLETIN



Vol. 3, No. 14

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

JULY 6, 1951

Seeing New Mexico on Weekends



Photo by James Karo, 2462.

A VAST EXPANSE OF NEW MEXICO greets the eye when you reach the top of the Sandia Mountains. This view south shows the mountains behind Socorro, about 75 miles south of Albuquerque. On the clearest days it is possible to see over 150 miles up and down the Rio Grande Valley.

One of the easiest, and perhaps the most spectacular drives in New Mexico, is only a short distance outside the city of Albuquerque. This is the Skyline Drive, commonly known as "the trip to the crest." It takes you atop the Sandia Mountains 10,678 feet above sea level, where you may see 150 miles up and down the Rio Grande valley.

The Skyline Drive may be completed in half a day if you don't tarry too long. But don't hurry, the scenery is too spectacular, the view too breathtaking to leave. Here is a motor log of your trip. Leave downtown Albuquerque and head east on Highway 66. Read your speedometer at the underpass. When you have gone 16.2 miles turn left onto the Loop Drive, State Highway 10. At the 22.1 mile point turn left from Highway 10, staying on the loop drive. From there to the crest the road is unpaved, but maintained.

See Skiing Area

When you have gone 27.6 miles you will be high in the pine forests on the eastern slope of the Sandia Mountains, at the winter sports area

which has one of the finest ski runs in New Mexico. The forest service keeps the road open that far all winter long. The remainder of the trip can be made only in the summertime.

The road forks two miles beyond the ski run when you have driven 29.6 miles and the crest road is the left branch. At the junction the altitude is 8,652 feet. The crest will be reached when your speedometer reads 34.2 miles. There is ample parking space for your car. Get out and behold the awe-inspiring view. You are 10,678 feet above sea level.

Coronado Was Here

For the return trip drive back down the road to the fork and turn left to return to Albuquerque by way of the town of Bernalillo. At the 61.2 mile mark you will be in Bernalillo, near the site of Coronado's camp in the winter of 1540-1541. Travel south on Highway 85, past the Sandia Indian Pueblo at the 65-mile reading on your speedometer and complete the trip in downtown Albuquerque after a drive of 78.4 miles.

The drive may be made from June to October. There are many picnic sites along the road. And keep your eyes open; you'll probably see some of the game which abounds in the forests.

Sandian Awarded Scholastic Honor By U of Kentucky

Gino Carli, 1282, has received word that he has been named recipient of the E. B. Ellis award for outstanding scholastic work at the University of Kentucky College of Engineering. The



Gino Carli

award, which includes a check for \$100, is given each year to the senior who had the highest grades while a freshman and sophomore. Gino graduated from the University of Kentucky in January, 1951, with a bachelor of science degree in electrical engineering, and joined Sandia Corporation in March.

Born in Pennsylvania, Gino graduated from the New York City public schools and worked for an electrical engineering firm in New York for seven years before going to college.

The letter from Dean of the College of Engineering informing him of his award reads in part:

"Each year the College of Engineering awards the E. B. Ellis Prize in the amount of \$100 to the graduating senior who made the highest scholastic standing during his freshman and sophomore years.

"I am very happy to inform you that you are the recipient of this honor for the 1951 class of graduating engineering students. May I offer my hearty congratulations to you and compliment you upon the record you have made throughout your college career here at the University of Kentucky. The college of engineering is proud to number you among its many fine graduates."

June Employment Statistics Show New Hires Came From 23 States

One hundred and sixty-eight new employees started work for Sandia Corporation during June, figures compiled by the Employment and Personnel Department show. There were 115 men and 53 women.

Indicating that the Corporation is a young man's organization is the average age of the new employees: 31 years for men and 25 for women. One hundred and twenty-five of the men and women hired during the month were married. They have an average of two children per family.

College degrees are held by 57 of the new employees. Of these 26 graduated in June, 1951. Bachelor of science or bachelor of arts degrees are held by 43 men and women, 10 have master's degrees and four have Ph. D. degrees.

New employees for the month of June came from 23 states. Following are the states represented and the number of employees from each:

New Mexico, 112; Texas, 8; New York and Wisconsin, 7; Colorado, 6; California, Indiana and Kansas, 4; Arizona, Illinois, Iowa and Michigan, 3; Massachusetts, Utah and Wyoming, 2; Alabama, Kentucky, Minnesota, Mississippi, North Dakota, Ohio, Oklahoma and South Carolina, 1.

Statistics compiled from personnel records show that technical employees of Sandia Corporation are graduates of 130 different colleges and universities in 43 states and Canada, Peru, Scotland, France and Norway.

New Features Added To Coronado Club Activity Schedule

Summer festivities are in full swing at the Coronado Club. The new entertainment committee under the stewardship of Leo Dunn issued the July calendar of activities this week, adding some new attractions.

Square dancers will hold sway tonight in the ballroom, and a regular informal dance will be held tomorrow night with Rita's orchestra providing the downbeat. Rounding out the busy weekend will be another Sunday evening buffet dinner and dance—the only one scheduled this month. Get a party together and have the time of your life and a real feed.

The committee is offering an evening of Canasta next Thursday, at a quarter per player, and bridge the following Thursday.

Other attractions for the month are two more free Arthur Murray dance instruction sessions, a beach party with barbecue and dance, and an evening of watching old fashioned flickers. The complete calendar for the remainder of the month is printed below.

- Friday, July 6, Square Dance.
- Saturday, July 7, Informal Dance.
- Sunday, July 8, Buffet Dinner Dance.
- Tuesday, July 10, Square Dance Instruction.
- Thursday, July 12, Canasta Party.
- Saturday, July 14, Informal Dance.
- Tuesday, July 17, Ballroom Dance Instruction.
- Wednesday, July 18, Bingo.
- Thursday, July 19, Bridge Party.
- Friday, July 20, Square Dance.
- Wednesday, July 25, Old Fashioned Flickers.
- Saturday, July 28, Informal Dance.
- Tuesday, July 31, Ballroom Dance Instruction.

A Close Brush With Tragedy Ends Happily for a Sandian and Her Son

Dolly Willis, 4131, had occasion to be a mighty worried mother recently, but providence wrote a wonderful ending to her long days of anxiety.

Son Goes to Korea

Here's the story:

Dolly's son, Guy, worked for Sandia Corporation in 1500 and when the Korean war broke out, he reenlisted in the Navy. He was assigned to the destroyer Walke which sailed last January from San Diego for Korea.

For several months Guy wrote his mother regularly, telling of the ship's long trips up and down the Korean coast in which they supported shore action. Short periods of rest were enjoyed in Japan by members of the crew while the ship was refueled and supplies taken on. Then they'd go back to the war zone.

The last letter Dolly received from Guy while he was on board said that it would be two more weeks before they returned to Japan. About June 10 Dolly received word that Guy was to be transferred from the Walke and assigned to a Navy unit at Sandia Base. Dolly was delighted that her son was coming home to be stationed here.

Hears of Explosion

At noon, June 14, Dolly was listening to a radio newscast and heard the report that the destroyer Walke had been damaged by an underwater explosion with 26 men killed and seven injured. Then there was no more news. She did not know if Guy had been transferred previously or if he was still on board.

Two days later a member of the Associated Press staff in Albuquerque telephoned her that the list of dead did not contain the name of her son.



Guy Willis

Still no word arrived to tell if Guy had been injured. Dolly carried on with the theory that no news is good news. She stayed at work and kept her worries to herself. After a few more days she received a letter from a Roswell, New Mexico, amateur radio operator that a message to him told that Guy was on board a tanker headed for Japan on the day the Walke was damaged.

After another day a pack of letters arrived from Guy. He had received his orders June 8, left the Walke shortly after that and will be in Albuquerque July 15. After a 20-day leave with his wife and family he will report to duty on Sandia Base.

And that is the happy ending of the story of Dolly and her son Guy.

Travelers Cheques Available at Low Rate to Employees

Now that vacation time is here everyone is getting ready to grease the car, pack a suitcase, round up the youngsters and take off on the open road. Vacations cost money, and that's no news, so it is a good idea to protect your money while away from home.

American Express Company Travelers Cheques may be purchased at the cashier's office in Building 830 at a special low rate. To employees of the Corporation the cost is one-fourth of one percent of the face value of the checks—that is 25 cents per \$100. They are available in denominations of \$10, \$20, \$50 and \$100 for personal use.

Employees who are planning to leave on their travels immediately after work may cash their vacation pay checks at the Financial division and receive Travelers Cheques for them. Vacation pay checks are ready Friday afternoons after the banks have closed and this service will permit travelers to make an early start.



A PERFECT HOT WEATHER JOB is demonstrated by Wesley Haig, 1532, and Charles Grassham, 1531, as they check performance of equipment in 20 degree below zero weather. They don't mind this cold and frost too much. The cold chamber can be regulated to a temperature as low as minus 65 degrees Fahrenheit and sometimes they work in that frigid climate.

SANDIA BULLETIN

Friday, July 6, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253

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Motoring Manners . . .

It was known as gallantry in the old days and at the present it is courtesy, but no matter what the title, today it is taking a beating. Put a Sir Galahad or a Sir Walter Raleigh at the wheel of an automobile and there is an even chance he will lose some of his good manners.

One of the unexplainable phenomena of our times is that many perfectly rational, polite, gentlemanly people turn into Terrible Tempered Mister Bangs when they take a wheel in hand. It happens every day, but no one knows why.

The gentleman who would gladly step off a sidewalk into ankle-deep mud to let a lady pass turns into a demon when protecting his right-of-way on the highways. He'd gladly wait to let a dozen women come out of a door, but he would risk a mashed fender to get into the line of traffic at the intersection of Ridgecrest Drive and Gibson Avenue.

This peculiar human trait extends to some women motorists too. Though she protests when a gentleman offers her a seat on the bus she expects rights far beyond the motor vehicle code when driving in traffic. She may pride herself in speaking softly and kindly to friends and strangers alike, but unnecessarily she will jar the eardrums of an unsuspecting pedestrian with a blast of the car horn.

We're not trying to diagnose this strange human behavior nor are we trying to point a finger at any one man or woman. We are merely commenting on an existing condition. One final observation: when the motorist gets back to the normal courtesy he practices when not in an automobile a lot of accidents will be avoided.

Salton Sea News

Welcome to Misses Yvonne Jeanette Young and Valerie Ann Young, daughters of Mrs. Jeanette Young, auditor for Fred B. Prophet Co., San Felipe Lodge, who have just arrived to spend their summer vacation.

Salton Sea personnel are enjoying weiner roasts on the patio, square dancing, and buffet dinners. Ted Sprink really cooks a fancy hot dog on his portable charcoal broiler. Speaking of food—words can't describe the look and taste of the dishes being put out by Chef Sylvia Absher, First Cook George Maurer, and Baker Frank Arganian, for the buffet dinners.

Salton Sea Base personnel express their sympathy to Melvin A. Reynolds for the recent loss of his father.

A safe driver is one who lives longer and happier, obey traffic rules and use your head.

Two Sandians Go to Air Force and One Recalled by Marines

Three more Sandia Corporation employees have recently entered military service. Roy Tauche, 2124, was recalled in early June to duty with the Marine Corps. Loren T. Edmondson,



Tauche



Edmondson

Jaramillo

2331, left June 18 to rejoin the Air Force. He was a reservist and was recalled to active duty. Benjamin Jaramillo, 2415-1, went on military leave last week to enlist in the Air Force.



MOVIES AT SALTON SEA BASE are enjoyed by employees and their families each Wednesday evening at the San Felipe Lodge. Ed Rideout and Norman Richardson, both 1614-2, operate the projectors showing full length features. Above Ed is threading the second projector while Dewey Stout, 1614, makes the dual changeover which he designed for a continuous show.

Five employees were welcomed to 1220 recently. Dick Pershing transferred into 1222 from 2224 and Marie Hubbs transferred to 1220 from 2122. New employees are: Jim Coger, 1221, from Pampa, Tex.; Roger Baroody, 1221, from Laramie, Wyo., and Duane McClelland, 1222, from Grand Forks, N. D.

A snowy vacation made Louise Fornero, 1220, and her husband glad to get back to New Mexico after visiting Yellowstone National Park.

There'll be much huggin' and kissin' when Arlene Breslin meets her husband Bob who is on his way home from Korea. The couple plans to head for a vacation in Ruidoso as soon as Bob gets home. Arlene works in 1221.

Personnel of 2464-2 put out the welcome mat recently for three new employees: Roy Goolsby, Wilma Bird, and Shirley Jeffers. They are all from Albuquerque.

Mexico City is getting a big pay from Sandia Corporation vacationists. Mary Pattillos, 2464-2, and her husband have probably met lots of other Sandians on their vacation in that tourist's paradise.

"It's a girl," Lin Price, 4120, is button-poppingly proud to announce. The Prices also have another child, a little boy.

A. D. Gragg, a new employee, was welcomed into 1132 recently.

Ed Domme, 4231, homesick for the ol' homestead in Kansas, made a hurried trip to Topeka recently for a family reunion.

Bob Cox, 4233, after making a recent trip through the scenic mountains of Colorado, has become an ardent enthusiast for the state. His co-workers have been busy pointing out the compensating features of New Mexico.

Bob Schmuck, 4232, was a confused man last week it is reported. He received a document so highly classified that it was marked "destroy before reading."

4230 extends a welcome to Mrs. Rosalie Walker, a new member of the organization. Rosalie, and her husband Clyde, who works in 1621-3, have been in Albuquerque for a year. Previously their home was in Oklahoma.

George Shambaugh, 2430, is back from his Grand Canyon vacation. He has some fine snapshots as a memento of a wonderful vacation.

Best wishes and a speedy recovery to Mrs. Klienlen who has been ill. Al, her husband, works in 2432.

Congratulations are due LaVern Dourte, 2433, on his recent marriage.

There are two new car owners in 2430. Roland O'Trimble is sporting a new 1951 Ford and Dave Hake has a new 1951 Plymouth.

Danny Padilla, 2433, and Bill Husted, 2432, are back on the job looking rested and raring to go. Bill vacationed with his family in Muskegon, Mich., and Danny spent his vacation at home in Albuquerque, just taking life easy.

John Daniels, 2233, recently received word that his 70-year-old mother in Portales fell and broke her hip. She is getting along fine after her accident and is expecting to make a rapid recovery.

W. E. Myers, 2234, has been elected commander of Disabled American Veterans Post No. 3 in Albuquerque.

Willie Reed, 2233, owns two farms near Athens, Tenn., and reports that he has the finest sprinkler system in the world. Good old Jupiter Pluvius handles the task admirably.

Lela Vaughn, AEC, is now vacationing and visiting at her home in Muleshoe, Tex. Coy Dickens is also on vacation and is spending her days with her family in Poplar Bluff, Mo.

AROUND THE DEPARTMENTS

Bob Borah, AEC, had an accident recently while returning from El Paso. His car hit a horse which wandered onto the road. The car was damaged some, as was the horse.

Mr. and Mrs. Harry Weber are proud of their new son, Stephen Von Weber, born June 22. Harry is with the AEC at Sandia.

Margie Bolton, 3153-1, spent a week's vacation entertaining relatives from Graham, Tex.

Mildred Ness, 3153-1, spent a week's vacation in Chihuahua, Mexico. Mildred's husband was home from the University of Wisconsin for a week between semesters.

Neta Tyler, 3153-1, spent a week fishing and resting at Red River, N. M.

Jim Hinsdale, 3151, spent three weeks in Michigan and Tennessee visiting relatives.

Peggy O'Byrne, 4231, returned from Baltimore, Md., where she and her husband spent their vacation. While in Baltimore they celebrated their eighteenth wedding anniversary. Peggy's husband, Thomas, is stationed at Sandia Base with the Military Police.

Joining the ranks of the new fathers in 2232 is Robert W. Hughes. He and Mrs. Hughes became the parents of a fine daughter recently.

Recent vacationers in 2232 include M. W. Daniels, A. F. Randall, C. N. Puthoff, K. G. Foster, E. L. Gunn and Sam L. Johnson.

Co-workers in 2230 welcome Wanda Mae Hughes back to work after her long illness.

The New Mexico enchantment was really appreciated by Monte and Margaret Lawton on their return from a vacation in Oklahoma. They were deluged by heavy rains during most of the trip. Monte works in 2130.

Leonard DeLang's parents got a good look at historic points of interest in New Mexico during their short stay here recently. Leonard, 2130, acted as guide on forays into the surrounding country.

A picnic held by 2130 last Sunday at La Cienega Canyon in the Sandia Mountains, featured sports in the morning, food at noon, and relaxation to a background of recorded music during the afternoon.

Department 2114 and friends threw a picnic in Tijeras Canyon on the road to Mountainair recently. Baseball, horseshoe pitching and singing, with Chuck Strange, Rudy Ebacher and Barney Spohr alternating on the guitar, were included on the agenda of entertainment.

Ruth Larsen, 2461-3, with her husband and three children, left Monday for a long awaited vacation in Southern California.

Irene Heck, 2461-3, recently enjoyed a visit from her father, mother, brother and sisters. She is now on her vacation and is seeing Juarez and other points of interest with friends.

Mrs. Ruth Reynolds, 2462, was honored at a baby shower last week by two of her co-workers, Irene Heck and Iva Atkins.

Margaret Hood was welcomed as a new member of 4213-1 recently.

Lucille Montoya, 2461, is on vacation with her husband. They are visiting relatives and friends at Flagstaff, San Francisco, Vallejo, Santa Barbara, and Riverside. In Los Angeles they're going to visit relatives of each other that they have never seen before.

Francis L. Shea, 2234, is now on vacation and is seeing the sights of Chicago this week. He will also do some visiting in Milwaukee before returning.

Sally Leyba and Leo P. Apodaca were married June 29 in St. Therese church in Albuquerque. Leo's father, Solomon Apodaca, works in 2234. Leo works in 1267.

Joy Hunt, 2235, has finally consented to let her husband, Sgt. C. Hunt of Kirtland Field buy a new Oldsmobile 98.

Department 3150 welcomes Eileen Tixer and Charlie Goltermann. Eileen is replacing Bennie Wheatley who is leaving Monday to be a full-time housewife. Don't be fooled by the names "Charlie" and "Bennie"—they're both girls!

Will Ann Lamsens, 3153-1, is on the sick list. She had her tonsils removed and is getting along nicely.

Liz Wallick, 3152-3, is busily getting settled in her new home. A new house wasn't enough, so she got a registered Springer Spaniel named "Babette".

Mr. and Mrs. Linden Price are mighty happy about the arrival of their new daughter, Jo, born Monday, June 18. Linden works in 4120.

June 15 was a great day for Security Inspector Vivian Montoya and his wife. On that date they became the parents of a fine boy. Co-workers in 2452 offer their congratulations.

Marguerite Giannettino, 3125, has returned from vacation in San Diego where she and her husband, Pete, had a grand time absorbing the California sun.

Roy Dunlap, 2462, returned recently from his vacation trip to Ohio. Roy and his family report they had a good time back in the mid-west, but were glad to get back to New Mexico. Roy has lived in Albuquerque for many years.

Bill Kunetka, 3122, left last week with his family for a vacation in his home state, Texas. His travels are taking him on to New Orleans where he will visit for a few days.

U. M. Karpen, formerly division supervisor of 2416 has been named supervisor of the newly formed division 2471.

Fond memories of Albuquerque will be dimmed slightly for Clarence Meyer of Efficient Engineering Company, who completed several months of service in Department 1250 recently. Two days before he was to leave on vacation, before returning to the office in Detroit, his car was wrecked in a collision at Copper and Morningside. Clarence was able to obtain a new car, and started his vacation a few days late after recovering from a back injury sustained in the accident.

Carmie Smallridge, 3125, is vacationing in Southern California this week.

Virg Harris, 1622, reports that his wife, Milly, is making a satisfactory recovery at home after a serious operation recently.

Betty Moore has taken over 1710 department secretary, replacing Ginny Roy who transferred to 1621. Betty was employed in 1241 prior to coming to 1710. She attended Oklahoma University for two years, and then went to business college in Oklahoma City. Her husband is a staff sergeant in the Air Force, and they have an 8-year-old son. The Moores live on the base.

Walter Hook, new technical art director for 1713, hails from Missoula, Mont. Recently he was an instructor at the University of New Mexico in the Fine Art Department. Before that, he taught mathematics and physics at the University of Montana and later was a communications officer in the Navy. Walt is quite a good artist. Right now three of his water colors are on tour in Illinois, two others are on tour in Alabama, one is in the Denver Art Museum, and two oils and one water color are in the All-Albuquerque Show. Walt is married and recently purchased a home on South California.

YOUR HEALTH

Pulse Rates and Death Rates



A BLOOD PRESSURE TEST is performed on Martin Lucero, 2461, by Nurse Irene Palmer at the Sandia Corporation dispensary.

When a pretty nurse takes a man's pulse, chances are the patient is more interested in her big blue eyes than in his pulse rate. Few people think that a "fast" or "slow" pulse is of any great importance. Actually, as the speedometer which indicates how fast your heart is working, your pulse beat is something to watch pretty carefully.

At famed John Hopkins University in Baltimore, Md., Dr. Raymond Pearl, outstanding U.S. authority on man's length of life, has discovered through study of thousands of pulse records that there is a definite relationship between pulse rate and length of life. Long-lived persons averaged two fewer heart beats a minute than short-lived persons, a saving of over a million beats in a single year.

Taking a little closer look at the speedometer and the pump it is clocking, here's what we find. The healthy heart in an adult pumps about 70 times a minute, producing a pulse rate of 70 beats a minute. This adds up to 4,200 beats an hour,

100,800 a day, 36,792,00 a year. Nine to ten tons of blood go through the blood vessels, day in and day out.

Although we can't give the heart a full-time vacation, we can do much to ease its load. Suppose, for example, we cut down on our daily pace enough to save the heart two beats a minute over a year's time. By doing this we would actually give our heart the equivalent of a ten-day vacation. And a good night's sleep—eight hours—will save about 7,000 beats a day, the equivalent of a 25-day heart vacation once a year.

Much has been said about the effect of long-lived ancestors on a person's span of life. Heredity is a factor, but one that we can't do much about. On the other hand, we can build up our life reserve by giving our heart a break through adequate daily rest and relaxation, moderation in eating and drinking, facing problems with a little more decision and a little less worry, cutting down on that incessant inner drive before it reaches the "nerves" stage and finally, by obeying the distress signals when they appear. Let your doctor help you keep your life account solvent.

Sandia Radio Club Contacts 500 Hams In Field Day Test

More than 20 radio hams, including many from Sandia Corporation, participated in the nation-wide radio communications field day held recently as an exercise for civil defense. The 24-hour experiment took the Albuquerqueans to the community of Sandoval where they established contact with some 500 amateur radio stations throughout the United States and Canada.

Co-chairmen Bernard Cassidy and Lt. Ed English wish to extend their thanks to the many people who helped make the undertaking a success. They also wish to thank the McKee Trailer Sales for their generosity in loaning a trailer for use during the period. Members of the radio group report it added much to the success of the venture—it contained a well stocked kitchen.

Fried Chicken and Western Songs at Engineer's Picnic

A picnic featuring horseback riding and a chicken fry was held recently by the New Mexico chapter of the Institute of Radio Engineers. Frank Grosvenor, 1134, strummed his guitar while the picnickers sang Western songs. B. J. Bittner, 1132, turned the presidential gavel over to T. S. Church during the festivities. Among the West Lab personnel present at the affair were: George Arnot, 1134; George Oltman, 1132; Dan Locus, 1132; A. Perkins, 4211; Bob Chesnut, 4211.

Does Your Face Reveal Your Job ?



(A) Frank C. Ewing



(B) Allene Poindexter



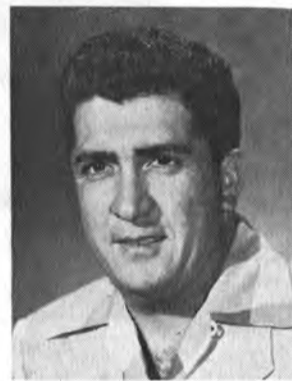
(C) Jose C. Anaya



(D) Stella Snyder



(E) Evelyn Wallace



(F) Matt Joe Bustos



(G) Ilva Baldwin



(H) Julian Sanchez

What's My Job ?

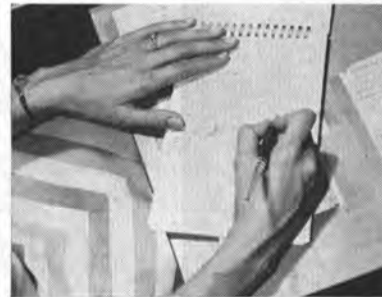
Can you look at a person and tell what kind of work he or she does? To test your skill at matching faces with jobs, try this game. The hands of the people pictured above are engaged in their work in the pictures below. If you match seven you are an excellent judge, five is good, three is poor. Answers are on page four.



(1) Janitor



(2) Fork Lift Operator



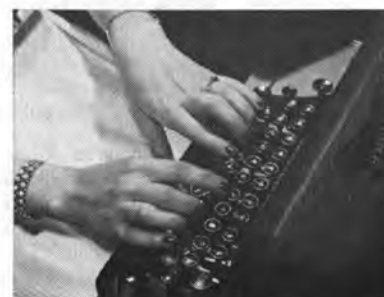
(3) Secretary



(4) Artist



(5) Switchboard Operator



(6) Typist



(7) Security Inspector



(8) Draftswoman

SANDIA SECURITY INSPECTOR

Drives in Stock Car Races Each Sunday Night and Makes It Pay

If you have the desire for excitement you too may be able to earn \$6 an hour driving a hopped up jalopy on a quarter mile track. Security Inspector Louis B. Rowe puts aside his uniform once a week and pilots a friend's car in the contests at Speedway Park, near the east gate of Sandia Base, and the six dollar figure is his estimate of the cash reward of his hobby. However, he believes the satisfaction received goes far beyond the dollar measure. It's great sport.

Racket, Oil, Rubber

You've never seen an exciting race, Hot Rod Pilot Rowe claims, until you've watched a dozen souped up automobiles of varied and questionable vintage tear up a track,



"Billy" Rowe

filling the air with an unearthly racket and the smell of oil and hot rubber.

Louis drives a 1936 Ford with a 1949 Mercury engine and equipped with several special gadgets which give it added pep, power and safety. The car is responsible for much of a driver's success, Racer Rowe believes. "It's 40 per cent car, 30 per cent driver and 30 per cent luck," according to his figures. That adds up to 100 per cent, but some of the drivers would like to add a bit more on the luck figure without trimming the other percentages.

A firm belief that this type of racing is not dangerous is carried by Louis and the other drivers at Speedway Park. "It's safe because we are all going in the same direction with the same destination," he says. He believes it is much safer than Central Avenue during a rush hour. For one thing, the race drivers are all experts, and what's more they have both hands on the wheel and their minds on their business.

One-Hand Driver

In an ordinary race the cars average about 47.5 miles per hour around the quarter-mile track. The track record is 20.1 seconds for one lap. Recently in a 15-lap race Rowe came in first and had an average of 20.2 seconds per lap. Fans were astounded at the way he handled the car in the race—he had a cracked finger and the big white bandage over the splint loomed up like a light in a fog. "It was easy," he modestly says, "I drove with one hand and four fingers of the other hand."

The finger injury didn't come from racing. He was having a playful scuffle with a friend when he cracked the bone. Louis has never been hurt in a racing accident. The drivers and pit men are protected with a life and accident insurance policy and the track owner has a liability policy for protection of the spectators. The drivers wear special crash helmets and are fastened in their cars with airplane-type safety belts.

Louis is unassuming in his attitude toward racing. He isn't in it for the love of money. He started driving three years ago when he and a friend bought a wrecked sedan, rebuilt it and started out in competition. The Sandia stock car jockey is a square-faced, husky, pleasant fellow and it's difficult to imagine anything troubling him very much. The sight and sound of racing cars is music to his eyes and ears, but not at all awe-inspiring.

He's 25 years old and single, which seems to be a good thing for a dirt track driver. It wouldn't make any difference in his driving even if he were married, he says. "Stock car racing isn't dangerous."



Seven Sandia Corporation employees who received service awards Thursday, July 5, are pictured here. The presentation for Western Electric Company and Bell Telephone Laboratories was made by George A.

Landry, president of Sandia Corporation. Front row, L. to R., T. T. Robertson, Charles Olajos and Fred Schmidt. Second row, L. to R., J. F. Quirk, T. J. Jorgensen, E. C. Deuschle, and W. H. Pagenkopf.

Service Awards Presented to Seven Sandia Employees

Seven Sandia Corporation employees among those on special leaves of absence from the Western Electric Company and the Bell Telephone Laboratories were presented with Bell System service emblems by President George A. Landry at a recent meeting honoring them.

Receive Emblems

The men who received the service emblems and certificates are:

Charles Olajos who reached his 30th service anniversary with the Western Electric Company in June. He is assistant treasurer of Sandia Corporation and manager of department 3220.

Fred Schmidt, vice president and operating manager of Sandia Corporation, who completes his 30 years of service with the Western Electric

Company in July.

W. H. Pagenkopf, Sandia Corporation superintendent of manufacturing engineering, who completes 25 years of service with the Western Electric Company this month.

Robertson Completes 15 Years

T. T. Robertson, who completed 15 years of service with Bell Laboratories in March. Mr. Robertson is supervisor of Division 1251.

J. F. Quirk, division supervisor of 2312, who completed a 15-year period

with the Western Electric Company in June.

E. C. Deuschle who reached his 15-year service mark with Western Electric Company in June. Mr. Deuschle is department manager of 4120.

T. J. Jorgensen, who completes his tenth year of service with Western Electric in July. Mr. Jorgensen is supervisor of division 2332.

Mr. Schmidt, Mr. Olajos and Mr. Pagenkopf are among the some 9,000 Western Electric employees who have 25 or more years of service with the Bell System. Of those 9,000 employees more than 400 have been with the company more than 40 years.

IS THERE TIME ON YOUR HANDS?

Kids Keep Busy Through Summer With Odd Jobs

After school closes down and the long summer vacation begins, youngsters find themselves with lots of time and lots of things to do. But soon they discover a horrible truth that their parents have learned before them. Fun is seldom free.

Enterprising children whose parents believe in the advantages of early education set right to work when school closes. Then they soon have enough pin money to buy the ice cream and movie tickets that are such a vital part of summer vacations.

Early to Rise

For instance, 12-year-old David Hahn gets up at 5 a.m. seven days a week to deliver newspapers to his



David Hahn

more than 150 subscribers on Sandia Base. He makes \$16 a week and spends about one and a half hours a day working.

His mother and father, Geraldine Hahn, 2416, and Harry, 2123, believe that by earning his way at this age, David is getting a realistic education in independence and responsibility.

Peggy and Joe Boulais, 4122, are of the same opinion and they've put it into practice at a tender age indeed. Little Susan Ann, aged 4,



Susan Ann Boulais

drys the dishes for her mother every day. In addition she keeps her room in order and dusts the furniture—the low furniture, that is. For this Susan gets as many pennies per week as she is old. The tot can't wait until she's 5 years old and makes a nickel a week.

Variable Tips Help

Art John's son Harold, 16, works as both a pinboy and a busboy at



Harold Johns

the Coronado Club whenever they need help. In the bowling alley he draws down a dime for every line he sets up, plus tips which vary as tips will.

As a busboy Harold makes up to \$3.75 working from 4 to 9 p.m. on Sundays. A junior at Highland

High School, Harold figures his future lies with Naval underwater demolition teams after graduation. His father, Arthur, 2432, is non-committal.

Another young moneymaker is Ralph Spengeman, 12, who cuts lawns and delivers Sunday papers.

"I take whatever the customer feels the job deserves," the shrewd



Ralph Spengeman

youth says. Actually, Ralph has discovered a basic psychological principle and he's working it for all he's worth. People will usually give more if the decision is left up to them. It's sort of a challenge to their generosity. Once a generous soul was challenged \$2 worth for a single cutting, which Ralph feels is proof his system works.



LOUIS "BILLY" ROWE IN CAR 51 is boxed in as the field comes out of a turn in a race at Speedway Park in Albuquerque. Billy drives 51 for the owner and claims that it's safe and great sport.



A WEST LAB CHRISTENING is held for Bill Awmick, 1120, on the occasion of his recent promotion to the rank of chief petty officer. His mates performing the rites at the West Lab patio pool are Gil Blank, 1111; Martin J. Phillips, 1120; Larry Monroe, 1120; Bill Bonham, 1111; and Oscar Seigel, 1111, who is holding the soaked sailor's hat.

ANSWERS TO TEST ON PAGE THREE

(A-4) Frank C. Ewing, 2463, technical illustrator; (B-6) Al-lene Poindexter, 2221, typist; (C-1) Jose C. Anaya, 2415, janitor; (D-5) Stella Snyder, 4211, switchboard; (E-8) Evelyn Wallace, 1122, draftswoman; (F-2) Matt Joe Bustos, 2234, fork lift operator; (G-3) Ilva Baldwin, 4222, secretary; (H-7) Julian Sanchez, 2450, security inspector.

WHAT IS YOUR OPINION...

What Are Qualities You Hail in a Husband?

MARGARET "MAGGIE" FORD, 2114. (Married) I guess I'll have to give my own husband's qualities. First I'd say even disposition, sense of humor, no bad habits, such as alcoholism. I'd count the earning power next. Of course, I'd consider his character before his financial standing.



CAROLINE GILBERT, AEC. (Single) First of all, we should clarify whether it's someone else's or my own. As a rule it is best not to hail any of the qualities in someone else's husband. Usually his wife doesn't like it. In my own—money, money, money, money!



GENEVA R. O'DELL, 2231. (Single) I would say integrity and a sense of humor. Honesty is also important. Looks help but they're not the important item. It's also very important for a husband and wife to have an interest in common.



RUTH ANNE BRAUN, 1523. (Single) He should be strong and fairly intelligent. Lots and lots of money is very, very important as I'm tired of working. Then a good "poison-ality" is extremely necessary.



IDA J. PHILLIPS, 1241. (Married) I would want him to be considerate. I would want to like the same things he does. A sense of humor is very important and I would like him to take an interest in his home. My husband has all these qualities, I'm happy to say.



JUANITA B. McBRIDE, 2125. (Married) I like a man who is patient, understanding and naturally one that is helpful around the house while you're working. I wouldn't want him to be stingy and I would want him to be neat in appearance and also a perfect gentleman. He needn't be handsome.



BILLIE BECKMAN, 3123, displays the latest in safety shoe summer wear. She holds the new brown bal oxford with flexible single oak leather soles. The shoes have half rubber heels with a leather base, leather counter, and green Nado lined vamp. They are perforated for coolness and have steel toes. This Lehigh model L1621 sells for \$8.95 at the safety store in building 857.

E. J. Cooney New Superintendent In 4000 Organization

Edward J. Cooney has been named to the newly created position of



E. J. Cooney

Superintendent of Accounting for Sandia Corporation. The appointment was effective July 1.

For the past 20 years Mr. Cooney has been with the Teletype Corp. in Chicago, and has been comptroller of the company. Prior to this position he was with the Western Electric Company at the Hawthorne plant in Chicago for five years. He is a native of the Windy City and graduated from Loyola University there.

Mr. and Mrs. Cooney and their children, Eileen 9 and Joseph 3, formerly had their home in Elmwood Park, Ill. They are now living in the AEC housing area on Sandia Base.

Here Are Two People Who Have Done What the Rest of Us Only Dream

Nestled in the Jemez mountains is a place the Spaniards called Ojo del Osa—the Spring of the Bear. When those early explorers discovered Bear Spring, it was just a fountain bubbling in the forest. Now the water is piped to a big log lodge, a small cabin, and a corral and stable.

Trapped by Snow

Bob and Billie Todd were looking for just such a place when they came to New Mexico four years ago. Bob went to work at Los Alamos and tried unsuccessfully to buy the ranch from the old man who owned it. That winter heavy snow blanketed the Jemez. Bear Spring was covered to a depth of seven feet and the old man was snowbound without groceries or medicine for his sick wife.

After frantically phoning neighbors he finally got in touch with Bob. Riding a truck left over from an unprofitable field expedition service he operated in Texas, Bob headed up the mountain. It's 22 miles to Bear Spring from the highway, and it took Bob nine hours and 38 gallons of gas to travel the last nine miles.

When he got there the grateful owner offered to sell the place and Bob closed the deal on the spot.

For the past two years the Todds

have spent every weekend at their mountain lodge. Bob works in 1122 and Billie in 3160. Each Friday after work they load up their Jeep station wagon and start the two-hour drive to Bear Spring, 60 miles away.

Forest is Their Home

Twenty-two miles of the trip is along a forest trail winding precariously up the mountainside and through deep pine woods. Bob, a tall, ruggedly handsome woodsman, knows every twist in the road, every path through the mountains. His pretty wife, Billie—he calls her Wild Bill—has been at his side for the past 14 years while he's had a variety of jobs ranging from guide to artist.

Typical of Billie's attitude toward the husband and wife partnership is a remark she made several weeks ago when the Jemez mountain forest fire raged within two miles of their home. Friends were urging her to

leave the danger area, but Bob was out fighting the blaze and Billie refused to get out.

"As long as my husband's on the fire line, I'll stay here," Bob quotes her as saying.

Plans Landing Strip

Eventually they hope to make a guest ranch out of the five acres. Bob is in the process of getting a private pilot's license. He plans to clear a landing strip about three miles from Bear Spring. The spring itself will be used to make a huge pond that will be stocked with trout. A bunkhouse will be built out behind the lodge so that they can accommodate groups out for a week or weekend of roughing it.

The small log cabin will be ideal for young or old—honeymooners or a middle aged family looking for a quiet, scenic vacation spot. The lodge will be reserved for weekend guests only, and Bob intends to build a barbecue pit in a small oak grove behind the lodge.

Before the war Bob was an art director. Service as an Air Corps bombardier interrupted that and when he came back three years later he and Billie organized the Forward

Ho Field Expedition company to conduct guided tours into the badlands of west Texas. When the company folded, they came to Los Alamos and later to Sandia.

Water Like Wine

Right now they're remodeling the lodge. Bob is glassing in the porch, which he intends to use as a studio. Inside, the kitchen has been paneled in knotty pine, and Bob built a huge fireplace in the big living room. Electricity comes from a 10,000-watt generator that Bob spent a weekend hauling up the mountain and installing.

Seven thousand five hundred feet up in the mountains the air is light, cool and clear, the Bear Springs water tastes like wine, and the only sound is the breeze through the pines. It's a good place to live, according to Bob and Billie Todd, and they're very convincing people.

The next radio club meeting will be Monday, July 9, in T-317. Burt J. Bittner, 1132, will bring instruments and equipment to demonstrate radio wave propagation from mobile antennas. Actual plotting will be done with miniature mobiles on ultra high frequencies.



BEAR SPRING MOUNTAIN LODGE blends with the forest in the Jemez Mountains. Behind the lodge, to the left, stands the little grove of oaks that will be the site of a barbecue pit. In the foreground (l to r) are Billie Todd, her mother, Mrs. Dauntton Henslee, and Bob Todd. The eaves of their guest cabin can be seen at the extreme right.



BILLIE AND BOB TODD pose with Wiggles before the entrance to their lodge at Bear Spring in the Jemez Mountains. Those skulls on either side of the doorway are from wild horses. The couple live on the base and visit their ranch every week end.

Starlight Meeting Of Toastmasters At Coronado Club

Sandia Toastmasters club dined on the patio at the Coronado Club last Thursday evening, giving the speakers on the program an opportunity to test their lung-power in the great outdoors.

Main speakers were Corry McDonald, Art Jones, Dan McCarthy and Lt. Col. Gale Clevin. Eaton Draper gave the invocation and Jess Adkins conducted a topic discussion on memorable swimming experiences of the Toastmasters present. Toastmaster of the evening was Ted Sherwin.

HERE'S MORE

Department News

Gerry Hurley, newest instructor in 1713, came here from Kansas City, Mo., where he was employed by the Ford Motor Company. Gerry, a native of Monterey Bay area of California, has had quite a varied background. He received the B. A. degree from St. Mary's College in Maraga, Calif., the M. A. degree from San Luis Rey College in Santa Barbara, Calif., and has completed most of the work toward the Ph. D. degree at St. Bonaventure's in Olean, N. Y. Gerry lives on East Grand, is married and has two boys, ages 11 and 2.

W. F. Dietrich, 2300, ran into snow 23 feet deep at Lason National Park during his recent vacation in California. The cold stuff was piled in gigantic drifts along the road. He and his family visited San Diego, San Francisco, Los Angeles, Yosemite National Park, and Lason Park.

Joan Daut, who recently transferred to 3220 from the Voucher Section, is on vacation back east.

A bachelor's life is an unhappy one, reports Fred Fay, 3230. Fred's wife is visiting relatives in Boston, their former home, and Fred can't wait until she gets back.

Truman Daniel, 3231, has been called to Arkansas to the bedside of his seriously ill father.

3231 has extended a welcome to newcomer Bill Martin.

A crowded two week vacation was spent by C. E. Wheeler, 2130, and his wife recently. They toured through Boulder Dam, Las Vegas, Reno, and Salt Lake City.



SANDIA BULLETIN



Vol. 3, No. 15

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

JULY 20, 1951

Old Leatherneck Now Serves Country in New Fashion

"From the Halls of Montezuma to the Shores of Tripoli" brings back vivid memories to Charles H. Gray, 2232, who started his adventures with the U. S. Marines in 1916 and spent 20 years as a rough and rugged leatherneck.

Back in 1916 there was trouble in the West Indies with various revolutionary movements taking place in the Dominican Republic (Santo Domingo). It was there that Charlie participated in his first campaign. The Marines were sent to the Dominican Republic to restore peace and Charlie says it was hand-to-hand fighting against the native bandits.

Starts at Bottom

Charles Gray was born in Lewisburg, Tenn., and started his Marine career 20 years later at Paris Island, S. C., where he received his recruit training. He started at the bottom and had advanced to the temporary rank of first lieutenant before he retired in 1934. His permanent grade was master sergeant when he traded his uniform for civvies.

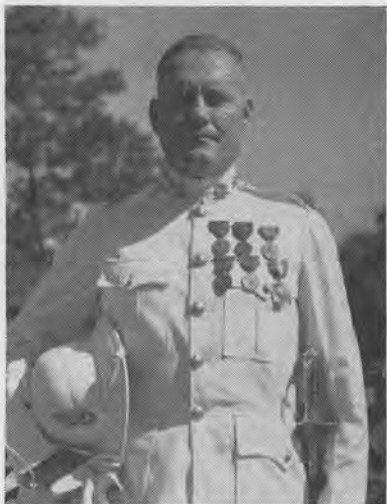
He returned to Tennessee to settle down but 17 days later he was called by Washington to return to the West Indies—the Virgin Islands this time—to take charge of the Civilian Conservation Corps program there. From then to 1949 his address was either Virgin Islands, Puerto Rico, Haiti or Panama Canal Zone.

After the Dominican Republic campaign in 1918, Charlie returned to Pensacola, Fla., to attend Naval Aviation School, and was detailed as one of the first enlisted men to actually pilot a plane. By that time, World War I was raging and Devil Dog Gray was headed for England, France and Belgium, where he took part in battles at Ypres and Flanders.

Gets His Bars

His commission as a second lieutenant came after the war when he was with the Marine Aviation at Port-au-Prince, Haiti. He was commissioned when he transferred to the Constabulary, USMC, the Gendarmery de Haiti, in which he served for 15 years. The Constabulary was under the U. S. State Department and was made up of about 120 Marines, the rest being native soldiers.

Before his transfer to the retired list in 1934, Charlie was detailed as an aide to President Franklin D.



Roosevelt on the President's visit to Haiti.

Retirement didn't end Charlie Gray's adventures. He stayed with the CCC in the Virgin Islands for a year and then served with the Virgin Islands government as field office manager for the rehabilitation of the Islands until the beginning of World War II. He then took charge of construction of an air base in the Islands under the direction of the present Sandia Base commander, Col. P. F. Kromer, and served until 1946 as assistant project engineer in charge of construction.

Served With Embassy

Haiti was the next stop and Charlie served one year there with the American Embassy in commercial intelligence. From there he went to the Canal Zone.

The Gray family is strictly sold on the West Indies as a place to live. Charlie has visited all the Latin American countries and claims that people in the States don't live—they merely exist. Charlie met his wife, Anna, who is French and Spanish, in Haiti, and their daughter, Audrey, 10, was born in San Juan, Puerto Rico. Charlie, Jr., 14, was born in the Virgin Islands in the same block where Alexander Hamilton spent his childhood. They moved from Panama to Albuquerque in 1949 when Audrey became ill with asthma.

The two years now that ex-leatherneck Gray has been in Albuquerque amount to his longest stay in the States since 1916. He says, "It seems like an awful long time for a Marine to stay in one place."

Coronado Club to Present Guest Cards To New Employees

New employees of Sandia Corporation and of the local AEC office will be furnished two-week guest membership cards to the Coronado Club, H. J. Smyth, chairman of the membership committee has announced. This membership will allow the holder of the card and members of his immediate family to enjoy the facilities of the Coronado Club with the compliments of the membership.

The membership committee, working with members of the publicity committee, is making arrangements to publish an illustrated pamphlet describing the Coronado Club. This booklet will be given to each new employee to explain the facilities offered by the club.

Those on the membership committee, in addition to Mr. Smyth, are: Bob Hawk, Felix Padilla, C. W. Eggert, Betsy Burd, King Wheeler, W. J. Howard, R. H. Schultz, Karl Zimmerman and R. S. Gillespie. Jerry Jercinovic, a member of the Coronado Club board of directors, is working with the committee.

1280 Personnel to Have Picnic Party This Evening

Personnel of Department 1280 will have a chance to get acquainted tonight at a get-together at the Y. W. C. A. Camp. Sizzling steaks, tossed salad, garlic bread, coffee and watermelon will be relished by about 70 employees and their families.

Former Sandian Sees Duty Off Korean Shore

Tom Vigil, formerly of 2232, is pictured here aboard the USS Tortuga, which is in Korean waters. Tom, a Navy reservist, was called



back into service August 2, 1950, and has been in the Pacific most of the time since then.

In a letter to the Bulletin Tom reported he was on one of his few short rest periods in Yokosuka, Japan, but would soon be back at sea. He asks that his old friends at Sandia Corporation write him the news—he'd be glad to hear from them.

He gives his address as:

Tom Vigil BTG FN 889-92-59
USS Tortuga, LSD 26
c/o FPO, San Francisco, Calif.

Coronado "Beach" Is Setting for Gala Barbecue

As the sun fades slowly behind Mt. Taylor and the shadows lengthen across the patio, the exciting aroma of barbecued beef prepared over glowing hickory charcoal will fill the air. Then the swimmers will swarm ashore, forsaking the fast cooling green waters of the Coronado Club pool for the greener pasture-size patio where Chef Carl will be presiding at a bounteous repast guaranteed to delight the most critical and the most ravenous.

Fun's Ahead

Like to be there? Well, why not? It's the big Beach Party and Barbecue, starting at 5 p.m. tomorrow, and lasting as long as you hold out. Be prepared for a thoroughly informal and fun-packed evening, and remember that the only charge to members and their dependents is the price of the barbecue, \$1.50 for adults, 75c for children. Adult guests of members will be admitted for an additional charge of 50 cents each, and their children will be charged only the price of the barbecue.

Swimming will be the main attraction until 7:30 o'clock, when the serving begins. You do not have to have a swimming ticket. There will be soft music playing, and service from the bar throughout the evening. Rumor has it that an assortment of ukuleles, guitars and harmonicas will make their appearance as the Sandians "go native" and join in some sweet harmony, all strictly spontaneous.

Orchestra Music

For those who crave the refinement of a hard wood floor, dancing to the music of Tommy Morgan's orchestra will be enjoyed after 9 o'clock. Sports clothes will be worn by everyone, but remember, no one in shorts is considered appropriately dressed inside the main club building.

Get a group together and enjoy the feature entertainment event of the month. Just in case the weather is inclement, arrangements will be made to serve indoors.

Next week the popcorn is on the house, and the entertainment is free while you watch some hilarious old-time flickers being obtained for Wednesday night showing. There will be a regular informal dance the following Saturday night.

When you're driving your car don't be an intersection interloper who takes the right-of-way no matter whether it belongs to him or not.

How to Beat the Heat

Some people are crazy with the heat. They do things when the mercury approaches 100° that they wouldn't do otherwise. Police say crimes of violence always increase when heat waves are prolonged and there are more car wrecks, drownings, freak accidents, fires, fights and general irritability.

Yes, some people literally go berserk with the heat. It could happen to you if you're the type who doesn't protect yourself from the ravages of "old sol." Here are a few elementary rules which, if followed, would keep a lot of people off summertime casualty lists:

1. Don't risk painful sunburn by prolonged exposure to the sun. As you tan you may be able to stand longer periods of exposure, but half an hour can be serious if it's your first time out.

2. Don't go around bareheaded in the heat of the day. The old pumpkin can't take it, and you're inviting a heat stroke or at least a lulu of a headache.

3. Don't go swimming right after eating, and avoid plunging into cool water when you're overheated. You may suffer cramps that could cause drowning.

4. Avoid over-exertion in play as well as work. Exercise always raises the body temperature and forces the heart to work harder.

5. Eat plenty of light, nourishing food, but avoid heavy meals, especially at noon. Use more salt in your food and drink lots of liquids.

6. Wear light, loose clothing and don't risk a cold or worse by going to sleep at night without at least a sheet over you.



OPERATION GREENHOUSE PERSONNEL were honored recently at a dinner meeting by George A. Landry, president of Sandia Corporation, and members of his staff. Pictured here with Mr. Landry and his staff are members of the Sandia

Group who were in the Joint Task Force 3. Unable to be present for the occasion were R. T. Bush, R. W. Male, N. W. Ollman, E. C. Udey, V. V. Myers and E. L. Jenkins.

SANDIA BULLETIN

Friday, July 20, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

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Telephone Ext. 25253



Be Security Conscious

The seriousness of the international situation is reflected today in the task which confronts the Plant Security Department of Sandia Corporation. Theirs is the task of protecting our plant—a vital segment of our nation's defense system—against subversive action, espionage, sabotage and unintentional damage through carelessness or accident.

The President of the United States has appealed to every loyal American to help guard against espionage, sabotage and subversive activities. The appeal reminds us of the axiom, "The price of liberty is eternal vigilance." Placing some of the responsibility for national security on us as individuals points up the importance of maintaining the security regulations which have become routine here at Sandia.

"How," you may ask, "can I be expected to help safeguard the security of the country and of Sandia Corporation when I am only one person? What can I do?"

Each Sandia employee is a vital link in the chain of security. This security program may be made stronger each day only if there is increased vigilance on the part of individuals. Along with this vigilance the Sandia Corporation employee may further help by developing an understanding of security regulations which each day affect his life. This understanding, coupled with an active cooperation with the members of the Plant Security Department, will be of great assistance in safeguarding the functions of Sandia Laboratory.

It is your duty to be security conscious—be alert and be wise. Guard your talk, protect your job and save your nation.

Wear Your Badge in Plain Sight

It is one of security requirements that your badge should be worn in plain sight at all times you are in restricted areas.

Dachshunds Are Just About the Most Affectionate Dogs Found Anywhere

Whimsical, friendly, intelligent, affectionate, yet willful, is the description Irvin Broverman, 1712, gives to the Dachshund breed of dog which he has been raising for the past four years.

Teckelhaven's Don Antonio, "Tony," Contessa, and Sondja are the names of the three dogs Irv presently has. Tony, the male, is three and one-half years old, Contessa is two and one-half, and Sondja is nine months.

The Dachshund, a short-legged, German hound, has become very popular for apartment dwellers in this country because of his cleanliness and size. They are ranked as ninth in breed popularity. Originally the Dachshund was used by the Germans to hunt small game, such as badgers, foxes, etc.; they were able to burrow themselves underground and would bay until the hunter claimed his prey.

Irv's dogs are all of the same blood line and are the clear reds in color. He says that they are a very easy dog to raise, with one exception—they are willful. If a Dach-

shund gets a chance, it will rule the household, and Irv has had that happen. Prior to purchasing Tony, Contessa and Sondja, he had Lulu-belle, and she took orders from no one.

Irv has been working with the project since 1946 and transferred from Los Alamos to Sandia in 1947. He is originally from Pittsburgh, Pa., and attended Carnegie Institute of Technology there.

The best of care is not too good for Tony, Contessa and Sondja. Irv keeps them outdoors during the summer days but has the utility room of his home fixed up for their sleeping quarters. He says the Dachshund thrives on personal attention and for a good all-around dog, he wouldn't have any other breed. Irv is a bachelor and says when he does take the step, it'll be "love me, love my sausage hounds."



COUNTESSA, TONY AND SONDJIA are shown with their master Irv Broverman, 1712. Tony, the show dog of the three, is happy to give a smile for the camera.

AROUND THE DEPARTMENTS

There's a new daughter in the Robert E. Hepplewhite household. They've named her Janet. Bob is in 1611. Congratulations!

Bob Reed, 1621, spent his vacation in Des Moines, Ia.

Alice McGee, 2310, is vacationing in Marquette, Mich., her home town.

Al Alfeld, 2331, chose scenic Colorado for his vacation.

W. O. Smitha, 2331-4, returned from his vacation in Indianapolis, Ind., with a new Cadillac.

Marcia Laden of Illinois, 10-year-old niece of Robert Findlay, 2230, is visiting the Findlays for the summer.

Wanda Loveless, 2230, has recuperated enough from her recent operation to spend her vacation in California.

Personnel of 1530 showered Carol Alger Haskins with wedding gifts the Friday before her marriage to 2nd Lt. Arthur Haskins, July 7. Gifts included dishes, a waffle iron and grill, aluminum ware, tumblers, and mixing bowls.

New employees in 1530 include Milton Madsen and Ed Amonette. Milton is a 1951 graduate of the University of Utah and Ed came from Elko, Nev.

Ernie Schwam, 1530, is back on the job after a hectic two weeks with the mumps.

Barbara Tyner is back with 1530 after working for a month in 1613. It's good news for 1530, but not too good for 1613.

Vacationers in 1530 last week were Dewey Cochran and Banks Baubert.

A welcome is extended by 1533 to Paul Syroid who recently transferred from 1531.

Josie Manuel, 2113, received the good news that her husband, Angel L. Manuel, has been promoted to Tech Sergeant. He is stationed in Okinawa with a supply squadron and Josie is anxiously awaiting his return to the States.

Marguerite Barncord, 3160, is another member of the vacation group. Marguerite went home to Kansas where it's been quite wet lately. It's too bad Marguerite can't bring some of that water back with her.

Carl Carlberg, 2210, has everyone puzzled as to his vacation. He first reported that he would be traveling to California and later the word was Colorado. The only thing that's certain is that he is vacationing.

Burl Alsop beat the heat while on vacation recently by buying and installing an air conditioner in his home. Burl works in 2417.

Things were quiet around the parts room of 2417 last week while Johnnie Shine vacationed at home. Other recent vacationers in that division were F. G. Gabaldon, Del Jinzo, Flaviano Sanchez and Louis White.

Dorothy Stubenfall, 4134-3, had relatives from Pittsburgh, Pa., visiting her during her vacation. They all enjoyed a trip to Juarez.

Glenn Simpson, 4134-3, is back from his vacation. He spent one week with his wife's relatives in the Brazos River country. The second week they spent with his parents in Douglas, Ariz.

George Ison, 4134-3, spent his two weeks in the states of Kansas and Nebraska, visiting relatives. And Patty Atkins, also of 4134-3, recently returned from her vacation at Colorado Springs, Colo.

Harvey Richard, formerly of 4132-1, is now section supervisor of 4132-3.

Daniel B. McCarthy, 3152, spent two weeks vacation working—painting his home. Dan did manage one trip to Juarez for a day.

Mona Cripe, 3153, was to spend a week vacation at Elephant Butte Lake. Her vacation was marred when she burned her hand on a camp stove and had to return to Albuquerque after three days. What little fishing she managed was highly successful.

Virginia Nichols, 3153, spent a one-week vacation at Boulder, Colo. Side trips were made to Denver, Estes Park and Sand Dunes National Park.

Olive Barwick, 3153, spent two weeks vacation at Boulder, Colo., indulging heavily in just loafing.

Tela Chavez, 3153, spent one week at Lazy Ray Ranch in the Jemez. Fishing was good with limits caught every day.

Jack Mafit, 3152, spent three days this past week in Phoenix, Ariz., on a recruiting trip.

3152-3 welcomes Winifred Fellows, who is going to be an interviewer in Women's Employment.

West Virginia, where he started teaching more than 25 years ago, is the site of Bill Bramlett's vacation. Bill is visiting relatives for two weeks. His son, 10, and daughter, 12, are accompanying him. Bill works in 2452.

Margaret Montoya, 2452, has had a light in her eye ever since she got the good news that Major Paul Reynolds is returning from a six-month tour of duty in England. He will be stationed at Roswell, N. M., Margaret reports happily.

A greeting was extended recently by 4130 personnel to Francis X. Vogel, a new employee.

Pat Higgins, 1111, West Lab, sprained her ankle and was away from work for several days. It was a birthday gift over which Pat wasn't particularly happy.

Personnel of 4211 at West Lab welcome Hal Hale as a co-worker. Hal is an Albuquerquean.

Ralph Olson, 4211 West Lab, has transferred to 1531.

Vacationers at West Lab include Pat Jones, 1130, and George Burnside, 4211.

Vacationers in 1240 recently were Ed W. Marsh and Lester "Wes" E. West.

"Hap" Kindschi, 2230, is now on a short vacation and could be said to be riding a merry-go-round at Los Alamos. Hap is part owner of the Kiddyland Playground which was recently set up on the hill.

A non-occupational accident over which he had absolutely no control accounts for the cage Burt Metzger is wearing on his shoulders these days to hold his head rigid. Burt, safety consultant of renown, 3170, suffered a cracked vertebrae recently when the car in which he was a passenger was rammed from behind by another vehicle.

The secretaries of Department 4230 entertained Ruby Jean Rarick at a luncheon at the Coronado Club, Friday, July 13. Ruby Jean has been appointed secretary to L. J. Biskner, manager of Department 2110.

Art Jones, 4232, is on a cross-country endurance run to Connecticut in an attempt to cram a sight-seeing tour of most of the country into one vacation.

Ruth Keyser, 3160, and her husband Roy, 1511-4, have returned from a vacation trip to Yellowstone National Park. They were smart and came back a few days early so they could rest up at home before returning to their jobs.

Congratulations to the Ernie Alfords on the birth of their second daughter, June 23. The little Miss was named Diane. Ernie is in 2417.

"Gone Fishing" was the sign Alfredo Fernandez, tire repairman in 2417, hung over his work bench for two weeks. The piscatorial results have not been announced.

Kenny Pope, 2113, and Ella Louise, 4131, recently returned from their vacation to Ohio. The only difficulties reported were the detours they had to make around the floods.

Personnel of 2417 are glad to see Crawford Luker back on the job after a week of battling an abscessed tooth.

H. F. Gunn, formerly 2451, is now supervisor of Division 4222, reporting to C. W. Dickinson. He and his wife and son have just returned from a vacation spent at Sun Valley and in Wyoming, where the fishing was wonderful, says Hal.

Cecil Johnson, 2210, took his days of leisure to journey down the "Lone Star" way.

New employees of the AEC office at Sandia are Bobbie L. Cohee, William B. Wilkerson, Chester Hume-nik, Thomas D. McGuigan, Clinton C. Breeding, and William F. Hughes. They were transferred from Los Alamos. Luther H. Oldham transferred from Salton Sea.

AEC vacationers include Paul Sewald, who went to Denver; Charlie Church, California; Nora Chumley, her hometown of St. Louis; and Mary W. Uland and husband drove to Andersonville, Tenn.

Val Gault, AEC, is spending her vacation entertaining her parents and sister from Wisconsin. She is showing them the attractions of the state.

Mary Lou Sanders, AEC, has been ill with pneumonia, and her co-workers hope she will be able to return soon.

Peggie Henrie, AEC, last week attended the rodeo in Santa Fe. Her brother was entered in some of the competitions.

Bernice Benner and Iris Hardy, AEC, spent last weekend at Red River.

Silas Upson came to the AEC office from Denver, and Ned Meyer came here from Springfield, Mo.

Lela Vaughan, AEC, had company at her house this past week. Her brother and his family were here from Texas.

Mr. and Mrs. C. H. DeSelm and two children returned from their eastern vacation recently with an adventure story which will be carried in their minds for many years. They were passengers on the Santa Fe train El Capitan which was marooned 54 hours in Kansas by flood waters. Mrs. DeSelm received a sprained ankle but that was the only mishap to the family during their long hours of waiting. Mr. DeSelm is department manager of 1280.

A daughter, Karen, weighing 5 pounds, 13 ounces, was born July 9 to the Rudolph O. Frantiks, 1294. Congratulations to the new mother and father.

A new employee in 1295 is L. W. Wheeler, who came to Sandia from Chuquimata, Chile, where he worked for a mining company for three years.

Mechanical Engineer Rides Brahma Bulls, Wild Horses In Southwestern Rodeos and Calls It a Great Hobby

Sitting on top of a one-ton wild animal is a hard way to make a living, especially when the beast is intent upon throwing the rider off his back.

And yet there are perfectly rational people like Nathan Goode, 1243, who indulge in this dangerous pastime as a hobby. Nate calls it sport. He travels miles to perch himself on the spine of a rampaging Brahma bull, only to jump, roll, and scramble away from the bucking monster if he's lucky enough to stay on eight seconds.

Jump, If You Can

The reason for this time limit seems to stem from the theory that if you can stay aboard a raging bull for eight seconds then you are a man, my son, and you'd best get off that critter while you can.

Born on a ranch near Alamoosa Creek, west of Socorro, N. M., Nate came by his love for rodeo riding naturally. As a boy Nate rode young calves in local rodeos, graduating to bulls and bareback bronc riding by the time he was 16.

At that age Nate hit the rodeo circuit and performed professionally for three years. He quit when he was 19 and went into the Navy.

Today at 27 Nate remembers those rodeo circuit years with a great deal of pleasure.

"There's a friendliness between rodeo riders that is, I believe, unequalled in most other sports. You use the other man's equipment as freely as he uses yours. And the man who knows the bull or horse you're to ride will give you tips on how to handle it, even though he may be in the ring competing against



RIDE 'EM COWBOY! Nate Goode takes a beating on the back of a Brahma bull at the New Mexico State Fair Championship Rodeo in 1949. He won fifth place against the country's top riders.

you in the next few minutes."

Winner Pays

The winner usually pays the bills for the losers, Nate says, so they all manage to get by from rodeo to rodeo. The average "pro" rider makes around \$5,000 per year, although the top men make up to \$25,000 a year.

After three years in the Navy Nate went to college, graduating last year from the University of New Mexico with a degree in mechanical engineering. At present he is studying for his master of science degree. He recently joined Sandia Corporation after working a year and a half at Los Alamos.

ball team for a family. His seventh son was born July 11.

Vacationers in 1514 include Paul Kruse and Bob Sowell, who are going to take in the sights of Mexico.

Laura Garcia, 2461-2, and her husband went to Mexico City for their two-week vacation. Others vacationing from 2461-2 include Wynne Cox, who has gone to Las Vegas, Nev., and Fern Green, who went to Ruidoso.

Yellowstone National Park is being visited by many a Sandia employee, and Caroline Gilbert, AEC, is one of the sight-seeing tourists at that beauty spot.

Nancy Haskell, 1280, is enjoying a restful vacation at home, although she has been taking a little of her time to plan the departmental steak fry, to be held tonight.

Sam Moore, 1280, chose Colorado to do a little fishing and sight-seeing during his vacation.

A boy, Bruce Allan, was born Saturday, June 30, to Mr. and Mrs. M. T. Mattison, 1295. Congratulations to the Mattisons.

Nancy Barela, 2242, enjoyed her vacation in California. She spent some time in San Francisco, Oakland and Los Angeles.

A new employee in 2244 is Margaret L. Sturges, who hails from Lubbock, Tex.

Jim Harmeyer, 4233, is spending his vacation in Mesa Verde, Estes Park and Rocky Mountain National Park.

Supply branch of AEC had a party July 3 at the home of Geneva Bishop. Amusements included cards, swimming, and television.

John Courtney, 1131, whose wife Dora Jo works in AEC, is continuing to improve after a spinal operation. He is now walking with the assistance of a brace.

HERE'S MORE

Department News

Betty Small, AEC, has gone to Pennsylvania with her husband. Her father-in-law was injured in a train wreck recently.

From Lawton, Okla., comes word that Pfc. Francis H. Treon III, formerly a security inspector in 2452, expects to be returning soon to civilian life and his job at Sandia. He and Mrs. Treon are mighty proud of their new daughter, Marian Carol, born last month.

Clarence Ray, 4134-3, has been sporting a very good looking cowboy shirt which he won at the Square Dance party held June 29 at the Coronado Club.

A newcomer to 4132-1 is Shirley Benson who hails from Denver, Colo.

Pete Meigs, 1714, has just returned from what he says is the best two-weeks vacation he and his wife have had in over eleven years. While the two Meigs children, ages 11 and 7, went to camp, Pete and his wife toured New Mexico and Colorado. Among the highlights of the trip were the drive through Red River Pass to Salida, Colo.; the drive through Royal Gorge to Colorado Springs and Denver; and the drive through Kenosha Pass (where they had a blow-out). While at Twin Lakes, Colo., they took a side trip to Granite where they panned for gold. Then they went through Wolf Creek Pass and a forest fire to Chama, N. M., and home to Albuquerque.

Congratulations are in order for Bob Armstrong, 1712, the proud papa of a 7-pound, 2-ounce girl named Kim. This makes the second girl for the Armstrongs. Their first, Lee Ann, is now 2½.

Frank Irwin, 1713, is taking two weeks vacation. So far he has been staying home, just loafing.

Aquiles Trujillo has almost a base-

Weddings

Mary Katherine Pino, 2333, will be married to James Allan Weiss, Thursday, July 26, in the San Felipe de Neri church. There will be a double celebration in the Pino family that day in that it is the silver wedding anniversary of Mary Kath-



Pino

Gronseth

erine's parents, Mr. and Mrs. Fred L. Pino. Mary Katherine is an Albuquerque girl and her fiance is from Philadelphia, Pa. The couple are planning a honeymoon trip to the northern part of the state.

The marriage of June Gronseth, 3153-1, to Sgt. Don Forhan will take place tomorrow, July 21, in the home of the bride's parents. The couple will then honeymoon for a week in Arizona. June is a graduate of Albuquerque High School and the Albuquerque Business college. Don attended school in Bisbee, Ariz.

Bette Lee Fatland, 1613, became the bride of Clarence M. Vick, 1611-1, July 16 in Bette Lee's home town, Cambridge, Ia. Bette Lee is a graduate of Iowa State college and came to Albuquerque two years ago. Clarence is from Mountair, and attended the University of New Mexico.

Rudy Baca, 2461-3, and Bisguma Romero were married July 7 in Belen. The couple spent their honeymoon in Carlsbad.

Carol Algier, 1530, became the bride of 2nd Lt. Arthur Haskins, Saturday, July 7, in the Sandia Base Chapel. A reception followed at the Officers' club. Lt. Haskins is stationed at Sandia Base and the couple are at home at 5421 E. Harrison.

Fire Destroys Car In Parking Lot

A fire that completely gutted a car in the Administration building parking lot recently may have been caused by a carelessly tossed cigarette, according to investigators. George Bell, 1532-4, who does not smoke, was the unfortunate loser, as it was his 1950 Ford sedan that went up in smoke.

The fire department responded quickly and the flames were quenched at once, but the fire had burned out the interior before the paint on top began to blaze, attracting the attention of a passerby who turned in the alarm. Luckily no other cars were close enough to be damaged.

Fire department investigators theorized that a cigarette may have been flipped through an open window by someone in a passing car, possibly while George was driving back to work at noon. It was a little more than an hour later that the fire was discovered.

Moral: Be careful with cigarettes. A lighted cigarette tossed from your car could easily be blown back in through a rear window and be undetected until too late. Or worse, it might land in someone else's car.

What's Her Line?



What is This Girl's Job With Sandia Corp.?

She has been employed by Sandia Corporation for about two years. Her work requires technical ability, training and a specialized education. Tools of her trade do not include a typewriter or shorthand notebook. What line of work do you think she is in? Turn to page 6 for the answer.

All you have to do to buy bonds systematically on the easy Payroll Savings Plan is to see your supervisor and fill out an application. Bond yourself to a future of Dreams Come True.

Salton Sea News

We welcome home Mr. and Mrs. Joseph E. and Mr. and Mrs. Eugene R. Dirmberger who returned recently from Minneapolis, Minn., where they spent the past month on business and pleasure. You should have seen that fish-eatin' smile—those Northern Pike were really hittin'.

Dr. and Mrs. James A. Merrill and daughter Janet Lynn have been visiting here for the past two weeks with their family, Mr. and Mrs. Arthur L. Merrill, AEC representative. Dr. Merrill received his B. S. and M. D. degrees at the University

of California and has been residing at Boston Lying-In Hospital at Boston, Mass., and teaching at Harvard Medical School, Cambridge, Mass. He and family are enroute to Hamilton Air Force Base, Hamilton, Calif., where he has been assigned for duty with the United States Air Force Medical Corps as pathologist.

To the employees of Salton Sea Base—My sincere thanks and appreciation for your kindness during the recent passing of my father—Melvin A. Reynolds and family.



ALMOST EVERYONE LIKES TO SWIM and the youngsters who, after a summer of paddling and splashing, find themselves capable swimmers. Closely supervised for health and safety, the pool is an ideal place to while away your summer hours.

Vacation Time

It's a great American tradition that each summer we pack up the car and take off for our vacation. As we go to press there are many Sandians on vacation and many others are looking forward to our summer trip. And there are those who have returned. Here we print a few pictures brought back by our fellow vacationers. They are reminders of a good time well earned after a year of hard work.



GOOD FISHING AT EAGLES NEST was found by Fonzo B. Cossell, 2233, and his wife. They tried their skill and luck on the lake and their best success was a trout over 18 inches long. Mrs. Cossell took high honors in catching the most fish as well as the largest fish.



PINE RIVER DAM IN COLORADO was visited by Gertrude Butler, 3153, and her husband Charley, 2331, during their vacation this summer. The above picture was taken while Gertrude was trying to cross a stream. The question, "Did she make it?" was left unanswered. P. S. If you are looking for Charley, he just fell in.



ON THE SKYLINE DRIVE in Virginia Max Weber, 1714, and his son Lewis paused to look over the Shenandoah Valley when they took their vacation in May. Their journey took them to New Jersey and they drove east over the southern route.

THIS VACATION TRIP was a honeymoon trip too. Mary Marchionda Anderson, 1110, the wife of Duane Anderson, AEC, is pictured here in Taos Canyon in northern New Mexico. She and Duane were married June 8.



ON VACATION IN CALIFORNIA, K. N. Jones, 2112, and his wife Winifred are pictured here with her parents, Mr. and Mrs. R. J. Westfall, left, at the Westfall home in Pasadena. In the foreground are the Jones children, Wesley, Jennifer and Norman.



IN YELLOWSTONE National Park, Chet Fornero, 4212, went fishing and returned with these beautiful trout. Chet and his wife Florence, 1220, spent their vacation this summer in the Rockies.

Seeing New Mexico on Weekends



HERE IS A BIRD'S EYE VIEW of Pueblo Bonito, largest of the pre-historic ruins which go to make up Chaco Canyon National Monument in northwestern New Mexico. Pueblo Bonito was built between 919 and 1130 A. D. and once housed 1,200 people. The pueblo, originally five stories high, covers three acres of ground and once contained about 800 rooms and 32 kivas.

You will find the journey from Albuquerque to Pueblo Bonito an adventure which carries you through a vast high open country with far horizons and a history which dates as far back as 919 A. D. Chaco Canyon National Monument, the site of Pueblo Bonito, is 168 miles northwest of Albuquerque. The only accommodation for tourists who wish to stay overnight is a camp ground.

To drive to Chaco Canyon National Monument and Pueblo Bonito, travel west from Albuquerque on U. S. Highway 66, 104 miles to a point near Thoreau where there is a junction with State Road 56. Turn north on 56. The road is graveled for a few miles and the remainder graded dirt. There are many sharp declines into arroyos and washes and the road is usually impassable when wet. In the dry season it is dusty.

Ride Past Ruins

The road takes you past the An-tome Indian Mission and the tower-like Kinyai Indian ruin. At the 26-mile point on State Road 56 is the village of Crownpoint, which is close to the Navajo Indian reservation.

Chaco Canyon National Monument is 64 miles north of U. S. Highway 66 and contains some of the greatest surface Indian ruins in the United States. The monument is maintained by the National Park Service and a permanent custodian is stationed near Pueblo Bonito, which is near the north wall of Chaco Canyon.

Pueblo Bonito, meaning "beautiful village," has attracted exploring groups such as the National Geographic Society, U. S. National Museum, and archaeologists from the University of New Mexico.

1,032 Years Old

Through tree ring dating, experts have concluded that the village was under construction in 919 A. D., and that additions were made in the years 1017, 1033, and 1102. Within the "D"-shaped pueblo there were 32 kivas where clan and fraternal religious rites were observed. According to Navajo myths the village was exceptionally wealthy. This belief has been borne out by the discovery of artifacts which included exceptionally fine turquoise, carved birds and insects, and one find of a frog of jet with eyes of inlaid turquoise.

Pueblo Bonito is one of many ruins in this vicinity which indicate to archaeologists and anthropologists that the area was the site of a civilization which utilized its economic resources and had religious, social and aesthetic development.

The return trip from Chaco Canyon National Monument may be made over the same route used to enter the area. A different road back to Albuquerque may be taken by driving north on State Road 44, a distance of 28 miles. Turn right on State Road 44 and return to Albuquerque by way of Cuba and Bernalillo.

Beth Krajovic Represents Club At Convention

Beth Krajovic represented the Sandia Turquoise Toastmistress Club at the International Toastmistress Clubs convention held in Denver, July 9-11. Beth, who works in 2310, is a charter member of the club, and incorporated the convention into a week of vacation in Colorado.

An installation of Turquoise Club officers for the coming year was held at the Officers Club recently. Mrs. A. L. Dyer was installed as president; Beth Krajovic, vice-president; Mrs. A. S. Kruz, secretary; Mrs. C. L. Lindquist, treasurer, and Mrs. E. L. Deeter, Mrs. Nate Wineberg, club representatives. Mrs. L. H. Stradford was installing officer.

The club will hold no meetings during the summer months but has plans for a membership drive early in the fall.



IT'S HARD TO TELL whose life is being led here, A Boy's or A Dog's. Pictured above is Jack Sprink, young son of T. A. Sprink, department manager of 2480, and the canine addition mentioned some weeks back in the Bulletin. Boy's Life or Dog's Life—they all seem pretty happy with each other.

YOUR FUTURE

Will be Brighter if
You Participate in
Your
Retirement Plan

Mobilize Your Medicine Cabinet

Have you looked in your medicine cabinet lately? If it's anything like the average family's, it is well stocked with sundry specifics of last year's ailments: pills and palliatives, syrups and salves, ointments and potions, lozenges and capsules—and the extra key to the garage. But where is the roll of sterile gauze? Adhesive tape? Antiseptic?

A properly equipped medicine cabinet may save your life. This is the conclusion of a large insurance company that annually pays millions of dollars in death claims. In studying fatalities due to accidents, it was found that many of these deaths could have been averted with efficient first aid.

Mobilize Medicine

And with civilian defense organizations, industry, and the armed forces mobilizing once more — and placing particular emphasis on first aid—it is suggested that every family should mobilize its medicine cabinet or first aid kit too.

There are two things wrong with the average medicine cabinet. First, it is not stocked with many of the necessary first aid items for use in an emergency. Second, many of the medicines are old and may have changed in strength so that they have become either harmful or useless.

Ordinary tincture of iodine, for example, may cause a burn when it is applied if the alcohol in it has partly evaporated. Other antiseptics may increase in strength in a similar manner, while some will disintegrate to the point where they are no longer useful. Hydrogen peroxide, for one, will break down with age and lose its antiseptic qualities; the organic silver compounds such as argyrol are also extremely unstable and may lose their efficiency within a single month.

Oust Old Prescriptions

It's a good rule to throw away the remains of all old prescriptions. Get rid of these medicines before Junior tries to incorporate them into a milk shake.

To protect your family, it is suggested that your home be equipped with a good supply of first aid items. Following is a list of equipment



CHECK YOUR MEDICINE CABINET and make sure you have the necessary items for first aid. Polly Le Haye, 3151, is studying the contents of the cabinet to determine what she has to order.

which is a good basis for first aid in the home:

- 2 oz. bottle of merthiolate
- 2 oz. bottle spirits of ammonia
- 2 oz. bottle of Foille, for burns
- 2 rolls 1/2-in. x 5 yards adhesive plaster
- U. S. Army tourniquet
- 3 oz. pkg. absorbent cotton
- Three 4 in. compress bandages
- Three 2 in. compress bandages
- 16 one in. compress bandages (Band-aids)
- Three 1 in. x 6 yd. gauze roller bandages
- Two pkgs. sterile gauze 12 in x 18 in.
- 40 in. triangular bandage
- Wire splint
- 4 in. bandage scissors
- Dropper bottle boric acid solution
- First Aid booklet containing instructions

The last item on the list is important. Have a good first aid book on hand and read ahead of the time you need it. It is especially important to read the paragraphs which cover the use of the tourniquet. The tourniquet is an essential in the well-stocked medicine cabinet, but learn to use it properly.

Good first aid books are easily obtained. Bauer and Black and Johnson and Johnson both put out excellent pamphlets on first aid and they may be secured at almost any drug store.

Photogenic "Sunny" Finds Modeling Aid To Getting Degrees

One day about nine years ago Anita "Sunny" McCoy started across a stream with her shoes in one hand and a camera in the other intending to take some pictures from the other side. Before she was halfway across her feet



went out from under her, the shoes went one way and the camera went the other.

Since then the pretty red-head hasn't been overly interested in picture taking. About six weeks ago, however, Herman Goldenberg, 1263, bought a new lens for his camera and he asked Sunny, who works in 1261, if she would sit for some portrait shots. That was when Sunny discovered she was extremely photogenic.

Besieged by Photogs

It was a pleasant surprise and it became even more pleasant a little while later when she was besieged with requests to pose for other amateur photographers at Sandia. It seems Her-

Sandia Musicians Play in University Summer Concert

Eight members of Department 2110 are playing with the University of New Mexico summer band and assisting in instrumental training in the University's summer school. They will end their summer of music August 2 when an outdoor concert is presented on the campus.

Those in the band are: C. A. Strange, clarinet; Ben W. Jolliffe, clarinet; C. E. Foster, trumpet; Philip Owens, trombone; Travis Bogue, bass horn; Karl Zimmerman, drums; Keith Schroeder, tympani; Richard R. Bassett, saxophone.

man had invited a group of his photographer friends over to his house for an evening. They saw the portraits he had made of Anita and the next day she began to get calls asking her to pose.

Until recently Sunny was working for the Corporation at night and going to the University of New Mexico days. An amazingly ambitious girl of 21, she is studying for two Bachelor of Science degrees, one in physics and the other in business psychology. She is planning for a job in physics administration.

Stores Offer Jobs

She has another semester to complete in order to get her degrees and her new hobby of camera modeling will help toward paying tuition. Just recently she received offers to model clothes for some Albuquerque stores, but now that she is working days at Sandia she doubts if she'll be able to take the jobs.

In addition to college, modeling, and working at Sandia, Sunny somehow finds time to paint and write. She is interested in modernistic art, in fact she took lessons from Howard Schleter, a well-known modernist. She has written many short stories, mostly character sketches, just to see what she could do. She hasn't thought about trying to get them published yet.



BUFFET DINNERS AT SALTON SEA are enjoyed by Sandia Corporation, AEC personnel and others at Salton Sea Base. Left to right are: Elmer Wason, 1614; Mrs. Jesse Severson, an employee of the Fred B. Prophet Co.; Arthur L. Merrill, AEC; and Mrs. John Keller, 2480.



NEW TOASTMISTRESS PRESIDENT, Mrs. A. L. Dyer, receives the gavel from the installing officer, Mrs. L. H. Stradford, junior past president. Mrs. H. C. Biggs, presiding officer, observes the ceremony.



RITA OF BARBERIA, owned by Leonard Barlow, 2243, is the proud mother of these eight fine boxer pups. This is Rita's second litter, there were five in the first. Untroubled by strangers and a camera, Rita willingly cooperated with the cameraman, but the puppies were unimpressed. Leonard is going to keep one female and sell the others.



SQUARE DANCERS EAT WELL. And here a group of veteran dancers at the Coronado Club stand behind a well-laden table. L. to R. John Dempsey, 4134; Dorothy Dempsey; Marion Tucker, 4134; Lola Tucker; William "Doc" Rehbeck, 2241; Betty Rehbeck; Gwen Dickason and Bill Dickason, AEC. The occasion for the groaning board was the birthday party held recently by the square dancers.

Promotions

DON B. SHUSTER has been appointed manager of Department 1620. He formerly headed 1264. Don is married and has two children. He came to Sandia Corporation in 1946 from Los Alamos. Prior to working at Los Alamos Don spent four years in the Army. He is 30 years old, educated at the Roswell, N. M., Military Institute. Mr. and Mrs. Shuster live in Albuquerque, Don's home town.



ROBERT F. BRODSKY is the newly appointed supervisor of Division 1121. He is married and has a daughter. Bob came here last year after teaching thermodynamics at New York University. A 26-year-old Navy veteran, Bob received his mechanical engineering degree at Cornell, his masters and doctorate of engineering science at NYU. His home town is Philadelphia, Pa.



MARGARET SYLVANUS has been named section supervisor of 4222-3. She came to Sandia Corporation in 1948 from the Bendix Aviation Corp. At the South Bend plant she was executive secretary to the vice-president of sales and later to the engineering director. At Bendix-Westinghouse in Pittsburgh, Pa., Margaret headed female personnel.



ROBERT W. DURAND has been promoted from receiving clerk to section supervisor of 2332-2. Bob is married and lives in Albuquerque. The 24-year-old veteran of two years service in the Navy joined Sandia Corporation in 1948. Previously he worked as a clerk in Needles, Calif., where he moved from his home town, Albuquerque.



W. RAY SIMMS was recently promoted from technician to section supervisor of 2332-2. Ray is married and has three children. He was employed at Sandia in 1948 after working for three years at the Oak Ridge National Laboratory. During the war Ray was employed by the Hercules Powder Company in Chattanooga, Tenn., his home town. Mr. and Mrs. Simms live on Sandia Base.





FLIGHT A WINNERS and Sandia Corporation Golf League champions are John Cavanaugh, 4133, Jack Hess, 4132, and Dan Freshman, 4216.

Flight A Team Cops Golf Championship

In the playoff between Flight A and Flight B for the Corporation golf league championship, Flight A team, composed of Dan Freshman, John Cavanaugh and Jack Hess won over Flight B winners, George Horne, Sr., Emil Deuschle and Lynn Price, two matches to one.

Dan Freshman, Flight A, beat George Horne, Sr., Flight B, in a see-saw match. The contest went to the final green before being decided. George rimmed a 20-foot putt on the last green which would have carried the match into extra holes had it dropped.

Lynn Price, Flight B, downed John Cavanaugh, Flight A, in a match that found Lynn completely upsetting the dope. It was all over by the fourteenth hole, 5 and 4. Lynn was hitting his shots well while Jack ran into putter trouble.

These two matches set the stage for the deciding contest between Hess and Deuschle, which proved to be a nip and tuck battle.

At the end of the eighteenth the match was all even and it was decided to play an extra nine instead of the sudden death playoff. The battle produced some exciting moments and went to the twenty-seventh before Jack won one-up to give Flight A the league championship.



FLIGHT B CHAMPIONS, runners-up in the Corporation golf league are Emil Deuschle, 4120, George Horne, Sr., 4134-2, and Lynn Price, 4122.



CHAUFFEUR EDMUND KUROSKI, Salton Sea, has been driving the Corporation's school bus since December, 1950. He takes the children of personnel at Salton Sea Base, Westmorland, Calif., to and from school each day during the school year. He also handles mail pick-up and delivery for Salton Sea Base. The trips sometimes total more than 80 miles a day and every mile is enjoyed by the youngsters. He's a great 'hit' with the kids. Ed has just completed his annual two-week tour of duty with the Army.

Softball League

The snarl for play-off positions in the Sandia Corporation Softball League became more complicated as a result of this week's efforts.

The Pirates, pointing for the Indians Thursday, fell before the Cubs last Wednesday by a score of 9 to 3. The game featured classy pitching by Yankee refugee Sam De Haan, who gave up only four hits, including a home run by Pirate Manager Ray Pierotti, in pitching the Cubs to victory.

Robinson Scores

The Cub attack was paced by John Robinson, whose grand slam home run in the fifth inning gave the Cubs their win margin.

When the curtain came down on the Indian-Pirate game the day the rains came, the Indians had hammered out a 12 to 11 victory. With two out in the last inning, Indian Roger Rice's double scored Shelton Shannon and Clive Foy to close the tight struggle.

Real hero of the contest was Don Collins, Pirate hurler. Used in relief roles all season, Collins faced down two of the best pitchers in Albuquerque's major downtown league—Shannon and Tex Arterburn.

Pirates Tie

Trailing by 10 to 5 at the end of the fifth, the Pirates came back with five runs to tie the contest. The drive featured home runs by Bob Sandiford and Oliver Bashor, and a triple by Howard Devaney. The Indians then brought in "No Hit Tex" Arterburn who was nicked for two more singles and a walk, but got out of the inning with nothing worse than a tie.

An important tilt between the Tigers and the Cubs will take place tonight at Diamond No. 1. The game bears heavily on the playoff berths, since only the Pirates and the Indians are assured of playoff slots.

The playoffs will be under the lights at 8 p. m. at the Army softball diamonds north of the new gymnasium, July 25 through July 27, and July 30 through August 1.

All-Star Game Set

The Corporation All-Stars will then go against the Army-Navy-Air Force All-Stars in a night tilt at 8 p. m. at the same field August 3. Aces like Arterburn will face Jerry Nied, the military flash, who also performs in downtown circles.

August 6 the annual base tournament between the All-Star nines of the Army, Navy and Air Force and the Corporation gets under way. Last year the Corporation team won.

The standings as of July 13 are:

Team	W	L	Pct.
Indians	16	1	.941
Pirates	12	6	.666
Cubs	10	5	.666
Tigers	9	8	.562
White Sox	8	6	.538
Cards	7	8	.466
Red Sox	7	9	.437
Yankees	7	11	.388
Dodgers	5	9	.357
Browns	0	18	.000

Square Dancing

The Duke City Cowboys will play for the square dance at the Coronado Club tonight from 8:30 to 11 p.m. All members of the Coronado Club and their friends are invited to attend. Free refreshments will be served courtesy of the club.

Enough people for five squares attended the final evening of square dance instruction last week. It was one of the most enthusiastic crowds of the year and they clamored for "just one more, Doc." At a result W. E. "Doc" Rehbeck was busy calling dances for an hour after the usual closing time.

What's Her Line?



Bette Lee Vick Is a Mathematician

As a mathematical analyst in Division 1613-1 Bette Lee Vick assists in solving a wide variety of problems brought to the division. She and her co-workers help find answers to the many mathematical questions submitted by other departments. The 28-year-old girl graduated from Iowa State College in 1946 with a bachelor of science degree. She came to Albuquerque from Cambridge, Ia., her former home. Bette was recently married to Clarence Vick, 1611-1.

There was a lift driver, McSneed, A cowboy unequalled for speed. With less than finesse He sure made a mess Of the truck and the plant and McSneed!

Classified

FOR SALE—

Small 3-room all modern house at 350 North Dutil Dr. Open house on Saturday and Sunday. Week days see owner at Ran-chitos Rd., RFD 4, Box 725. Partly furnished. John C. Brasemann, ext. 28143.

1948 Kaiser 4-door sedan, R&H, \$850. \$200 down, balance financed; table model radio phono automatic changer, \$25; junior western saddle and bridle, \$50. H. L. Calvery, ext. 26155 or Alb. 4-4370.

Full size ABC washer, wringer type, in excellent condition, \$25; two laundry tubs, \$2.50 each. A. Goodman, ext. 29149 or Alb. 5-0675.

Four New Brunswick heavy duty 600x16 tires, \$70 or \$18.50 each. Present replacement cost of set of four is \$86.48. Lindquist, ext. 22242 or Alb. 5-1057.

Full sized Hollywood bed and mattress, 6 months old; 1947 Ford trailer hitch. Palmer, ext. 24286.

1951 Ford V-8 sedan with overdrive, new car, \$200 discount, \$1,825. Take used car in trade. W. O. Smitha, ext. 21186 or 21241.

Dual intake manifold for all make Chev-rolts, 1937 through 1951, complete with carburetors and linkage, \$40. Mildred Brumley, WL-172.

New 1-bedroom house, with garage, fur-nished, lawn and trees. Low down pay-ment, payments \$46 per month. Mrs. Henry Foreman, ext. 28243 or see at 404 N. General Patch (near Sandia Base—4 blocks east of Wyoming).

Four new 710x15 white sidewall tires and tubes, \$85. Henry Ward, 1501 North Rich-mond, ext. 23149.

One bedroom home for sale or rent, com-pletely furnished, 7 blocks from corner of Central and Wyoming, large walled back yard and garage, good condition, im-mediate possession. Jean Shaffer, ext. 6147 or Alb. 2-6681.

22 ft. Century house trailer, awning, dolly, air conditioner, copper tubing completely equipped, \$850. M. W. Tippy, ext. 23255 or see at 2504 N. Cagua.

1947 Traveler 20 ft. house trailer, apt. stove and refrigerator, exceptionally clean, \$800. Paul Syroid, ext. 26239 or see at 1817 N. California.

New boat, 16'9" long by 5'4" wide, pres-ently on boat line at Conchas Dam, will let go reasonable. Sam Johnson, ext. 33236.

Taylor tot with shopping bag, \$8.50; play-pen, \$6; baby car seat, \$2.50, all together

for \$15. All in good condition. John Schmidt, ext. 33245 or 22252 or Alb. 5-4950 after 5 p. m.

1949 Chevrolet Styline 4-door sedan, radio and heater, nylon seat covers, new tires, new paint job, \$1295. Joe Hickey, ext. 26149 or see at 2133 N. Dickason. Inez Addition.

V-8 Ford radiator; twin smitty muffler kit; new, used 2 weeks, for 46-48 Ford, reasonable. F. E. Anderson, ext. 29151 or evenings, Alb. 5-9602.

RIDE WANTED—

North Palomas Dr. and Roosevelt vicinity to South Tech Area gate. Mozelle Mc-Minn, ext. 28257 or Alb. 5-0697.

458 Sycamore or nearby vicinity. Zena Ivey, ext. 25153 or Alb. 3-5776.

2900 N. Monroe vicinity to South Tech Area gate. Reba Allen, ext. 28257.

2804 N. Solano to West Tech Gate starting July 30. Mary Katherine Pino, ext. 21249 or Alb. 2-8635.

RIDER WANTED—

San Pedro Dr., Alvarado Dr., and Roose-velt Ave. vicinity. A. Goodman, ext. 29149 or Alb. 5-0675.

Free transportation to Ft. Benning, Ga. Want to get son's 1949 Ford to him. You drive, I furnish car and expense. E. L. Deeter, ext. 33139.

FOR RENT—

New two bedroom house with lawn, stove furnished, close to base at 624 N. Dallas, reasonable to right party. Mrs. Neil, ext. 26253 between 8 a. m. and 4 p. m.

WANTED TO TRADE—

Care for your dog or cat during your vaca-tion in return for care for our dog or cat during our vacation. J. O. Muench, ext. 21194.

LOST—

Fountain pen, Sheaffer lifetime, black with gold and blue cap. Lost between bldg. 860 and East tech gate. Reward. Jack Fullerton, ext. 33144.

One dangling silver earring, oval with small piece of turquoise in center, and one dangling Indian earring, silver and turquoise. Lee Ferrari, ext. 21151.



TWO SANDIA GOLFERS helped the University of New Mexico open its new golf course July 4. Joe Hickey, 3122, and Bob Book, AEC, were in the first foursomes which initiated the course. Joe and Bob were representatives of Sandia Corporation and the Sandia AEC office.

SANDIA BULLETIN

Vol. 3, No. 16 SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO AUG. 3, 1951

Scientist Finds Old Friends At Sandia Meeting

A number of former co-workers of Dr. J. Robert Oppenheimer stepped forward to greet him when he visited Sandia Laboratory recently.

Dr. Oppenheimer, now chairman of the general advisory committee



Dr. J. Robert Oppenheimer

of the Atomic Energy Commission, and member of the Department of Defense Committee on Atomic Energy, served as director of the Los Alamos Scientific Laboratory from 1943 to 1945. He is well known to many former employees of the University of California at Sandia.

One of the outstanding scientists in America, Dr. Oppenheimer has pioneered in the field of atomic energy and nuclear physics. He is director of the Institute for Advanced Study, Princeton University.

Prepayment of Dues Saves Coronado Club Members \$5 a Year

Coronado Club members will welcome the announcement made this week by the club board of directors that a saving of \$5 a year may be made by paying dues in advance. At the last meeting the board amended the rules to provide that members who wish to pay their dues in advance will pay only \$13 for six months or \$25 for a full year. The rate is \$15 for six months and \$30 a year for those who pay by the month.

The board also announced that dress rules will be enforced at scheduled functions. There have been instances recently where members failed to observe these rules. Men may shed their jackets at dances if they are wearing a shirt and tie, or they may wear sport shirts with jackets. The board points out that house rules are waived when a special function calls for different dress, such as the recent beach party. In addition, appropriate sports clothes may be worn when members are engaging in recreational activities such as bowling or ping pong.

The climate of the ballroom will be more favorable to the enforcement of dress rules in the very near future, according to board members. Four 5,500 c.f.m. evaporative coolers are expected within the next couple of weeks, and they will be installed on the roof of the ballroom.

To encourage the use of the club by Laboratory groups and organizations the board has relaxed the previous requirement that at least half the members of such organizations be members of the club. Hereafter any Sandia Corporation or A.E.C. group may use the facilities of the club twice a year for functions such as dances, parties, steak fries. The board assumes that everyone attending will be eligible for membership, and hopes that new members will be attracted.

AEC and Military Officials Meet at Sandia for Conference, Inspection

Key figures in the nation's atomic energy program visited Sandia Base Friday, July 20, for conferences and an inspection tour. The visit gave Sandia personnel an opportunity to explain the progress of the Laboratory and discuss various phases of the program with both military and civilian experts.

Participating in the conference were representatives of a number of committees in the Department of Defense and Atomic Energy Commission as well as staff representatives of the Armed Forces Special Weapons Project, the Special Weapons Command, Sandia Field Office of the AEC and Sandia Corporation.

Members of the Committee on Atomic Energy of the Department of Defense present were: Dr. Robert F. Bacher, chairman, Dr. J. Robert Oppenheimer, William F. Hosford, Brig. Gen. H. B. Loper, Brig. Gen. S. R. Mickelsen, Rear Admiral C. M. Bolster, Rear Admiral F. S. Withington, and Maj. Gen. D. L. Putt.

The Military Liaison Committee of the Department of Defense was represented by Rear Admiral C. F. Coe, Maj. Gen. R. M. Ramey, Maj. Gen. R. C. Wilson, Col. C. F. Ball, and Major A. E. Saari.

Representing the Committee on Atomic Energy Secretariat were: David Z. Beckler, executive director, Lt. Col. J. B. Dawley, Commander J. J. Fee, and Lt. Col. I. J. Harrell.

Members of the AEC Secretariat Staff at the conference were: Dr. H. T. Wensel, Dr. Herbert Scoville, Jr., Commander W. W. Walker, James W. Smith, and Lt. Col. R. O. Mitterling.

Thomas E. Murray, Atomic Energy Commissioner, was also in attendance at the meeting.

Representatives of the AEC Division of Military Application who attended the conference were Dr. Paul T. Fine and Captain John T. Hayward, USN.

Members of the Weapons System Evaluation Group who were at Sandia included: Lt. Gen. Geoffrey Keyes, Dr. Howard P. Robertson, Maj. Gen. Earl W. Barnes, Dr. George I. Welch, Col. Charles G. Dodge, and Dr. William J. Harvath.

From Armed Forces Special Weapons Project, Sandia Base, were Brig. Gen. Leland S. Stranathan, Rear Admiral F. M. Trapnell, Col. D. C. Doubleday, Captain Lawrence Baldauf, USN, and Commander J. H. McQuilken.

Special Weapons Command, Kirtland Air Force Base, representatives were Brig. Gen. J. S. Mills and Col. D. E. Hooks.

Commodore D. F. Worth (Ret.), Field Manager for the AEC at Sandia Base, was present at the conference.

Crafty Card Players Cashing in At Coronado Club

Money to pay the baby sitter, and more besides, is in prospect for sharp bridge and canasta players who sit in on the weekly games at the Coronado Club.

To whet the interest of the past-board shufflers the club puts up \$10 each week which is added to the 25 cents collected from each player. The amount is divided into prizes for the evening's play.

Attendance has been pretty light, recently, and it is reported that some players have been winning fairly consistently. Why not give them some competition one of these Thursday nights?

Next Thursday is canasta night, and the following Thursday the bridge foursomes will be vying for honors and cash. There are no Culbertson's in the bunch and trumping your partner's ace won't cause any more than a minor domestic crisis. You'll meet some new friends and have a lot of fun besides.

Old Friends Meet

The official visit of William F. Hosford to Sandia Laboratory as a member of the Atomic Energy Committee was of interest to many former Western Electric employees here, and especially



William F. Hosford

to President George A. Landry, who has known and worked with him for many years.

Mr. Hosford retired from the Western Electric Company in 1947, leaving the position of vice president in charge of operations. At that time he had completed 47 years of service with the company and was responsible for the supervision of all Western's manufacturing plants, engineering activities, and the nationwide installation department as well as the purchasing and radio divisions of the company.

In his opening remarks at the conference held here, Mr. Landry expressed his pleasure in having the opportunity to welcome as one of the conferees a man who had been his friend, his teacher and his boss in the Western Electric Company for nearly 30 years.

The two men were closely associated in defense production during World War II when Mr. Hosford, in his capacity as vice president in charge of operations, supervised Western Electric's tremendous output of equipment for the armed forces.

New Cafeteria To Be Located In Tech Area

A new lunch room conveniently situated for Sandia Corporation employees working in the Tech area will be opened soon. Located in the east end of Building 839, the cafeteria will serve lunches during the noon hour.

Food will be prepared in the Sandia Corporation restaurant in the Coronado Club. Included will be hot soups, sandwiches, salads, desserts, milk, iced tea and coffee.

The cafeteria will have a seating capacity of about 130 and will be comfortably furnished and attractively decorated.

Rifle-Pistol Club Members Have Picnic

Circle Ten Rifle and Pistol Club members and their families had a picnic last Saturday at the Fraternal Order of Policemen picnic grounds. Sandwiches, potato salad, beer and soft drinks were on the menu.

Members of the Club are Sandia Corporation security guards and the club is affiliated with the National Rifle Association.



A GIANT TORCH lighted the sky for miles around when this explosion took place during operation Ranger tests at the AEC proving grounds near Las Vegas, Nev., last winter. The blast scene has been preserved in pictures and prints of the test are now available to the public. The brilliantly colored lithographic print, 16x20 inches in size, may be secured from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., for 25 cents. These lithographs are excellent reproductions and are suited for mounting and framing.

New Benefits Announced For Employees Called to Arms

Sandia Corporation employees now on special military leave of absence and those who will be called later will receive important new benefits under a plan approved recently.

The main provisions of the plan, which covers all employees who entered military service since the outbreak of hostilities in Korea a year ago, are outlined below. Some of these provisions are provided by law, and others (notably items 2, 3, and 4) are granted by the Corporation in an effort to minimize the sacrifices of those who respond to the call to arms.

30-Day Leave

1. Leave of Absence:—Employees terminating to enter military service may be granted personal leave of absence for up to 30 days between the last day worked and their entry on active duty, to enable them to put their personal affairs in order. The special military leave begins on the day the employee enters military service and continues until his release from active duty.

2. Differential Payments:—To cushion the transition from civilian to military life, regular employees who have been with the Laboratory one year will receive a pay differential for three months which will assure them the same income for that period that they would have received for straight time work here. Those whose term of service is less than a year will be paid a differential for two weeks.

3. Dependency Allowance:—An employee who has been the head of the family for at least three months and has one year's service with the Laboratory when called to active duty will receive the differential payment for an additional three months, or a total of six months.

Sick Leave Accrues

4. Sickness Benefit Accrual:—Sick leave will accrue (to the maximum of 90 days) for employees on special military leave on the same basis and at the same rate as it would accrue if they were at work here. The sick leave accrued will be credited to the returning employee, or, if he is unemployable because of disability, payments will be made until the accrual is exhausted.

5. Vacation Pay:—Cash payment will be made for unused vacation accrual at the time the special leave of absence begins.

6. Group Life Insurance Plan:—

Eligible employees are covered by the plan for 31 days after leaving the Corporation to enter military service, and during that time they may convert the coverage to an individual policy, without physical examination, upon assumption of premium payments.

Option Offered

7. Retirement Plan:—Employees participating in the plan have the option of leaving their contributions on deposit, retaining accrual credit toward vesting requirements, or withdrawing their contributions and rejoining the plan when they return.

8. Re-employment:—Employees returning from military service will be re-employed in accordance with the provisions of the law with full credit in term of employment for the time on active duty with the armed forces. Every effort will be made to reinstate such employees to jobs at least equal in status to the jobs they left.

Employees now in military service who are eligible for differential payments will receive their checks as soon as the necessary information can be obtained to compute the amounts due them.

In the future those who leave to enter the service will be given the necessary forms to be filled out and returned after they are on active duty.

Hasten Reinstatement

Every effort will be made to expedite the reinstatement of returning employees, and they will be urged to notify the Corporation in advance of their return so that the necessary administrative matters (such as bringing security clearance up to date) may be started. Under the law, veterans have up to 90 days after release from service in which to apply for re-employment, but those who wish to return to work immediately upon discharge should let the Corporation know ahead of time.

The Public Relations Division, 3125, headed by Ted Sherwin, is the point of contact for all employees about to enter military service as well as those now on active duty. According to Mr. Sherwin the division is prepared to answer questions and provide assistance in all matters pertaining to military service and the service benefits plan. The telephone extension is 26150.

SANDIA BULLETIN

Friday, August 3, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

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Telephone Ext. 25253



Are You Getting Your Fun Dividend?

Over half the employees of Sandia Corporation and the AEC are missing the chance of a lifetime. They have not joined the Coronado Club!

In an effort to give new employees first hand information about the many advantages and opportunities offered by the Club, the Board of Directors recently authorized two-week courtesy cards for newcomers to Sandia. But this generous move doesn't affect the older employees who not yet have cashed in on an important dividend of employment at Sandia in the past.

Now the truth is that the Coronado Club hasn't been very aggressive about beating the bushes for new members, because the membership has been increasing steadily. But the increase hasn't been proportionate to the increase in personnel during the past year.

The dues are only \$2.50 per month (of which 40c is federal excise tax) and the amount has remained constant since the Club opened, despite rising costs. (See article on page 1 about saving \$5 by prepayment of dues.)

For those who are not members, here's a partial list of what you missed in July: four regular dances, two square dances, bingo, bridge and canasta parties, old fashioned movies, square and ballroom dance instruction, and a Sunday buffet dinner. For these many entertainment opportunities members paid only for food and drinks, and of course bingo. The card players make up a small pot which they divide among the evening's winners.

In addition to these scheduled events there were the daily features of the swimming pool and patio, the bowling alleys and game rooms, the bar and lounge, and the combined facilities of the restaurant and club available to groups or individuals for parties large or small.

A small, illustrated booklet will be published soon by the membership committee, and all employees will receive a copy.

Come have a look, and then get in on the fun. There's always room for one more, and once you join you'll wonder why you waited so long.

Salton Sea News

Orville and Mrs. Adamson, son Gary and daughter Connie Jo have just returned from a vacation which was spent visiting with their relatives in Ottumwa, Ia. Orville is in 2481-1. The Adamsons acquired a mighty good looking home on wheels during their trip.

A word of welcome is extended to Stanley Pickens, Property Clerk 1614, and Vaughn E. Plemons, Fireman 2482-2. Mr. Plemons replaces John L. Jopes who has transferred to 1614.

Joseph K. Hulsey, motor pool dispatcher 2483-2, is away for a 10-day vacation. Someone says that little Mercury got its ears pinned back Oregon way—neck and neck with those Fords—"See Me Go"—Have a nice time Jake.

Mitchel (Gildersleeve) Sparks, Salton Sea Water Commissioner, came home all smiles this past Sunday from San Diego—and who wouldn't be all smiles—what with that new "88" . . . "Gildy" is a single man too.

From all of the folks at Salton Sea to Donald A. Belmore, 3120, go the best wishes ever for a speedy recovery from his recent operation. We're pulling for you Don—and we miss those genial sayings—Are you tuned in ????

Mrs. T. A. Sprink has been visiting with her daughter and son-in-law for the past three weeks in New Jersey. Mr. Sprink and son Jack have been trying their hand at batching but don't seem to mind—you see word has just arrived that Mr. Sprink is the Grand-Pop of a bouncing boy and Jack is the proud uncle. Mr. Sprink plans to spend his vacation with that new grandson in the near future.

L. Wilson, 2482, seems to be feeling much better the past few days—must be that the Mrs. and daughter returned after an extended six weeks visit with their relatives in Oklahoma. You can take the Oakies out of Oklahoma but you can't take Oklahoma out of the Oakies!

Sally and Bobby McNabney, son and daughter of Mr. and Mrs. Vern McNabney, 2482-2, are spending their summer vacation with their grandparents in Fresno, Calif.

Welcome to Mr. and Mrs. Gabriel Quinones and children who have just moved to the Base. Gabriel is a Security Inspector.

Fire Chief Joseph Omlin and wife have just returned from a week's vacation with their children and grand children at Gold Beach, Ore. Understand that Joe did some fancy fishing.

Mr. and Mrs. Elmo Hirni, 1614, and son Bobby just returned from two weeks vacation spent in Exeter, Calif., where they visited Mrs. Hirni's parents, Mr. and Mrs. C. E. Rhodes and Elmo's father, E. L. Hirni. While there Mr. and Mrs. Rhodes went with the Hirni family over to the coast—stopping at Pismo Beach, Morro Bay, and other points along the way.

John Fernandez, wife Peggy and daughter Jean, just concluded an extensive trip through the Northwest. Traveled with Peggy's parents, Mr. and Mrs. M. G. Russell and her three brothers. Stopped at Canyonville, Ore., visited Crater Lake, drove along Columbia River, enjoyed beautiful scenery in Hood River Valley, then to Portland, Spokane, over into Montana and back through Yellowstone National Park, finally returning to their home, and back to work for John.

Best wishes for a speedy recovery are extended to Jack Stagner, 2417-2. Jack had a spinal fusion operation July 25.

The envy of all in 2417-1 is Stan Brooks who is sporting a new Chevy hardtop convertible.

Yellowstone National Park had another Sandian vacationing there recently. Earl Brown, 2417-1, went out there to see if it's really as cool as reported.

Vacationers in 2465 include Ruth Deaton and Ed Udey. Ruth is spending her time in Denver and Ed just returned from visiting his folks in Nebraska.

New credit auditor in 3220 is Quenton Kirkland who hails from Roswell, N. M.

Orlando Ulivarri, 3220, spent his vacation trying his skill with the rod and reel in the northern part of the state and in Colorado.

James W. Hook and family left Monday for a scenic trip to Montana. Jim is in 2210.

Laguna Beach, Calif., is a wonderful spot, says Cecil Johnson, 2210, who spent a portion of his vacation time there absorbing some of the sun and salt spray.

Don and Jane Worthen are leaving on their vacation tomorrow for Los Angeles where they will meet their daughter, Terry and Jane's mother, Mrs. Meda McCullen. Terry and her grandmother have been visiting relatives in South Dakota and will return to Albuquerque with Jane and Don following a two-week stay in California. Jane is 3170 secretary and Don is in 3230.

July 18 was the first wedding anniversary for Connie Gonzales, 2461-3 and her husband. Both of their families were on hand to help them celebrate.

It was quite a vacation this year for Lucille and Fred Montoya. The first in four years for Lucille who works in 2461-3 and the first in eight years for Fred. They leisurely drove to California and stopped in Los Angeles, Alameda, San Francisco and Santa Maria. On the return trip, they stopped at Las Vegas, Boulder Dam and Flagstaff.

Mary Schwartz, 2461-3, was happy to have her daughter Zona Merle return last Sunday from Denver where she has been visiting friends. Zona who is 12 flew and was quite excited over her first flying trip.

Emmie Segura, 2461-3, her husband and their daughter, spent the weekend in Taos recently where they attended the wedding of Emmie's sister.

Iva Watkins, 2461-3, vacationed in Brunswick, Ga., where she visited relatives.

George Blea, 2461-3, and parents took a two-week vacation to Southern California where they took in some swimming and visited some radio and movie studios in Hollywood. They were there on the Fourth of July and viewed the fireworks displayed in the Los Angeles coliseum. On their trip home they came through Las Vegas, Nev., and stopped by Boulder City and the Boulder Dam.

Mexico City was chosen by Laura Garcia, 2461-3, and her husband, Dan for their vacation. They visited many of the cathedrals and points of interest surrounding the city. They stopped off at Zacatecas, Mex., and also spent some time in Monterey.

A new employee to 2461-3 is Felix Castillo who is an Albuquerquean.

Delva Corbitt, 2461-3, spent her vacation in Oklahoma City where she visited relatives.

The Ernest Mares family is planning their vacation for this month. Their destination will be California. Ernest is in 2432 at West Lab. Other vacationers in 2432 include Lorenzo Rivera and L. D. Shoemaker who did some work at home; Orval Wallen ventured across the flood area to Illinois; Elmo Hubbard is planning a trip to Colorado and John Veeneman recently returned from the East.

A dinner party was held last Saturday night at Paradise Valley Inn by Department 4134-3. They were celebrating the yearly closing of the books.

Personnel of 4134-3 extend a welcome to Bill Prekker, Dorothy Larimer and Christine Ballentino. Bill is originally from Minnesota and prior to coming out to Sandia, was at the University of New Mexico and worked for an accounting office in Albuquerque. Dorothy came to Albuquerque from Pittsburgh, Pa., for a visit last February and liked it so much that she decided to stay. Christine transferred from 2114.

Harry Daniel, newest instructor to arrive in 1713, came here from Highland Park, Mich., where he was assistant director of the graduate school at Chrysler Institute of Engineering. In Indianapolis he attended high school and Butler University where he received a B.S. in journalism. After about six years in the cattle trading business with his father, Harry worked for G.E. in Fort Wayne, Ind., where he also attended Indiana Technical College and received a B.S. degree in electrical engineering. Harry is married and has two daughters, ages 16 and 9. The Daniel family is awaiting completion of their new home on South California, across the street from Walt Hook, another recent arrival in 1713.

Betty Moore, 1710, is taking next week as her vacation and plans to do nothing but stay at home and rest. Betty was hoping that her husband who is stationed here in the Air Force could get off too, but no such luck.

Ken Boyd, 1714, has just returned from a month's vacation trip to the east. The Boyd family drove to Uniontown, Pa., to visit Ken's father, then to Detroit and Bay City, Mich., and on to Madison, Wis., to visit other members of their families. Ken managed some fishing while in Madison and has pictures to prove his stories.

Earle George, 1714, had his father, mother and 13-year-old brother, all from Montrose, N. Y., visiting with him recently. His brother is staying on until the end of August.

The Research Organization will be sorry to lose Frances Hayes, 1120 department secretary. Frances is going to California to join her husband who has been recalled to active service. Carrie Pumphrey has been selected to replace Frances.

It's a girl for Dr. and Mrs. G. E. Pelsor. The new arrival has been named Geanell. Dr. Pelsor is in 1141. Congratulations.

Welcome to Ned Barnes, new messenger for 4211. Ned is from Clarendon, Tex. Has been living in Albuquerque a year and was employed by Safeway, Inc., before coming to Sandia.

Ella Jean and Herb Peterson will leave next Friday on their vacation. They will visit Herb's folks in Sacramento and will then tour northern California taking in such scenic views as Shasta Dam. Ella Jean is 3120 secretary and Herb works for AEC.

The fender mortality for feminine drivers in 2470 has been high recently. Betty Jo Shock, Alice Underwood and Goldie Tibbs are comparing costs and causes for their auto casualties.

Rio Grande Park was a hustle and a bustle with 2510 personnel recently when they and their families got together for a picnic.

Carl A. Ashby, 2512, went to Colorado a couple weeks ago. He says he saw all of the state.

The Johnny Robinsons, 2241, have had lots of excitement lately. First they became the proud parents of a daughter, Mary Helen, July 18 and a week later Johnny had to have his appendix removed.

W. T. Dobbins, 2242-4, left Monday on his vacation to visit relatives in Louisville, Ky.

Margaret Bird, 2130, spent her vacation at home and returned to work as rested as if she had been off a month.

Margaret and James Hagan are busy these days fixing up the yard of their new home at 1608 S. Stanford. Margaret who works in 2130 hopes to have lots of roses once she gets rid of the tumbleweeds.

Dalton "Doc" Savage, 2242, is a mighty busy person since he organized his dance band. Other Corporation employees in the band are Brooks Braffett, 2242 and Walt Spriggs, 2450. The music makers are currently playing at the ice arena.

A newcomer to 3151 is Marcella Edwards. Marcella hails from Keneth, Mo.

Helen Malloy, formerly of 3152, has been transferred to 1250 where she is departmental secretary.

Vacations in 3150 have been taken in large numbers and here are the plans carried out by the vacationers: Ray Powell has spent a two-week vacation camping in Colorado and New Mexico. Anne McAfee spent two weeks in St. Paul and Minneapolis. Garnell Dove and her husband Ray of 2123 were in Colorado and Illinois. Pat Farley made her first trip back home in Denver in over three years. Loretta Morris went through the floods to vacation in St. Louis. Vernon O. Henning vacationed in Colorado and Kansas and just missed the floods.

Welcomes are extended by 2452 to Edward Dillon, Bruce Jackson and Raymond Humes.

Ray Richardson, 2130, owns a 1947 Chevrolet and has found out how to get 80 miles per gallon. He parks the car and drives his newly purchased motor scooter.

Don Belmore, 3122, is reported to be recuperating rapidly after two major operations at Veterans Hospital. Don was formerly at Salton Sea.

Jackie Wotkins, 2251, is leaving August 3. She is moving to Denver where her husband will attend medical school. The office girls gave Jackie a luncheon at the Officer's Club the day before she left.

Organization 2251 welcomes Ann Robertson as Mr. Lefler's new secretary, also Alice Romero as Jackie Wotkins' replacement.

Transfers from 2251 include Malcolm Brooks who went to 2232; John Dobias, 2231 and Oliver K. Campbell, 2231.

Charles R. Walsh, 2251, is in the Veterans Hospital. Everyone is hoping he will return to the job soon.

Good Food and Lots of Know-How Go into Coronado Club Meals

Like wine in your sauce? Like pies fresh from the oven? Then take a peek into the Coronado Club kitchen where sauces savoring of sauterne, claret, burgundy or rum are specialties, and where 35 pies come steaming out of the ovens each day.

Chef Carl Hermann and his staff work in that modern kitchen replete



THE FIRST STEP in preparing a meal is to decide what you're going to eat. Here Eric Paulsen, Coronado Club manager, and Chef Carl Hermann discuss the menu.

with three huge stoves, three deep fryers, an electric steak maker, walk-in ice room, electric potato peeler, meat grinder, and meat saw, assorted ice boxes, refrigerators, and freezers, a gigantic bake oven, an automatic dish washer, a grill, a broiler, and waist-high stock vats for soup bases.



WINE FLAVORED SAUCE is a specialty of Cafe Coronado. Chef Carl adds sauterne wine to his mouth watering Poulette sauce.



IT'S A PLEASURE to keep cool with one of Mrs. Opal Rowe's colorful and tasty summer luncheons. Mrs. Rowe is the head pantry lady.



SUCCULENT PIES AND CAKES pour from Mrs. Viola Palmer's ovens at the rate of 35 a day. Mrs. Palmer is the wife of the first cook, Frank Palmer.

Eric Paulsen, Club manager, and Chef Carl plan skeleton menus about two weeks in advance. Meat is ordered direct from Chicago and Denver. The Denver meat sometimes comes through a packing house in Albuquerque, Eric says. All vegetables and staples are purchased in Albuquerque.

The kitchen staff includes the chef, a luncheon cook, a dinner cook, a pastry maker, salad woman, kitchen helper, and several utility men and women. They work in shifts from 6 a.m. until noon preparing the luncheon meal and spend the afternoon readying dinner.

Non-Profit

Eric reports an average clientele of 50 at breakfast, 250 to 350 at lunch, and 100 to 180 at dinner. The average prices are 45 cents for breakfast, 75 cents for lunch, and 95 cents for the evening meal. The Coronado Club restaurant is a non-profit business—Sandia Corporation pays the Anderson-Dunham catering firm a fee to operate the restaurant, and prices are set with the idea of just breaking even on the cost of obtaining, preparing and serving the food.

In addition to regular meals the Club serves all types of banquets. "If you want flaming duck or squab with wild rice, we can arrange it," Eric says.

But for good food, wholesome food with just a touch of the exotic, the Coronado Club meals are designed to satisfy both palate and pocketbook. Patrons of the dining room pay no premium for frills, unless they request the extras.



DINNER IS SERVED as Norma Safely moves her tray down the cafe-terria line. Irene Wilson dishes it out and Frank Palmer, first cook, moves the food from the stove to the steam table. Come and get it!

Variety of Dances Offered by Coronado Club During August

Coronado Club Manager Eric Paulsen has issued a plea to members to make their reservations early for all dinner functions where table space is desired. The buffet dinner this Sunday evening will be well attended as usual and those planning to attend should make their reservations today if possible. Incidentally, your reservation for this function can't be held after 6:30 p.m. unless the club is notified you will be late. Prices are the same: \$1.75 for members, \$2.25 for their guests.

Eat Your Fill

For those who have missed the previous buffets, here's the picture: the chef sets up a huge smorgasbord table and members help themselves while enjoying a before-dinner drink. After whetting their appetites sufficiently the patrons pick up a tray and go through the dinner serving line. They have a choice of many main dishes and may take as much as they can eat.

Tables are arranged cabaret style around the ballroom and an orchestra will be playing until 10 p.m. This time the dinner and dance rhythm will be supplied by Rita's orchestra.

Saturday night dancers will step off to the lively music of Bob Van Driel and his orchestra tomorrow night. The band will play from 9 to 1 as usual, and there is no charge to members for the informal dance.

Chant and Warble

This evening's entertainment special is a regular square dance. The sets will form at 8:30 and the callers will chant and warble their instructions until 11:30.

Featured next week at the club is the Thursday night canasta party and a Saturday night dance with Tom Morgan's band. The following week there will be more Arthur Murray dance instruction on Tuesday the 14th, Bingo the 15th, bridge, square dancing and another informal dance on the next three nights.

Social highlight of the August calendar is a formal dinner dance set for August 25, with dinner at 8 and dancing 'til 1 a.m. The price will be \$2 per person.

Congratulations are extended to Lt. Cmdr. Al Bureau and Mrs. Bureau on the recent birth of a daughter, Barbara Gail, weighing 6 lbs. 11 oz. Al works with 1220.

YOUR FUTURE
Will be Brighter if
You Participate in
Your
Retirement Plan



IT'S MEALTIME for the litter of Boxer pups owned by Admiral George P. Kraker. The mother of the litter, Frieda V. Eisabeck, looks on as the hungry 8-week-old pups concentrate on food. Father of the litter, Duke of Albuquerque, is also owned by Admiral Kraker.

Home Made Trout Flies Sure-Fire For Charlie Hines

"And I caught one that big," says Charles Hines, 4212-3, extending his arms to about a five-foot distance as he describes the effectiveness of his self-tied dry flies. Charlie started his lunch-hour hobby of making flies this



Charles Hines

spring just before fishing season opened. He can now tie about five flies for the price of one purchased readymade.

"When I first started, I was all thumbs," he says. It took him about a half hour to tie one fly but now that the amateur stage has passed, Charlie can whiz out a Royal Coachman or a Grey Hackle Peacock in five minutes. Although, that isn't quite true of the Mosquito, which Charlie claims is the most difficult. He worked all day Saturday on his first Mosquito and when he finished he says he had something that looked like a crushed worm.

"Hines Killer"

Most of the flies are tied according to a pattern book. But Charlie, having initiative, soon found himself deviating from the patterns and one result is the "Hines Killer". This is his specialty and he found it to be most effective on his recent vacation trip to Columbine Lake, Colo. He says he has a freezer full of trout to prove it.

The necessities for taking up the fly-tying hobby include hooks, nylon thread, beeswax, deer tails, cotton floss, feathers, flyhead cement, hackle pliers, scissors and a vise. Actually there is nothing to it—that is until you try to make the fish believe that a piece of dyed deer tail, feathers and cotton floss is actually a winged insect. The quality of your workmanship is then apparent.

Doughball Competition

Charlie has found a little skepticism on the part of a co-worker relative to the use of flies for trout fishing. Richard Kidd, Jr., 1222, claims that doughballs (ordinary bread wadded into small balls) are much better than flies but naturally Charlie thinks flies are unequalled, especially his self-tied creations. He displays the typical scorn of fly fishermen toward the bait casters.

All of the Hines family are fishermen. Elaine, Charlie's wife, can hold her own with a rod and reel and Chuck, their son of 3, tried his skill for the first time this summer. So far, Charlie has only made flies for the family's use although he has been asked to sell some.

Coronado Club Schedule—August

- Friday, Aug. 3—Square Dance, 8:30 p.m.
- Saturday, Aug. 4—Dance, Bob Van Driel band, 9 p.m.
- Sunday, Aug. 5—Buffet dinner and dance. Dinner 5-7:30, dancing 6 to 10. Rita's music.
- Thursday, Aug. 9—Canasta, 25 cents per person, 7:45 p.m.
- Saturday, Aug. 11—Dance, 9 p.m. Tom Morgan band.
- Tuesday, Aug. 14—Arthur Murray Dance instruction, 8:30 p.m.
- Wednesday, Aug. 15—Bingo, 8 p.m.
- Thursday, Aug. 16—Bridge Party, 25 cents per person, 7:45 p.m.
- Friday, Aug. 17—Square dance, 8:30 p.m.
- Saturday, Aug. 18—Dance, Orlie Wagner Orchestra, 9 p.m.
- Saturday, Aug. 25—Formal dinner dance, dinner 8 p.m., dancing 9 p.m. \$2 per person.
- Tuesday, Aug. 28—Arthur Murray dance instruction, 8:30 p.m.
- Thursday, Aug. 30—Slide talk, Spanish-Indian missions, 8 p.m.

Women's Club

Sandia Base Womens Club met at 10 a.m., August 2, at the Officers Club for a Coffee which featured a fiesta theme. Mrs. J. W. Burfening, Mrs. Marvin Pope and Mrs. H. J. Salsbury were hostesses.

Mrs. K. W. Erickson, program chairman, announced that the August 16 meeting would present a fashion show. Mrs. Burfening, activities chairman, announced that bridge and canasta will be played Monday, August 20, in the library at the Officers Club.

What's My Line?



What is this Man's Job With Sandia Corporation?

It would be a good idea to consult this man before starting on a picnic. His work involves scientifically based predictions. He uses data derived from delicate instruments. His job has been the subject of many cartoons and jokes, but his line of work is a vital part of our national economy. What's his line? Turn to page 6 for the answer.



A GREAT TIME WAS ENJOYED BY ALL. The setting was a beautiful buffet dinner at Salton Sea Test Base and the occasion was a get-together of the Square Dancing group. Pictured in the foreground are Frank Erganian, second cook and baker at San Felipe Lodge; Mrs. Sylvia Absher, chef; and Mrs. Katherine Brandt. Background, from left to right Mrs. Jesse Severson, Arthur L. Merrill and Mrs. John Keller. Special attention is directed to the centerpiece which was one week in the making. Quite a stack of jelly.

Weddings Engagements

Cupid has been a busy fellow this summer and weddings and engagements of Sandia Corporation employees are continuing to be announced.

Frances Ann Newell, 3124, will become the bride of Petty Officer Leslie L. Hines, USN, some time this fall. Frances is an Albuquerque girl and her fiancé is from Madison, S.D. He is presently on a six-months cruise aboard the aircraft carrier USS Coral Sea, and the couple will be married upon his return.



Sal Chavez and Clara Sanchez will be married August 11 in Belen. Sal works in the Administration building newsstand. The couple is from Los Chavez, N. M.

Ralph W. Olson, 4215, and Joan Valerie Thompson were married yesterday in St. Charles church. Both are natives of Albuquerque and Mrs. Olson is presently a student at the University of New Mexico. The couple is honeymooning in the northern part of the state.

Walter Dzugan, 3152-1, will marry Marion Martelle during a nuptial mass in St. Charles church tomorrow. Walter is a 1950 graduate of the University of New Mexico and Marion is a nurse at St. Joseph's hospital.

The engagement of Julian Torrez, 2415, to Lola Cehvira was announced July 7. Both Julian and his fiancée are from Dome, N. M.

Bowlers Start Organization of Winter League

Preparations are under way for the winter bowling season at the Coronado Club. Alleys will be resurfaced and new pins ready for the start of the season. An added convenience this season will be an electrically operated ball cleaner which will save the boys and girls some elbow grease.

The Board of Directors of the Coronado Club has ruled that all league bowlers this season must be members of the Club. This action has necessitated a reorganization of the leagues with some of them bowling downtown and some electing to bowl on the base.

Two leagues are already planning to bowl at the Coronado Club this season. The ladies' "Insect" League expects to get organized soon for bowling on Tuesday night and the men's "Indian" League will bowl on Friday.

Men interested in bowling on Friday night should contact league secretary L. H. Huenefeld, ext. 31237, as there are still a few vacancies in this league. Lady bowlers are asked to give their names to Jackie Downing, ext. 26149.

Unattached bowlers who can meet membership requirements and wish to participate in organized league bowling are requested to turn in their names to one of the men listed below so that plans can be made for organizing additional leagues if sufficient numbers indicate an interest in such activity.

Building	Name	Extension
301	J. L. Hickey	26149
800	R. H. Collins	4151
808	C. C. Whitney	6248
829	L. Huenefeld	31237
834	Fred Bentz	29156
835	R. L. Culley	24159
838	P. J. Priore	33245
840	G. D. Horne, Jr.	23242
857	D. Dierks	28259
860	J. E. McGovern	23243
892	L. R. Nelson	26157
894	C. J. Baumgartner	22235

AROUND THE DEPARTMENTS

A new son is the pride and joy of Barbara and Paul Pierson. They've named him Bruce. Paul works in 2113-3 and Barbara was formerly 2000 secretary.

Mary Lee Cunningham and husband are the proud parents of a daughter Melinda Lee born recently. Mary Lee used to work in 2112.

Medical Department personnel, 3160, extend a welcome to Connie Wright. Connie has been in Albuquerque since February; her husband is stationed at Kirtland Air Force Base.

Boston and Cape Cod were chosen by Lucy Repetti, 2313, and her husband for their recent vacation.

Congratulations are extended to Mr. and Mrs. A. J. Roth, 2311, on the recent birth of a daughter, Erica Ann.

The flood waters of Kansas were viewed by E. J. Dadian, 2331, and family when they traveled to Reneselaer, Ind., on their vacation. One section they went through had sand bags about ten feet high along the highway and looking out the car window they could see the water behind the bags at eye level. There was one section in Oklahoma where ten miles of countryside was under water.

Personnel of 1270 welcome Bonnie Conley and Billie Todd to their organization. Bonnie is a new employee and Billie is a transfer.

Bob Scharrer and Bill Davidson, 1614, recently made a weekend trip over to Arrowhead Springs and Big Bear Lake in the San Bernardino Mountains. They work at Salton Sea.

Two new girls in 2461-2 are Irene Brian and Mary Katherine Beard. Irene's husband is stationed with the army at Sandia and Mary Katherine hails from Gastonia, N. C.

G. P. Kauffman, 2472, is back on the job after an emergency operation. His co-workers say it's nice to have him back.

Geraldine Hahn, 2471, and Harry, her husband, 2123, are leaving for Michigan on their vacation. They will visit relatives and try their luck fishing on Lake Michigan.

We're mighty glad to see Mrs. Leota Cain, wife of Whitey Cain, 2483, back home again at Salton Sea. Leota has just returned after undergoing major surgery at Redlands Hospital in Redlands, Calif.

New faces in 2120 include Eleanor McPhate, an Albuquerquean; Billie Hewitt, Port Arthur, Tex.; Bernadine Cervantes, Tucson, Ariz.; Florence Sander, Superior, Wis., and Ed Becker, a native of Albuquerque.

A welcome is extended to Bill Denison by 1283. Bill was graduated from the University of New Mexico in June and is not a newcomer to Sandia. Since April 1946 he has been working here during his summer vacations.

Nora O'Neal, 1280, has taken her vacation to entertain her sister and nephew who are here from Canada. They are going to Arizona to visit relatives.

Clarinda Martinez, 2331, enjoyed her two-week vacation in Los Angeles and San Francisco.

Sandia Corporation Promotions



JOHN E. TILLMAN has been appointed manager of Department 2120. He formerly headed division 2122. John came to Sandia Corporation in 1948 from the Aviola Radio Manufacturing Company in Phoenix where he had worked for two years as a receiver designer. From 1935 to 1946 he held a similar job with General Electric at Bridgeport, Conn., John's home town. He also worked in receiver production at the RCA plant in Camden, N. J., for two years. Mr. and Mrs. Tillman live in Albuquerque. Department 2120 was formerly headed by Luther M. Yost. Mr. Yost is manager of the newly-formed Department 1230.



JAMES E. MCGOVERN was recently promoted to manager of the newly established Department 2320. He was formerly Division Supervisor of 2313. Jim is married and has three children. After 10 years with the Civil Service Commission, as an assistant property officer, Jim joined the Army. While in the Army from 1944 until 1946 he was stationed at Sandia Base with the Manhattan Engineering District part of the time. He joined Sandia Corporation in 1950. Jim is 37 years old and he and his family live in Albuquerque.



ALFRED H. SPENGE MAN has been named manager of the newly-formed Department 4150. He was previously Division Supervisor of 4134. Al is married and has three children two sons aged 12 and 2 and a 7-year-old daughter. He came here in 1949 after working a total of 16 years with Western Electric at the Hawthorne plant in Chicago as an accounting coordinator. Al's home town is Jersey City, N. J., where he was born, but he's spent most of his life in Chicago. He and his family live on Sandia Base.



HARLAN LENANDER has been appointed Department Manager of the newly formed Department 1630. He formerly headed 1111. Harlan is married and has two boys. He came here in 1949 and his experience includes 3½ years with the Naval Ordnance Laboratory in Washington, D.C., designing degaussing coils, used to protect ships against magnetic mines; 1½ years in charge of the west coast office of the Naval Ordnance Laboratory; and 3½ heading the guided missile test unit at the Inyokern Naval Ordnance Test Station in California. He is 33 years old and lives in Albuquerque.



JOHN GRAY, JR., has been promoted to Department Manager of 4140 from his former position as Division Supervisor of 4141. John is married and has three children. He came to Sandia Corporation from the Western Electric Company in 1950. John worked for W. E. for 17 years, principally at the Kearny, N. J., plant and in the New York offices. He was a department chief in methods when he transferred to Sandia. The Grays live on the Base.



EARLE PACE has been named supervisor of Division 2312. He is married and has a 10-year-old daughter. Earle joined the Sandia staff in 1949. From 1940 to 1947 Earle worked with the research staff of State College, Pa.; he was a project engineer in charge of the basic research program at Key West, Fla. In 1948 Earle transferred to the Harvard research staff project as a research associate. He has taken courses at both the University of Kentucky and Harvard. Earle lives on the Base with his family.



C. E. "CHUCK" FOSTER has been promoted to Division Supervisor of 2114. He is married and has two children. Chuck graduated from Lowell Technical Institute, Mass., in 1942 with a B.S. degree and went to work at the M.I.T. Radiation Lab. After 2½ years he went into the Air Force and found himself right back at M.I.T. where he was assigned another year and a half before his discharge. He was then employed by the Taylor Instrument Co., Rochester, N. Y., for 1½ years until he came to Sandia in 1948. Chuck is 32 and lives on the Base with his family.



EDWARD KAHLER has recently been appointed supervisor of Division 2313. He is married and has a 9-year-old daughter. Prior to joining Sandia Corporation in 1950, Ed worked for 14 years with the Western Electric Company at the Hawthorne plant in Chicago. He was concerned primarily with purchasing expediting. Ed's home town is Wilmington, Ill., where he was born 34 years ago. The Kahler family live on Sandia Base.



CURT BIGGS was recently appointed supervisor of Division 2122. He is married and has two children. Curt came to Sandia Corporation in 1948 from Consolidated Vultec in San Diego where he worked for 2½ years as an engineering designer. He also worked for the University of California as a transformer designer and with the War Department designing a radio receiving station. He has a B.S. in electrical engineering from the University of California. Curt is 34 and lives in Albuquerque.



JAMES T. BROWN is the new Supervisor of Section 4221-1. He was formerly an employment interviewer. Jim, who is 33, joined the Corporation last year. Before coming here he taught engineering at Lehigh University, Bethlehem, Pa.; St. Helena extension, College of William and Mary, Norfolk, Va.; and at the University of Illinois extension, Chicago Heights, Ill. Jim has a B.S. degree in industrial arts from Northwestern University and an M.A. degree from Lehigh. Jim and his wife live in Albuquerque.

Comedy, Drama, Tragedy Mark Years Of Service on New York Police Force

Twenty-one years of close contact with the seamy side of life in a great city has left ex-cop Nick Tarnawski, 2452, with a love for open spaces, fresh air, and his job as sergeant of security inspectors.

Nick retired from the New York police force last August and came right out here to work for Sandia Corporation.

Battles Mirror

Patrolling the streets of New York brought Nick face to face with the stark drama that always exists behind tenement walls. He remembers many tragedies. But there was comedy, too. Nick tells of the night



Nick Tarnawski

he and a burly fellow officer were checking saloons along the Bowery. One of the dimly lit dives they entered had a full length mirror just inside the door. In the smoky light Nick's husky companion mistook his reflection in the mirror for a belligerent customer. He strode forward, shouting at himself to sit down, and crashed head-on into the glass.

When Nick joined the police force in 1929 he was 22. His early years as a policeman were spent during the lawless era of prohibition and the depression when he worked as a patrolman in the Chinatown-Little Italy area. Chinese tong wars and battles between bootlegging gangs raged throughout the city and the Black Hand and Mafia, Sicilian secret societies, were still powerful. Nick walked his daily beat through their strongholds.

In that tough neighborhood a cop was viewed with suspicion. Nick was no exception. It took two incidents to win the confidence of the people he was assigned to protect. One day he heard screams from a building on his beat. He rushed inside to find a baby had fallen into a tub of boiling water. Within moments Nick had organized the infant's bewildered relatives. Calling for olive oil, a common article in Italian households, he doused the baby in it, and the child's life was saved. The family was effusively grateful, the

first step in breaking down the neighborhood's cool reserve.

The slum dwellers finally accepted Nick when his quick first aid saved the life of a woman who was bleeding heavily after a varicose vein in her leg was clawed open by a cat.

Later in his career Nick became part of the city's first attempt at helping underprivileged children. He instructed the youngsters in sports and good citizenship.

He left the juvenile program to work with the police department's chief inspector during Louis Valentine's term as police commissioner. Later, when he was promoted to sergeant, Nick operated as a detective in Harlem while Fiorello LaGuardia was mayor.

Nick looks back on his years as a policeman with a great deal of nostalgia, but he knows he'll never return to the rush and clamor of big city life. He's enthusiastic about his work here and now, for the first time in his life, he can devote himself to his home and garden.



Luther Yost

Up the river and around the bend,
All join hands and we're gone again.
And here we go in the old chuck wagon,
Hind wheel off and the axle draggin'.

It's an art to call a square dance, even a greater art than dancing one. But here, ladies and gentlemen, is Luther Yost, 2120, proficient at both calling and dancing, doing his stuff exuberantly at a recent party of the Coronado Club Square Dance group.

Loves America For Its Freedom, People, Climate

America's most likeable people and most likeable climate are found in Albuquerque, says Dr. Marcel I. Weinreich, 4221, who since coming to the United States in 1939 has traveled



Marcel Weinreich

from coast to coast looking for just such a spot.

Flees Hitler

Marcel was born in Latvia and as a youth resided, traveled and studied in Russia, Turkey, Poland, Germany, Switzerland, Italy, Austria, France, Belgium, England and Mexico. He chose freedom and liberty in America when the totalitarian regimes of Hitler and Mussolini proved to be intolerable. Freedom and liberty rate high with him in that there have been times in his life when he has been deprived of them. In 1919 during the Russian civil war, he was forced to keep one step ahead of the revolutionists until he escaped to allied occupied Turkey.

Several months ago Marcel became a translator for Sandia Corporation. He speaks French, Spanish, Italian, Portuguese, German, Russian and Polish fluently and possesses a working knowledge of seven other languages. Added to his credit are numerous scholarly publications in various languages one of which is his book on history and sociology, "Max Weber—The Man and the Scholar," published in France.

Noted Scholar

Linguistics and humanities are Dr. Weinreich's main fields of concentration, but he has also devoted a good deal of time to the physical and biological sciences. He has attended such leading European universities as Heidelberg in Germany and University of Milan in Italy and was granted the doctorate of the Faculty of Letters by the University of Paris (Sorbonne) with the highest academic honors.

He, his wife, Carmel, and their son, Stephen Paul, have chosen the north valley district of Albuquerque for their home. Carmel, whom he met in Puerto Rico, is also a linguist. The Weinreichs are all boosters of the southwestern way of life and they are ready to proclaim in seven languages that Albuquerque is a wonderful place to live.

Seeing New Mexico on Weekends



SAN FELIPE DE NERI, established in 1706, dominates the beautiful and historic Plaza in the center of Old Town. Services have been held daily in the church for over 200 years and here residents of the vicinity wait for a wedding party to emerge from the door.

Not in the classification of a weekend trip, but certainly a fascinating bit of "old" New Mexico is Old Town, which is also known as Old Albuquerque. Situated one block north of West Central Avenue at the 2000 block near the Rio Grande, the section is filled with the romantic atmosphere of old days. A few hours visit to Old town will be a fascinating experience to the newcomers to Albuquerque.

In the year 1706 Don Francisco Cuervo y Valdez brought a few Spanish families down from the settlement at Bernalillo to settle four leagues of land which centered upon what is now Old Town Plaza. Since that time residents of the villa have seen history made. The flag of four nations has flown over the Old Town Plaza: Spain, Mexico, the flag of the United States and for a short time in March 1862 the Confederate flag.

The focal point of life in the old village was around the church of San Felipe de Neri which is still standing and in daily use. Great ranchos grew up in the area and

land owners boasted herds of many thousand head of cattle. Life held its terrors too for there were Indian raids and disease which took heavy toll of life through the years.

Old Albuquerque was on the cross-country freight routes and yanquis (yankees) drove their wagon trains through the town on their way to the coast. Spanish freighters took their wagons on the El Camino Real, The Royal Highway, from Santa Fe to Chihuahua, Mexico.

Today Old Albuquerque is surrounded by New Albuquerque, but the charm and color of the years gone by remain. The plaza is surrounded with shops in buildings which were new when Ben Franklin was a boy. Services have been held daily in the church for the past 200 years. Books are written in the old villa and pictures are painted. Authors and artists now make it their home and much of Albuquerque's cultural life is centered on Old Town Plaza. Almost every Sunday special Indian dances are staged on the plaza and camera fans have an excellent opportunity to photograph dances which are usually seen only at Pueblo ceremonials where pictures are forbidden.

Variety—the Spice Of Life, But It Gets Too Monotonous

A man of many talents is Irvin W. Long, 1714, who has been a college professor, a traveling salesman, a lecturer in geography, a report clerk for the Army Engineers, a radio and radar specialist, advisor to the Air Ministry in Brazil, and



Irvin Long

is now a technical writer here at Sandia.

While he was working in Brazil, Irvin traveled all about the country to the various military bases supervising training. He says they had to speak Portuguese most of the time and one of their duties was to translate operating manuals from English to Portuguese. Living conditions were wonderful, he says, and he and his wife, Martha, and their

SPECIAL NOTICE

A new swimming class for children aged 8 to 12 will begin Monday, August 6, under the instruction of James Hinson. The class will meet from 9 to 10 a.m. each week day at the Coronado Club pool.

This class is in addition to the regular classes scheduled for children and adults each Tuesday and Thursday afternoon from 3:30 to 6 p.m. with Dan Aycock instructing.

son, Billy, lived a life of luxury. His college professor days were after his adventures in Brazil in his home town at Eastern Washington College of Education. Then during the summers he was a salesman for school supplies.

Reported on Air Base

In 1942 Irv was a civilian clerk for the Army Engineers and submitted reports on construction and progress of the Army Air Base at Spokane, Wash. He then went to St. Louis University, St. Louis, Mo., and attended the Army Air Force Radio Instructors School for three months.

Also attending the school at that time were Max Weber and Iyan Moore, who joined the Sandia Laboratory staff soon afterward.

So far it's been a full life for Irv Long, and it hasn't all been work. He has seen many parts of the country in addition to Brazil, the Caribbean and the north coast of South America. But, he says he now very content in Albuquerque and his job with the Corporation.



THE FIRST CERTIFICATES for group life insurance issued to personnel in 2234 were delivered recently. The insurance goes into effect automatically when an employee of Sandia Corporation has completed two years of employment in regular pay status. L. to R., Wilson Hicks, 3 years service; LeRoy Hassbrook, 2 years, 8 months; Clark D. Read, 3 1/4 years, division supervisor, who is handing a certificate to John W. Howard, 2 years, 7 months; and William E. Myers, 4 1/4 years. Employee Services recently completed the job of distributing certificates to those who were covered when the plan became effective June 1.

SANDIA SEEDS

Leix Padilla

PUT AWAY RECORDS
MAKE WITH THE
TOM TOMS.
TOURIST COMING!



Classified

FOR SALE—

Two-bedroom house on 1/2 acre in south valley. Less than G.I. appraisal, landscaped. Dwight Shoemaker, ext. 24 West Lab or Alb. 2-8292.

1949 Harley-Davidson motorcycle, model 125, 5,000 miles on it, excellent condition. G. E. Stapleton, ext. 2-9158.

Washer, complete with cover, \$50, excellent condition, used 1 year. Alma Vandeveldt, ext. 29140 or Alb. 5-8174 after 5 p.m.

1949 Custom Tudor Ford, 6 cylinder, radio, heater, turn indicator, upholstery, excellent, 19,000 miles. C. H. DeSelm, ext. 21152 or Alb. 5-2634 or see at 513 S. Carlisle.

1951 Model, 38 ft. Victor trailer house, two bedroom and complete bath with tub and shower. Carpet from wall to wall in living room. Will consider car as part of down payment. Mrs. Janie Wilson, ext. 28242 or Alb. 5-7422.

Two-bedroom house, relatively dust-free area, landscaping and sprinklers fore and aft, wall air, FHA loan of \$8400, available to qualified buyer, selling price \$12,000. W. L. Dondanville, ext. 156 West Lab or Alb. 2-9332, 2727 San Joaquin Dr.

Three-bedroom buff brick house, 1 1/2 tiled baths, wall to wall carpet, walled back yard, lawn front and rear, sprinkler system front, water softener with complete piping, 12 trees, rose bushes and shrubs, other extras, good financing, \$12,200. E. M. Skinner, ext. 23145, 2607 N. Flower, Hoffmantown.

1949 Chevrolet Deluxe styleline 4-door sedan, sea foam green, deluxe radio and heater, nylon seat covers, undercoating, new tires, 17,500 miles. A one owner car and a real beauty for \$1295. Joe Hickey, ext. 26149 or see at 2133 N. Dickason, Inez Addition.

1949 Willys Jeepster, 31,000 miles, excellent condition, \$1,050. L. M. Gambrill, ext. 22143.

Boxer Pups, brindle, AKC registered, 8 weeks old, excellent show class, predominantly Sirrahrest and Mezalaine strain, reasonably priced. G. P. Kraker, ext. 5162.

RIDES WANTED—

509 N. Carlisle to S. Tech Gate. Edna Weaver, ext. 28257.

5000 N. 12th or share rides. Mary Matthews, ext. 29241 or Alb. 4-0634.

2709 Meadowview Rd. to South Tech Gate, 4:30 p.m. to 12:30 a.m. shift. Mrs. Phyllis Harris, First Aid Station No. 892, ext. 22255 or Alb. 2-8505.

Vicinity of Prospect and Hoffman Dr. in Inez Division to South Tech Area Gate. Lucille O'Conna, ext. 28257.

Central and Broadway or Coal and Broadway. Sadie S. Greenleaf, ext. 23148.

Candelaria and Manchester and vicinity to North or West Tech Gate. Carolyn West, ext. 29140.

Twelfth and New York, Leo Apodaca, ext. 23238.

FOR RENT—

3-room duplex, furnished. Frances Hayes, ext. 28156 or Alb. 2-0578, 2709 E. Silver.

LOST AND FOUND—

Found, Regens cigarette lighter, east parking lot. Irene Heck, ext. 26139.

Lost, one earring, white enamel and rhinestone between bldg. 804 and tech area gate south of the ad bldg. Betty Moore, ext. 5139.

Lost, Ronson "Adonis" pocket lighter, monogram "ABH." Jerry Hurley, ext. 5139.

SPECIAL NOTICE—

SPECIAL NOTICE—Anyone desiring a kitten, call Nancy Johnson, ext. 5146.

New Golf League Plays This Week

The second Sandia Golf League to be organized this summer started play this week, according to Paul Pierson, league president.

Sixteen teams have been divided into two flights. A schedule of matches has been arranged to be played anytime during the week at the convenience of the opposing teams. The season will last seven weeks. Matches are being played at the UNM course.

There are two men to a team, with most teams having an alternate who plays every third week.

A playoff between the two winning teams of each flight will play an 18-hole match to determine league champions.

A list of golfers and their handicaps follows

Team No.	Flight	9-Hole Handicap	
1.	A	Cocke 7	
		Fellows 8	
		Benish 11	
		Horne, Jr. 8	
		Baumgartner 13	
		Brooks 6	
		Lindell 9	
		Lockwood 10	
2.	A	Pierson 2	
		Dierks 8	
		Johnson 12	
		Hopper 14	
		Hunnicut 12	
		Siglock 12	
		Nelson 9	
		Summers 9	
3.	A	Lettrich 12	
		Hicks 7	
		Williams 5	
		Cowan 5	
		Horne, Sr. 4	
		Deutsche 9	
		Price 9	
Team No.	Flight B	9-Hole Handicap	
			1. Quirk 8
			Ryan 9
			Sampson 9
			Claassen 10
			Sharp 10
			Bush 13
			Hickey 13
3.	A	Campbell 9	
		Jones 6	
		Skinrood 11	
		Hines 11	
		Kidd 7	
		Thomas 7	
		Johnson 9	
		Kennedy 12	
6.	A	Weldon 14	
		Irving 11	
		Angus 6	
		Fornero 6	
		Snyder 7	
		Cavanaugh 9	
		Hess 9	

Wednesday Night Bowling Planned

A winter bowling league composed of teams from Sandia Corporation will start bowling September 5 at the Sport Bowl. This is a Wednesday night and bowling starts at 6:30 p.m. Anyone interested in entering a team should contact C. M. Frantz, ext. 29255 or Roy Hassebroek, ext. 21145.

Diving Champion Life Guard At Coronado Club

A layout half gainer is the most difficult dive Bernie Brown, the new Coronado Club swimming pool life-guard, has in his stock of fancy dives. Other dives in his repertoire include a back one and a half with a half twist and a full twisting forward one and a half.

You've seen people dive off a board backwards? Well, in the layout half gainer Bernie dives off the board backwards frontwards. He runs out, launches himself into the air, and then somehow swings his body into a back dive, narrowly missing having his nose sheared off on the end of the diving board.

Wins Championship

This all takes practice, you understand, and 23-year-old Bernie Brown has been at it since he was five. That practice makes well nigh perfect was evidenced recently when Bernie won the diving championship of the West Texas-New Mexico Amateur Athletic Union at El Paso. He competed with more than 100 of the top amateur divers in both states and came out on top with the gold diving trophy.

Bernie weighs 155 lbs., stands 5'9 1/2" and looks like a slim edition of Adonis. The girls here will be disappointed to learn that Bernie is going back to the University of New Mexico when the swimming pool closes. He has studied history at four colleges so far. He spent a semester each at St. Louis



A PERFECT SWAN DIVE is performed by Bernie Brown, Coronado Club swimming pool lifeguard. Bernie recently won the West Texas-New Mexico A.A.U. diving championship with dives like this.

University and St. Mary's Seminary in Perryville, Mo., a year at St. John's Seminary in San Antonio, Tex., and he enrolled at U.N.M. last year.

Attends Aquatic School

Bernie took to water in swimming pools at his home town of Pampa, Tex. The Red Cross there sent him to an aquatic school at Ingram, Tex., where he won a Red Cross water safety instructor badge entitling him to teach swimming and diving.

Bernie's diving ability came in handy in 1946 when he began a year and a half in the service. He found himself diving again—this time from a plane. He was a paratrooper.

After his discharge Bernie started college, working summers as a lifeguard. If you want some clues on how to do the cut away one and a half or a back jack knife, go over to the Club pool an afternoon and watch Bernie Brown.

Corporation All-Stars Meet Army Team Tonight for Sandia Base Title

The first game of the Corporation softball playoffs produced a reversal of the dope sheet.

To attain the playoffs, the Cubs turned on a sizzling stretch drive sparked by Sam DeHaan, Larry Callahan and Mel Otero. In this surge they beat the Pirates, Indians and Tigers and shot into

Bill's First Job Was Teaching in a Little Red School

The little red school house in Letter Gap, W. Va., had one room and 25 pupils. It was 18-year-old Bill Bramlett's first job as a teacher.

In 1922 the population of Letter Gap was 42, the children were mostly from



Bill Bramlett

surrounding farms. The young graduate of West Virginia State Teachers College taught six classes in the little building, all at the same time.

Since then Bill Bramlett, 2452, has come a long way. His teaching career led him across the nation until he went to work for the Indian Service in the early thirties.

Bill first worked at an Indian school in Nebraska. When that school closed four years later he took a position as camp manager for one summer at an Indian emergency conservation work camp in Arizona. In 1933 Bill was transferred to the Santa Fe Indian School where he taught for the next 10 years.

In 1943 he came to Albuquerque and opened up a restaurant. Another restaurant—the Jayhawk—was opened later and in 1948 Bill came to work for Sandia Corporation. Several years ago Bill was awarded his Master of Arts degree from the University of New Mexico.

In addition to teaching Bill did fiction and article writing for the New Mexico Quarterly Review, the New Mexico Magazine, Progressive Education Magazine and many others. He was also president of the Los Antores Writers Club in Santa Fe.

Ed Bales Heads Unit of CAP

Ed Bales, 2112-4, was recently named Communications Officer of the Albuquerque Civil Air Patrol. The communications section is composed entirely of Sandia Corporation employees.

In the event of an emergency the group will operate ground to ground and ground to air radio stations. They meet at the Armory on Wyoming Avenue each Tuesday night to join a network of CAP stations throughout the state handling official CAP messages.

All the members of the communications section have radio-telephone first class licenses and three of them are radio amateurs. Included in the section are Ed Bales, whose radio call number is W5DRU; J. Brooks Braffet, 2242-3, W5NSM; Dalton W. Savage, 2242-3, W5OZD; Marshall W. Tippy, 2242-3; Buford M. Eagen, 2231; and Harry W. Clay, 2417.

The Albuquerque CAP meets every Monday night at the Armory.

AEC Security Picnic Initiates New Patio

Roasting weiners and dancing were the highlights of last Saturday evening for AEC security personnel and their families.

The invitations read "A gala affair at la Hacienda Borah" and the occasion was the initiation of Bob Borah's new patio. Bob works in security.

What's My Line?



Albert T. Marrs is a Meteorologist.

Weatherman Albert T. Marrs coordinates the data received from gadgets such as the Radiosonde Modulator, pictured above, which determines pressure, temperature, and humidity at various levels throughout the atmosphere as it floats to earth on a balloon. Albert has been at Sandia for six months. He graduated from the University of Chicago in 1947 with a Bachelor of Science degree in meteorology. Before coming here the 28-year-old scientist worked at weather bureaus in San Diego, Calif., and in Albuquerque.

Tonight at 8 p.m. under the lights at the Army field the Corporation All Stars will go against the Army All Stars.

Final Season Standings

Team	W	L	Pct.
Indians	16	2	.890
Cubs	13	5	.723
Pirates	12	6	.666
Tigers	10	8	.555
White Sox	9	9	.500
Cardinals	8	10	.444
Yankees	7	11	.388
Dodgers	7	11	.388
Red Sox	6	12	.333
Browns	0	18	.000

SANDIA BULLETIN

Vol. 3, No. 17

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

AUGUST 17, 1951

Indian Pueblos and Spanish Missions Archeological Researchers Paradise

The study of anthropology has led Joe Toulouse, AEC employee at Sandia Base, into many remote sections of New Mexico in search of facts about the early Indians and Spaniards. Long months of study and research followed by more months of back-breaking digging in ruins have yielded important new information about the people who hundreds of years ago called the southwest their home.

Betty Helps Joe

Working with Joe in his anthropological research, has been his



Joe Toulouse

wife Betty. She has assisted in many of his "digs" and did the art work for his book "The Mission of San Gregorio De Abo" which was published by the University of New Mexico Press in 1949. He has writ-

Indian Ruins To Be Described in Talk

Mr. Toulouse will present a talk, illustrated with kodachrome slides, on historical Indian missions at the Coronado Club, Thursday, August 30, at 8 p. m. His talk will center around the Abo Indian mission ruins which he helped excavate while working with the New Mexico Museum in 1938-39. He will also describe the Kimo mission chain including the San Xavier del Bac mission south of Tucson. A practical feature of the lecture will be tips on the best routes to the ruins.

ten other articles which cover subjects such as Early Man in New Mexico, Cremation Among Indians of New Mexico and Arrow Shaft Tools.

A native-born Albuquerquean, Joe became interested in ancient Indian pueblos and old Spanish missions while in high school. He and a classmate, Betty Thomas, formed an archeological society in Albuquerque High School in 1931. In 1939, when Joe was working at Abo mission ruins, they took time out to get married.

In 1937 he graduated from the University of New Mexico with a degree in anthropology. Already active in research, he became field archeologist at Jemez Springs pueblo north of Albuquerque. Later he was a fellow in the School of American Research in Chaco canyon, about 70 miles north of Grants. In 1938 he worked with the Sul-Ross College, Peabody Museum, Harvard University mission near Alpine, Tex. In 1938 and 1939 he was at Abo and for the five years from 1940 to 1945 he was archeological custodian at Gran Quivira National Monument in New Mexico.

In October 1945, he joined the personnel staff of the AEC at Los

Alamos and in January 1948 transferred to Sandia Base.

Move Tons of Dirt

Archeological digging is tedious, laborious but fascinating. The Toulouse family has learned that often times it means moving 100 tons of dirt to find a handful of artifacts. The degree of satisfaction derived from the labor comes from the type of artifacts. Among their interesting finds in New Mexico ruins have been remains of primitive wooden hinges used on mission doors back in 1600. Another interesting discovery was the seeds of old mission grapes which in later years made California famous. The Spanish had the grapes in New Mexico a hundred years before they were raised in California, Joe's discovery indicates.

Spanish colonial history in what is now New Mexico starts about 1540, the time of Coronado's expeditions, Joe's book relates. In the many years of exploration and settlement that followed, the Spanish built over 30 missions in what is now New Mexico and these missions with their adjacent Indian villages provide the anthropologists with fertile fields of study.

Being an employee of the Atomic Energy Commission doesn't leave much time for archeological exploration these days, but Joe's interest in the work has not diminished. When there is a weekend available he heads for the mountains, but he admits that he seldom studies the ancient Indians. He goes fishing.

He has not dropped anthropological work completely. He is now writing an account of some of his recent findings in excavating other pueblos in New Mexico.

Make Reservations Now for Coronado Club Dinner Dance

The climax of the summer social season at the Coronado Club will be the big formal dinner dance Saturday, August 25. Reservations are now being accepted at the club, and indications are that a capacity crowd will turn out, so don't delay.

Dinner at 8 will be followed by dancing until 1 a. m., with music by Joe Cata. The charge for members is \$2 per person, and Chef Carl Hermanns promises a dinner that will delight the most discriminating.

Tomorrow night's informal dance will bring out the enthusiastic followers of Orle Wagner and his band. They have been among the most popular of the musical aggregations playing at the club this season.

Square dancing every first and third Friday night continues to draw sizeable crowds. Doc Rehbeck points out that although the Tuesday night square dance instruction sessions have been dropped until winter, newcomers will have no trouble with the dances as the caller almost always walks the couples through the dance before the music begins. Why not give it a whirl tonight? You'll enjoy it.

Omitted in error from the August schedule were two events. There will be a regular bingo party August 29, and the following night the regular bridge party will be held. That same evening, Thursday the 30th, Joe Toulouse will give an illustrated talk on his archeological explorations. (A separate story appears elsewhere.)

Plan to Train Young Men in Drafting Work

Training for young men who wish to learn the drafting profession will be offered by Sandia Corporation beginning early in September. Twenty men who are high school graduates and have had at least one course in mechanical drawing or drafting are needed to start the class.

The training will last three to four months and then the trainees will be assigned to one of the drafting rooms of Sandia Corporation for further experience. The young men who enroll in the class will be considered as trainees and will be on the Corporation roll and receive pay.

The Employment and Personnel Department, in addition to advertising for people who qualify to enter the class, is reviewing the employee rolls to see if there are any young men already employees of the Corporation who are eligible.

Sandians Head Tool Engineers Society Here

A charter was presented recently to members of the newly established Albuquerque Chapter 93 of the American Society of Tool Engineers. About half of the group is made up of Sandia Corporation employees, according to Jerry Durrie, 1122, chapter chairman, and with one exception all the officers are Sandians.

The American Society of Tool Engineers was formed in 1932. It has 18,000 members and 93 chapters covering the entire industrial map of the United States and Canada. Its purpose is to spread knowledge and information on tool engineering, a branch of engineering whose function is to plan manufacturing processes, supply tools, and integrate facilities needed to produce with minimal expenditure of time, labor and materials.

The 58 members of Chapter 93 meet the first Thursday of each month at the Franciscan Hotel at 6:45 p. m. Officers are Jerry Durrie, chairman; Orth C. Lackey, local businessman, first vice chairman; Douglas Kennedy, 1251, second vice chairman; Frederick Deiber, 1251, treasurer; and Allen Hall, 2123, secretary.

Coronado Square Dancers

Tonight will be a gala evening of square dancing at the Coronado Club with the Duke City Cowboys providing the music. The dance will begin promptly at 8:30 and refreshments will be served later in the evening.

Variety of Sheepskins, Alma Maters Sported by July Newcomers

One hundred and twenty-one men and 53 women joined Sandia Corporation as new employees during the month of July.

Statistics gathered by members of the Employment and Personnel Department provide interesting information concerning the newcomers. The newcomers are from 33 states and also from Hawaii and Mexico. Ten of them graduated from college in June, 1951. Sixty-eight of the new employees have college degrees from 35 colleges and universities. Fifty of them have bachelor of arts or bachelor of science degrees, 17 have master of science degrees and one has a Ph.D. degree.

Girls Ages About 27

Of the 174 new employees, 134 are married and each family has an average of two children. The average age of the men is 32 and the women 27. (Incidentally, that is pretty close to the Laboratory average.)

Following is a list of the home states represented by the new employees and the number from each state:

Alabama, Arizona, Iowa, Maryland, Mississippi, Nebraska, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Virginia, Washington, and Wyoming, one each. Mexico and Hawaii also each provided the Corporation one new employee.

Two people came from Florida, Idaho and Michigan; three from Illinois, Kansas, Massachusetts, Missouri, Utah and Wisconsin.

New Tech Area Lunch Room To Open August 20

Finishing touches are being made on the new lunch room in Building 839. It will be open for use Monday, August 20.

Centrally located in the Tech area, the lunch room will be a great convenience to employees in that section of the Base. A variety of lunches will be available including soup, sandwiches, salads, desserts including pie, cake and ice cream and hot and cold drinks.

It will be open from 12 to 1 o'clock. Food will be prepared in the Sandia Corporation restaurant in the Coronado Club.

One hundred and thirty people can be accommodated at one time in the eating establishment. The room is attractively decorated and comfortable chairs and new tables will help make the noon hour lunch a pleasure.

Four arrivals were residents of New York, Indiana, New Jersey and Ohio each provided five new employees.

Six new employees came from Minnesota, seven from Pennsylvania and eight from Texas.

Ten of them came from Colorado, 11 were Californians and 71 were residents of New Mexico.

Standards Are Tops

High educational standards are indicated by the table below. One July employee had a Ph.D. degree. Other degrees are indicated in the table.

Degree	B.S.	M.S.
Electrical Engineering	20	5
Mechanical Engineering	10	1
Physics	2	1
Business Administration	1	
Mathematics	2	2
Chemical Engineering	1	1
Statistics	1	1
Philosophy	1	
Administration	1	1
Mining Engineering	1	
Education	3	1
Industrial Engineering	1	
Metallurgical Engineering	1	1
Aeronautical Engineering	1	1
Communications Engineering	1	1
Civil Engineering	2	1
Journalism	1	

Universities, Colleges Varied

The new employees are graduates of the following colleges:

Warrensburg Teachers College, University of California, University of Colorado, Saint Bonaventure, University of Missouri, University of Utah, Oklahoma A & M, Illinois Institute of Technology, University of Minnesota, Purdue University.

University of New Mexico, Cornell University, Huron College, Georgia Institute of Technology, Indiana Technical Institute, Washington University, Colorado A & M, Massachusetts Institute of Technology, University of Illinois, St. Thomas College.

Armour Institute of Technology, South Dakota State College, Clarkson College, Grove City College, Iowa State College, Howard Payne College, Michigan State College, Notre Dame University, Colorado School of Mines, U. S. Naval Academy.

Lehigh University, Stanford University, Gonzaga University, The College of Wooster and Bradford Durfee Technical Institute.

China, India and the USSR account for almost half the world's population, yet these three countries together have fewer telephones than New York City.



LISTENING INTENTLY to George A. Landry, president of Sandia Corporation, are reporters and photographers of the Sandia Bulletin at a recent luncheon meeting at the Coronado Club. They heard members of the Editorial Board discuss the publica-

tion and extend thanks to the employees throughout the Corporation who have assisted in producing the paper. The reporters are volunteer workers located in the departments throughout the plant. Their cooperation helps make the Bulletin newsy.

SANDIA BULLETIN

Friday, August 17, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



What Can I Do to Help?

"What can I do to help?" We are asking ourselves that question as the international situation grows more tense, and as more members of our families and the families of our friends leave for the service. Day by day, news of the world situation emphasizes the need for unity, strength and clearness of purpose.

What can I do to help? The best answer is: Help Make America Strong.

How to make America strong? Consider the advice of Martin W. Clement, chairman of the board of the Pennsylvania Railroad and chairman of the National Industrial Advisory Committee for the U. S. Treasury Department. Mr. Clement lays particular emphasis upon less spending, more saving and more production.

Less spending and more saving are part of the effort to keep our country economically strong. The war against inflation has been described as a war against an enemy as dangerous to us as any aggressor nation.

The third way to make America strong, says Mr. Clement, is More Production. As employees of Sandia Corporation we know that our production is of paramount importance. Our attention to our work determines our production rate.

Here we could enter into a long discussion of absenteeism, tardiness, carelessness, accident rates and efficiency. These and other factors have a definite bearing on the success of our vital mission.

But this is no time for lectures. This is the time for honest self-appraisal by all of us who sincerely want to help our nation through this time of peril.

Each individual employee should take stock of his own personal and work habits and evaluate his contribution to the effort to make America strong.

What is your record?

Sandians in Naval Unit Experiment in Radiological Safety

A field exercise in radiological safety was conducted recently by student teams from the Naval Reserve Volunteer Ordnance Unit 8-11 (Special Weapons), made up of Sandia Corporation employees.

Six "P-sources," commercially available radioactive sources used in medical and biological research, were hidden throughout the meeting room to simulate a contaminated area. Lead bricks were placed around the radioactive material in order to produce an irregular field of emanation.

Mark Contamination

Radiological safety teams composed of an instrument man handling a geiger counter, a mapper, and an area marker detected and marked off the "contaminated" areas on the floor.

In actual practice the work of these teams would result in isodose maps, accurate charts of lethal and dangerous areas of radioactive contamination. Decontamination teams would then come in and clean up the outlined regions.

The Naval reserve unit was commissioned by the Naval Bureau of Ordnance last January.

Train Twice a Month

The group now has about 24 members, including Ellis Turner, 1252, executive officer; Jim Ford, 1251, training officer, and Hank Willis, 4214, personnel officer. They meet on alternate Wednesdays from 7:30 p. m. to 9:30 p. m. in building 849 or at the Naval Reserve Training Center on South Yale Street.

At present the unit is conducting a course in basic nuclear physics and radiological safety, involving lectures, films, laboratory demonstrations, and field exercises. Following this series the reservists will take up another course along similar lines.

Coronado Club Schedule—August

Friday, Aug. 17—Square Dance, 8:30 p. m.
Saturday, Aug. 18—Dance, Orlie Wagner Orchestra, 9 p. m.
Saturday, Aug. 25—Formal dinner dance, dinner 8 p. m., dancing 9

New Employees

A welcome is extended to the new employees who have joined Sandia Corporation. Listed here are the newcomers who arrived August 1 to 10. As a regular feature the Bulletin will list the new employees and their departments.

Leon W. Schenke	1122
Albert P. Bridges	1123
Don L. Scidmore	1212
Richard G. Parkison	1241
George C. Martin	1251
Charles H. Maak	1253
John A. Riddle	1283
Emmet P. Dillon	1283
Kenneth L. Kemp	1614
Donald E. Grebe	1624
Howard S. Swartzbaugh	1630
Robert L. Morgan	1716
Theresa L. DeBaca	2111
Paul S. Dubkoff	2112
Harold E. Houts	2113
William T. Price	2113
Mary Frances Bengt	2121
Thomas W. McKinney	2122
John W. Manegold	2123
Robert B. Johnson	2123
Floyd C. McGimsey	2123
Steve Ball	2124
Mary Ann Chavez	2222
Cecelia Pena	2224
Alice M. Prather	2231
John M. Dore	2234
Lorna N. Hudson	2241-1
Edna A. Compton	2241
Walter G. Self	2251
Lloyd K. Hungate	2251
Eloy E. Oqaz	2251-2
Dorothy N. Pittman	2252
Frank B. DuBois	2414-2
Eloy Garcia	2415-1
Bonnie M. Montano	2415-1
Norbert W. Brands	2415-1
Sustaquio Ulibarri	2415-2
Joe A. Trujillo	2421
Rosalio A. Silva	2421
Dennis R. Brummell	2421
Bruce R. Higgins	2461
Chauncey J. Cole	2461-1
Phoebe B. Chavez	2461
Luela J. Baker	2462
Mary J. Bealmer	2464-2
John F. Clevenger	2483-1
Pierre Chevalier	2483-1
Joseph D. Schauer	3230
Lila M. Ness	3152
Mercedes E. Baca	4211
Gwynn H. McCarty	4211
Shirley Culver	4215
Kathryn C. McClure	4222
Patsy A. Smith	4222
Virginia D. Haley	4222
Simona Quintana	4222
Gertrude E. McQuarie	4222
Madelyn D. Washington	4222-1
Catherine E. Muller	4222-1
Jennie M. Aquino	4222-2
Elizabeth Clark	4222-2

ROBERT W. MALLEY has been promoted from math analyst to section supervisor of 1613-3. Before he was employed by Sandia Corporation in 1949 he graduated from Southeastern Louisiana College with a B.S. degree in math. Bob's home town is Bogalusa, La. At present he is living in the men's dormitory on Sandia Base.

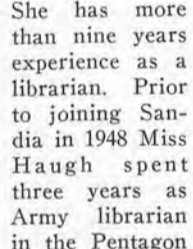


NELSON T. JONES was recently named division supervisor of 2451.



Nelson joined Sandia Corporation in 1949. He is a retired Army captain with 33 years service. His reserve rank is major. In 1916 Nelson was in Mexico with General Pershing chasing Pancho Villa. Nelson spent 28 years as an enlisted man, most of the time as master sergeant. He and his wife live in Albuquerque.

ODESSA HAUGH has been appointed section supervisor of 4221.



She has more than nine years experience as a librarian. Prior to joining Sandia in 1948 Miss Haugh spent three years as Army librarian in the Pentagon Building, Washington, D. C.; one year at the Library of Congress; and two years as head of the Newton Branch Library in Newton, Mass. She holds an A.B. and a B.S. in library science.

LEE TOLIVER has been named supervisor of Division 1254. He is married and has two children. Lee worked at Los Alamos from 1945 until 1946, part of the time while he was in the Army. Between 1946 and 1947 he was a mechanical engineering instructor at Ohio State University. In 1947 Lee came to Sandia. He received his B.S. degree in mechanical engineering at the University of Oklahoma in 1942.



ELLIS TURNER was recently promoted to division supervisor of 1252. Ellis came to Sandia in 1948 from the Applied Physics Laboratory of Johns Hopkins University where he worked for three years on radar and special weapons. He was a naval and electronics officer for three years and a war plant designer for two years. He graduated from Rice Institute in 1932 with a B.S. in electrical engineering. Ellis and his wife, Pat, live in Albuquerque.



HERBERT J. PLAGGE has been named section supervisor of 1613-2. Herb is married and has two children. He came to Sandia in 1948 from the Iowa State University where he received a B.S. degree in meteorology. During World War II Herb was an Air Force weather officer. He held the rank of major. Mr. and Mrs. Plagge reside in Albuquerque.

Sandia Corporation Promotions to Supervisory Positions

TOM R. WRIGHT has been appointed sergeant in Division 2452.



Tom is married and has a six-and-a-half-year-old son. Tom came to Sandia in 1950 from a transit company in Indianapolis, Ind., where he worked for 10 years. Prior to that the World War II veteran spent six years in the Army.

RAY M. HOOPER has been named sergeant in Division 2452.



Ray is married and has a young daughter. He joined Sandia Corporation after working a year as a salesman in Albuquerque. Previously he spent three years in college studying civil engineering. Ray is a veteran of two years Army service. The Hoopers live in Albuquerque.

PAUL D. WELKER has been promoted to section supervisor of 2241-1. Paul is married and has two children. He came here early this year. Paul has 12 years experience as a design engineer. Paul and his family have a home at Lake Tahoe, Calif., where they lived for a year before coming to Sandia. They now live in Albuquerque.



RALPH P. CAMPBELL was recently named lieutenant of a section in Division 2452. Ralph is married and has two children. He joined the Corporation after working two years with a local hardware firm. Previously Ralph spent six years with the General Fireproofing Co. in Youngstown, O., his home town. Ralph and his family live in Albuquerque.



ORLA J. ANTOINE was recently appointed supervisor of Section 1613-5. She came to Sandia Corporation in 1948 after graduating from the University of New Mexico with a B.S. degree in chemistry. A native New Mexican, Ora came to Albuquerque from her home town of Clovis, N.M., six years ago. She and her husband are living in Albuquerque.

ARLIN D. PEPMUELLER has been promoted to division supervisor of 4232. He came to Sandia Corporation in 1950 from the University of Iowa where he had been studying economics and labor. Previously he received an M.A. degree in business education from the University. From 1948 to 1949 "Pep" was office manager of an automobile firm in Oroville, Calif. Mr. and Mrs. Pepmuller live on the base.



KENNETH E. WEIDNER is the new section supervisor of 1513-2. Prior to joining Sandia in 1949, he spent two years working as a civilian for the U. S. Army in Canada. A native of Dayton, O., Ken was awarded his degree in mechanical engineering from Purdue University in 1947. At present he is living in Albuquerque.



HARLAN P. KELSEY was recently appointed division supervisor of 1511. He is married and has two sons, aged 17 and 20, and a 22-year-old daughter. Harlan joined the Corporation in 1948 from the Sylva Electric Products company in Danvers, Mass., where he worked for three years as supervisor of quality control. Prior to that Harlan worked 15 years as a nurseryman and landscape architect. The Kelseys live on the base.



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EXAMINING THE CHARTER of the newly formed Albuquerque Chapter 93 of the American Society of Tool Engineers are left to right: Frederick Deiber, treasurer; Orth C. Lackey, first vice chairman; Jerry Durrie, chairman; Douglas Kennedy, second vice chairman; and Allen Hall, secretary.

AROUND THE DEPARTMENTS

Joe Schauer, a native of Gallup, N. M., recently joined Department 3230.

Recently returned from vacation in Minnesota is Fred Bentz, 3230. Fred Sinnott, also of 3230, is back on the job after two weeks visiting the Grand Canyon and points in Texas.

Walter Dzugan, 3152, who was married to Marian Martelle, August 4, is honeymooning in Mexico City.

Jeanne Jolly, 3153, spent her vacation at home with her parents from Mt. Edgumbe, Alaska.

Bessie Passmore, 3153, and her family just returned from a two weeks vacation in Arizona, where they saw the Painted Desert, Petrified Forest, and Blue Water Lake.

Bill Funk, 3151, has just completed a Gulf Coast recruiting trip, visiting seven universities in the states of Tennessee, Alabama, Louisiana, and Georgia.

Henry Harding, 3151, vacationed in Denver, Salt Lake City, and San Francisco. He will be transferring to Dept. 1810 on August 15.

Dick Pershing, 1222, and family were among the many Sandia folk who enjoyed the Indian inter-tribal dances at Gallup last week end.

Charles Runyan, 1220, his wife, Betty, and their son, Dennis, are taking their two-week vacation to learn more about the state of New Mexico. Janice, their daughter, is visiting her grandmother in Indianapolis, Ind.

Irene Breslin, 1221, has received news that her husband is now in Pearl Harbor. He was home on leave several weeks ago after a tour of duty in Korea.

Department 1294 welcomes John D. Dyson who came to Albuquerque from Lemmon, S. D.

W. B. Hereford, 1295, returned recently from his vacation which he spent in Gurley, Ala. He and his other eleven brothers and sisters attended their parents' golden wedding anniversary.

Silver wedding anniversary was celebrated Thursday, August 16, by Mr. and Mrs. Carl J. Baumgartner. Twenty-one guests helped the couple celebrate at a dinner in the Coronado Club. Carl formerly worked for Western Electric at the Hawthorne plant in Chicago, Ill., and lived in La Grange, Ill., prior to moving to Albuquerque.

Margaret and Bill Reese of 2120 are back after a vacation trip through Yellowstone and Glacier Park—Seattle and San Francisco. Margaret is a nurse in 3160.

E. H. Busbee, Jr., 2331, is spending his vacation in Florida.

Roland Spilker, formerly of 4234, has transferred to 2512.

Eight AEC girls attended a birthday luncheon August 2 for Erma Fauerbach at Leonards. Those attending were Erma, Caroline Gilbert, Betty Crain, Lois Chilton, Lela Vaughan, Theresa Sullivan, Norma Chumley and Katherine Roger.

Mable Harry, 2464-1, her husband, Glenn, and their daughter, Susan, started out on what they thought would be an extensive vacation visiting relatives and friends round and about. Plans included stops in Nevada, Missouri and Texas, but daughter Susan came down with chicken pox, so Kansas City was as far as they got.

There were embarrassing moments recently for Bill Lew who in the excitement of announcing the birth of his son, Robert Timothy, purchased a box of cigars for his office staff. He forgot that the staff consists of 15 women and one man who doesn't smoke.

A native of Chicago gone western has joined 4232. Charles Kasper has joined the division after varied experience in personnel administration in Mexico City and with several mining firms.

Milton Nance, 2221, is in Shreveport, La., where his father is ill.

Esther Leach, AEC, journeyed up Wyoming way to visit Yellowstone National Park, for her vacation.

Kenneth Shinn, 2221, recently returned from his two weeks vacation in California where he saw the highlights of the night spots.

Welcomes are extended by 4216 personnel to Bob Blount and Frank Viquesney who transferred from 4130.

Frontier rodeo at Las Vegas, N. M., was attended by three AEC employees: Peggy Henrie, Edna Fowler and Juanita McDonald. Peggy's brother was a roper in the competition.

Harriet Davis has joined 4233 and is secretary to H. W. Magliid. Harriet and her husband, Captain Paul Davis, came to Albuquerque from South Carolina and prior to that were in Japan for a year. Harriet hails from Alabama.

Lucky winner of a .38 colt automatic with .22 conversion unit at the Circle 10 Rifle and Pistol club picnic was Charles Farmer, 2452. The club, made up of Corporation security guards, held their guard-family picnic July 28.

Marge Neil, 2331, and her husband, Bill, 4212-1, have moved into their new home at 2701 Belair. Marge says it certainly is wonderful but it also means a lot of work.

It has been a rest the past two weeks for Dorothy Compton, secretary to 1810. She has been nursing a case of the mumps.

Chester Ricker, a native of Jersey City, N. J., and a graduate of the University of New Mexico, has joined 4233. He has five years experience with radio and five years army service behind him. His hobbies are fishing and photography.

Two Sandia Corporation employees were recalled to military service during July. Donald E. Miller, 1131, was recalled by the Navy and Paul C. House, 2463, by the Marines.

Bob and Jane Sieglitz went to Lookout Mountain in Colorado for one week to spend a most unique vacation recently. They attended a folk and square dance school under leading authorities in that field. There were folk and square dance instructions during the morning and again in the afternoon after a callers clinic and then folk and square dancing every evening. They attended the Diamond Jubilee in Pueblo and two other dances in Denver during that time. The vacation was topped off with a buffalo steak barbecue at a beautiful resort in Brook Forest, Colo. Bob and Jane, both natives of New Mexico, call for square dancing and instruct at many clubs in Albuquerque. It has been their hobby for a number of years. Bob works for 2130.

Bill and Jean Jenkins and their daughter, Nancy Jean, returned last week from their vacation in New Jersey and Canada. Bill, 2244, says fishing was fine, the weather wonderful but the square dancing entirely different. Nancy Jean brought back from her hometown of Teaneck, N. J., a girl friend, Joyce Henrichs, who will visit here the rest of the summer.

Old Faithful was viewed by another Sandian recently. C. W. Dickinson, Jr., 4220, chose Yellowstone National Park for his vacation.

Felix Miles, 2235, and family enjoyed fishing and shooting coyotes near San Antonio, Tex. Felix's folks have two packs of dogs; one for coyotes and one for foxes. He says that last December he got four coyotes in one week.

June Moore, 4200 secretary, spent her vacation visiting her parents in Laramie, Wyo.

Last week G. D. Horne, Jr., 4310, returned from a two-week vacation—not particularly rested, but glowing. His first comment upon return was Texas has more beautiful women than any place he'd ever seen. George also trekked to Boulder, Colo., where he visited old buddies at his alma mater, the University of Colorado.

James C. Laffoon, 2232, his wife, Edna Mae, and their two children, Jimmy, 5, and Sonja, 8, traveled to Mountain Home, Ark., for their vacation. They visited Oklahoma City, Little Rock, and Texarkana and made a 3,000-mile trip of it before they returned. They visited relatives on both sides of the family and stopped off at the famous Bull Shoal Dam where people were catching 11-lb. bass, but Jim didn't have that kind of luck.

Latest technical writer to be added to the staff of 1714 is Everett Gilman. Everett was born in Omaha, Neb., but spent most of his life in Des Moines, Ia. He received the B.S. degree this year in Electrical Engineering from Iowa State College in Ames, Ia. In college he took courses in technical journalism and was editor of the college engineering magazine; he liked these activities so well he decided that technical writing was the career for him. Everett and his bride of three weeks live in a furnished duplex they are renting on East Copper.



ROUND AND ROUND THEY GO in the San Felipe Lodge at Salton Sea. The regular square dances are proving to be an attraction to most Salton Sea employees. Take a look at the esprit-de-corps—they have a mighty good time at square dance at Salton Sea.

Fisherman George McCarthy is transferring to 1270 after working in 1520.

Frank Francis, 1513, and Shirlee Francis, 4215, are going on a vacation to Ohio and Pennsylvania.

Bonnie and Sam Lyke, 1513, have Sam's daughter, Lynda Lee from Albemarle, N. C., spending the summer with them.

A bachelor's shower was given recently for Ralph Olson, 1521-2, who was married to Joan Thompson, August 2. Kitchen utensils and unlabeled canned food were presented.

A bridal shower was given Joan Hollers, 4215, at Mrs. Lucille Livingston's home, August 3. She was presented with a Mix-Master, a gift from her co-workers. Evelyn O'Neal and Kay Hill were hostesses. Joan's husband to be is Dale Atkins and the wedding date is August 18.

Reporters from many departments report that everyone is awaiting the opening of the new lunch room in Bldg. T-839.

Major Hutchinson is in line for congratulations for his recent promotion. He has been assigned to Department 1520.

Newcomers to Department 1520 prior to August 1 include Nancy Gould, 4215-1; Maude Parker, 4215-1; Ralph Olson, 4215-1; Leslie Romp, 1523; John Wichelns, 4215-1; Quentin Ussery, 1523; Monira Hindi, 4222; Lucille Gangwer, 4222; Roy Lambert, 1521-1; Alice Dypart, 4215-1; Kathryn McCoure, 4215-1; Velta Hampton, 4215; Francis Odle, 4215; Helen McCarty, 1522; Doris Wallace, 4222-2; A. Heywood, 4215.

Max and Ruth Deaton took a two-week vacation to the Ozarks and through Colorado. The highlight of their trip was their little boy, Larry's, fifth birthday party at his grandmother's in the Ozarks. Max is in 2130 and Ruth in 2465.

Carl Rutgerson, 2130, and Bill Yoder, 2122, went back home to Ohio on their vacations. Both drove their own MG English sport cars and had a wonderful time at the Geneva-on-the-Lake summer resort.

One of the prize winners at the Albuquerque Elks Bridge and Canasta Club recently was J. L. Thorpe, 2415. J. L. returned from a week's vacation last Monday.

Congratulations are extended to Jack Ruder, 1251, and his wife on the birth of a son, Richard. He weighed 6 lb., 10 oz. and arrived July 7.

Personnel of 3230 is happy to have Doris Miller back on the job again. Doris has been ill and spent two weeks at home.

A new face in 2120 is Darleen Thompson who transferred from 2241-1.

West Lab personnel were sorry to say farewell to Marguerite Barnard, nurse. Marguerite is now on vacation and will be in T-818 upon her return.

Janice Nave, AEC, has been in Las Vegas, N. M., where her mother is undergoing an operation.

Lois Chilton and Bonnie Walters, AEC, spent some time in Artesia, N. M., recently. That's Lois's home.

Medical Department, 3160, extends a welcome to Mrs. Philomene "Phyllis" Harris who is the new night nurse. Also, Marianne Humphrey, clerk typist who will work with Mildred Whitten, visiting nurse.

Charles Selby, a newcomer to 4233, is a graduate of the University of New Mexico. He came from Belhaven, N. C., in 1944. He and his wife, Alma, have a home in Albuquerque.

Romayne Davis, 4220, is one happy girl today. She leaves tomorrow morning by plane for Santa Ana, Calif., where she and her husband, Irv, will vacation for two weeks with Romayne's parents. Irv, who is an engineering student at the University of New Mexico, drove to the coast last week and Romayne has found that living the life of a bachelorette even for a week isn't any fun.

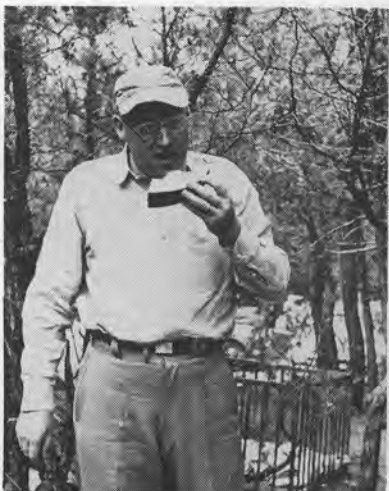
Ray Poetzl, 1714, has returned from a week's vacation. He spent part of it at home and the rest on short motor trips with his family, the most interesting of which was the trip to Gallup for the annual Indian inter-tribal ceremonies there.

What's My Line?



What Is This Man's Job with Sandia Corporation?

At work this man looks like an invader from Mars. His job keeps him on his feet most of the time and he doesn't mind a little heat. One of the main tools in his business is one often used by safecrackers. Can you guess his job? Turn to page 5 for the answer.



PICNICS ARE GREAT SPORT for everyone and personnel of 1212 can vouch for the fact. Seventy-five happy people enjoyed a day in the Sandia Mountains recently and enjoyed the food and fun that are always present. T. F. Marker presents a good example of a man enjoying watermelon and Jim Davis and daughter Barbara seem to be enjoying the whole affair.

Seeing New Mexico on Weekends



THE CARLSBAD CAVERNS BIG ROOM is approximately 4,000 feet long and 625 feet wide and in one place the ceiling arches to a height of 350 feet. It is filled with millions of stalagmites and stalactites and other curious and interesting formations. Trips with guides are made through the caverns daily. While more than 37 miles of the Caverns have been explored, the guided trip covers only seven miles and penetrates to the first level which is 754 feet underground.

Carlsbad Caverns in Southern New Mexico were born near the end of the "Age of Dinosaurs" and have been some 60 million years in the making. The vast size of the underground chambers and their high ceilings are an awe-inspiring sight to the thousands of tourists who visit the National Park yearly. The caverns are indeed one of the wonders of the world.

Carlsbad Caverns are within an easy one-day trip from Albuquerque. Drive east on Highway 66 to Clines Corners. Then turn south on Highway 285 and remain on that highway to the city of Carlsbad. The caverns are 18 miles southwest of Carlsbad on Highway 62. The distance from Albuquerque to the Caverns is 307 miles.

In an attempt adequately to describe the caverns one could use thousands of words, but this fantastic work of nature almost defies description and words seem inadequate. To appreciate the beauty, grandeur and immensity of the caverns you must see them.

Subterranean Lunch

At the present time only a portion of the underground corridors and great chambers of the caverns is open to visitors but the accessible portion is the most spectacular. Led by National Park rangers and guides, daily tours take visitors through the beautifully illuminated passageways and mammoth rooms. At 754 feet below the surface of the earth you are served a hearty lunch in the world's most unusual lunch room. You may either walk down to the 754-foot level on a well-surfaced path or you may ride down on an elevator. If you like to walk and are in good health don't miss the never-to-be-forgotten thrill of the hike into the vast entrance of the cavern and down into the earth's interior.

The bat spectacle is one of the great attractions of Carlsbad Caverns National Park. Each evening about sundown millions of bats come forth from the bat cave. Flying out through the entrance arch in a spiral, they stream off over the rim in a southerly direction in search of food. The bats return just before dawn and dive at an amazingly high speed into the cavern entrance and fly directly into the bat room. Visitors walk past the entrance to the room as they descend the path to the lower levels of the cave.

Shutterbug Tour Planned

There are many excellent accommodations for tourists in the town of Carlsbad and also near the entrance to the National Park. There are no public camp grounds within the park area and no overnight accommodations. The National Park Service reminds tourists that great care must be taken to prevent forest fires and also that Carlsbad Caverns National Park is a wildlife sanctuary. No dogs are allowed in the caverns and cameras may be used

in the caverns only on one tour a day which is planned for shutterbugs. Professional photographers must obtain a permit from the superintendent for taking interior views.

Of interest to tourists with small children is a day nursery which is located near the entrance of the cavern. A charge of \$1.50 per day for each child is made. Also provided is a kennel for pets. They may be left for the day for 50 cents.

A fee of \$1 for guide service, plus 20 cents tax, is charged for each adult entering the cavern.

HERE'S MORE

Department News

Al Spengeman is now on vacation expecting to make Yellowstone National Park one of his stops.

Department 4151's best wishes for a speedy recovery go to George Ison, who is now convalescing after an operation. It's reported that his co-workers miss that big ready smile.

The esteemed bossman, E. P. Ancona, Jr., of 2465, recently passed beyond the ranks of the Glorified Twenties. He seems quite happy about the whole thing, though he is occasionally seen casting envious glances in the direction of the young-uns in his division.

Frank Barnett, 1714, and wife, Joan, 3150, are due back any day from their two-week vacation trip in their new 1951 Pontiac. They traveled through parts of Arizona first, then went down into old Mexico as far as Chihuahua, and should be well along on their return trip by now.

Mildred Crouch, 4151, says that her mother, Mrs. J. W. Bowers, has fallen in love with the "Land of Enchantment" and regrets she must return to Indianapolis, Ind.

Vacation bound are Richard Hickman, 2213, William Kraft, 2211, and Charles Simpson, 2212. Dick will seclude himself in the Red River area of New Mexico, while Bill and Chuck will visit California.

Ray Arvidson, 1521-1, is enjoying a three-weeks vacation at his home in Marblehead, Mass.

Department 1520 enjoyed a filet mignon steak party on the patio at the Coronado Club, July 28. Thanks to Ben Russo for making all the arrangements.

R. Ridenhour, 4215-1, enjoyed a two-weeks vacation in Colorful Colorado.

Welcome back to work in 1520 is extended to Peggy Berry after two weeks in the hospital.



SUPERVISORY PERSONNEL of 2110 recently enjoyed a Sunday night buffet dinner at the Coronado Club. They are pictured here after the meal as they were visiting. Guests at the dinner were Mr. and Mrs. Fred Schmidt and Mr. and Mrs. H. W. Pagenkopf.

SHOOT 'EM RIGHT — ENJOY 'EM MORE

Millions of pictures are taken yearly by amateur photographers and some of the shots become famous as on-the-spot news photos or for their artistic achievement.

However, many of the millions are doomed to go into scrap books despite fuzziness, poor planning and plain every-day misfires. Memories of vacations, holidays and special events are preserved in these photographs sometimes for a lifetime.

In an effort to give a few hints to the amateur

shutterbug the Sandia Bulletin solicited the help of several Sandia Corporation photographers. In the accompanying pictures and captions Jim Karo, 2462-1, poses with Nancy Ellis, 2120, in a picture story on how to get good pictures. Assisting in planning the pictures were Wally Boyes, Bill Reid, Roy Dunlap and Jack Foster, all of 2462-1, who have been serving as photographers for The Bulletin in addition to their other duties.



NEVER, NEVER, NEVER stand in front of a tree like this when you're having your picture taken. It looks like the tree is growing out of Nancy's head. Besides she's squinting, her pose is stiff, off balance, and the lighting is bad.



THE WRONG WAY to take a picture is demonstrated by Jim Karo, 2462-1, and lovely Nancy Ellis, 2120. Here Nancy is off balance with her arms held awkwardly. She is looking down and squinting into the camera. Jim shows how NOT to hold a Brownie reflex camera — out from the body, tilted, and with a finger over the lens.



AN EYE-CATCHING POSE is created with good use of lighting, position and background. The off-the-shoulder blouse and fiesta skirt help too. Nancy is married and, believe it or not, the mother of two.



THE RIGHT WAY is enacted by Nancy who is posed naturally and look at the difference that smile makes. Her face is lifted into the light and the background is good. Jim shows how this type of camera should be held — level and steady against the body so he can look straight down into the viewer.



A BRIGHT SMILE and a natural pose show how fine a picture can be if proper attention is paid to lighting and background. You can do it too, so grab that camera and start clicking, but first make sure it's registered with Military Police.

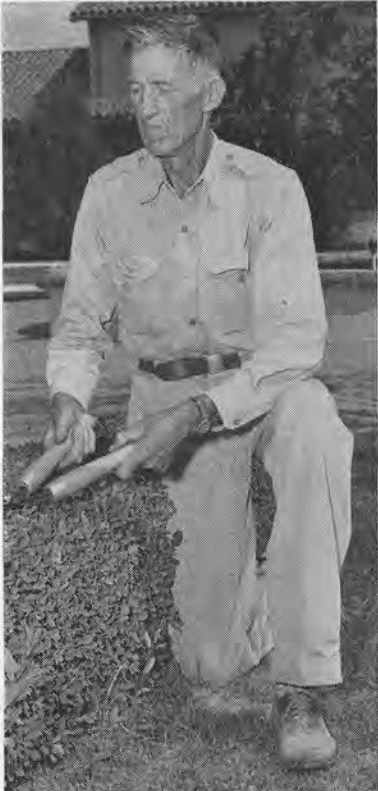


THE VIEW IS SPOILED in this shot by a cluttered background. Again Nancy is looking down and squinting. Her left arm and leg are awkwardly placed and her features are shadowed. Jim, a professional photographer, demonstrates a prime DON'T — he's facing the camera into the sun.

One Man Is Responsible For Beauty Of Grounds Surrounding West Lab

"I don't believe in jumping around from job to job," says Henry S. Chambers, West Lab gardener, "when a man gets a job he likes I think he should stick with it." Henry practices what he preaches. Since 1879 he has held only four full-time jobs, including his present job at West Lab where he has been for the past 15 years.

Six feet, three inches tall, Henry's physique and posture belie his age. The grounds at West Lab are



Henry S. Chambers

Henry's pride and joy. He planted everything that grows in the entire area. Those who have seen the smooth lawns and carefully pruned hedges at the lab will testify to his skill.

Girls Wade in Pool

He remembers laughing young girls splashing in the patio pool when the lab was a private school for girls. During World War II he saw ambulances screaming up to the quadrangle entrance and white-coated interns rushing stretchers into the elevator and up to the operating room.

That was when West Lab was an Army convalescent hospital for several years at the beginning of the last decade. Then for 10 months after the Army turned the buildings back to Albert Simms, former owner of the girls' school, Henry and his wife were sole inhabitants.

They lived in a little cottage that still stands and took care of the grounds.

When the New Mexico School of Mines took over after the Army moved out, Henry stayed on for three and one-half years until the AEC and the University of California came in and he again switched employers. His last change was when Sandia Corporation took over the Laboratory and he became a Sandia employee.

Hunts Moonshiners

Of the three jobs Henry held before coming to West Lab, that of deputy sheriff in his home state of Arkansas was perhaps the most exciting. He tracked down bootleggers operating inside the state on the run outside of Arkansas.

He also worked as a lumberman for many years before he came to Albuquerque in 1919. In Albuquerque he worked as a retail yard foreman for 16 years with a local lumber concern until he took up gardening at West Lab.

Henry has three children and eight grandchildren. His youngest son also believes in one job for life. He has been in the Army for 14 years. Henry's oldest son is 48 and is the father of six of Henry's grandchildren, the other two being his daughter's.

West Lab has changed a lot in 15 years—there were only four buildings in the old Simms Girls' School—but Henry Chambers has remained much the same, a man who found peace and happiness early and who was wise enough to hold on to it.

Harold V. Ahl, formerly department manager of 2310, has returned to Western Electric's plant at Hawthornes miss that big ready smile. thorne, Chicago, Ill. He will be an assistant purchasing works agent there. Mr. Ahl has worked at Sandia since November, 1949.

YOUR FUTURE
Will be Brighter if
You Participate in
Your
Retirement Plan



RADIOLOGICAL SAFETY TEAMS learn their business as part of a field exercise held by the Naval Reserve Volunteer Ordnance Unit 8-11. The unit is composed of Sandia Corporation employees. Above, Hank Willis marks points on an isodose line which shows the area of "lethal" radioactivity. Ellis Turner maps the area discovered by the geiger counter held by Jim Ford. The reservists wear film badges on their wrists which would cloud over if they stayed in a danger area too long.

HERE'S MORE

Department News

All members of the Coronado Club interested in square dancing are urged to regularly attend these semi-monthly dances. An interesting program has been planned for the fall season and regular members will assist Doc and Betty Rehbeck in making these dances successful.

There were two celebrations for **Mary Jane Dean**, 3122, and her husband, Don, recently. First of all they purchased a trailer, the type with bedroom and bath and then Don was promoted to corporal. He is stationed with the Air Force on Sandia Base.

Bill Chandler is a new employee in 4232. A native of Texarkana, he has a masters degree in industrial relations from the University of Texas. He comes to Albuquerque from Fort Worth where he and his wife, Betty, were married two months ago.

Congratulations are in order for **Jim Rhodes**, 2221, who has a new daughter, Norma Kathleen, born August 2. Mother, baby and father are reported doing fine.

Wally Bischof, 2465, is back on the job after a two-week seige of mononucleosis. His co-workers advise he take it easy as anything with such a high-powered name as that must have been rough.

Friends of **Kenneth Schooley**, 2123, are extending their sympathy to him. Ken was injured in a hit and run automobile accident and suffered a back injury.

Willard Rappleyea, 2123, is recovering from a major operation that caused him to be confined in the hospital and his home for the past six weeks.

Congratulations are extended to two new proud fathers. **Bob Birrell**, 2122, has a son, Robert Gene, Jr., and **Elza Shuping**, 2123, also a son.

Sympathy is extended to **Bob Book**, AEC, on the death of his mother, Mrs. Stella B. Book, of Rensselaer, Ind.

Welcomes are extended by 1251 to the following new employees who started working prior to August 1. **Louis Pinger** came from Koch Engineering Co., Wichita, Kans. His home is Detroit, Mich. **Albert Martin** is from Lufkin, Tex.; **Ruth Conner**, is from Des Moines, Ia.; **Angelina Fernandez** comes from Las Vegas, N.M., and **Virginia Sullivan** and **Irl Pemberton** are transfers. Virginia worked in 2114-1 and Irl was in 1216.

Congratulations to **Vern Garratt**, 2113-2, on the birth of his 7 lb., 5 ounce son, Dale Arthur, on August 7. Mother and son are fine, and Vern is beaming.

Don Bliss, 2112-1, should be in line for some sort of Freak Accident Award. Driving along the road with his hand on the glass vent of the front window, he received a blow from a rock sent flying by the car ahead. This, believe it or not, resulted in a broken finger. He has saved the broken vent window to exhibit to skeptics.

Kay Naylor, 2111-1, is now involved in a new hobby, and a very unusual one. It's not exactly her own hobby, but who could help be involved under the circumstances. Her two young boys purchase tadpoles from older neighborhood boys who capture them from the irrigation ditch—and sell them at a cent apiece. The Naylor back yard is lined with coffee cans inhabited by these highly useful creatures. Horned toads retail at three cents.

Jockey a Unicycle—It's the Best Reducing Exercise in the World

"If you ride this unicycle in the March of Dimes parade down Hollywood Boulevard, you can have it." So said a friend to petite blonde Florence Burwell in 1949. She had just one month in which to learn the technique of balancing and timing on the one-wheel contraption—which she did. The night before the parade, a storm swept across California and according to Florence, saved the day—she didn't participate in the festivities but did gain possession of the unicycle.

Florence, 1714, and her husband, Rod, are avid cyclists. In fact they first met when members of the Los Angeles Wheelmen club. It's a weekend routine for the Burwells to cycle out highway 66 and take off on one of the side roads, that is when Rod doesn't have too much homework—he's a mechanical engineering student at the University of New Mexico.

Interest in cycling started about four years ago for Florence in her home town of Glendale, Calif. She says the companionship offered by the Wheelmen club prompted her interest. Rod is an old-timer as a cyclist, having traveled via bicycle throughout Europe in 1947. Florence has one long trip to her credit, too. She traveled by train over the northern mountains of California and then started pedaling alone for Crater Lake and the vicinity. She claims that's one way to meet the nicest people. A trip that is scheduled for the future is a European tour and Florence says Rod is as enthusiastic as she is even though it won't be a new experience to him.

The Burwells don't do as much cycling now as they would like. Florence says the New Mexico terrain and the head winds are not conducive to 100-mile trips which they took monthly in California. Of course, Florence uses a two-wheeler for those.

There are three bicycles and one unicycle in the Burwell household. Florence has a Swiss and an English bicycle and Rod has an eight-speed English custom-made two-wheeler of which there are only two in the United States. Rod corresponds with the other owner, who lives in New Jersey.

Florence uses the English bike the most and says her unicycle is



CYCLING ON A UNICYCLE with the greatest of skill is Florence Burwell, 1714, who learned the balance and technique of the one-wheeler to win a bet. Florence hasn't been able to get much practice in Albuquerque but ably performed for this picture.

only for tricks. It was a challenge for her to learn to ride it and in recalling that first month, she says it took seven hours to make the first three feet. She recommends it very highly for anyone desiring to lose weight as unicycling is strenuous exercise—it takes a lot of pedaling to cover a short distance.

A smooth surfaced road is a necessity if you want to climb on and pedal away. If it's sandy, Florence finds a fence or curb mighty useful in climbing aboard.

The Burwells live north of the Fairgrounds in Albuquerque and even with the temperature hitting 100, Florence occasionally chooses to cycle to work. However, she admits she doesn't attempt it on the unicycle.

What's My Line?



Charley Bates Is a Welder

The acetylene torch so dear to the heart of safecrackers is often used by Charley C. Bates, 2121-4, although he also specializes in electric welding.

The Army brought Charley to Albuquerque where he was stationed for 14 months. His home town is Alta, Fla., but after the war he packed up and moved out here. Charley came to work for Sandia Corporation in 1947 as a welder. The World War II veteran lives in town with his wife and daughter, aged 3.

Toastmistress Club To Hold Barbecue

The Turquoise Toastmistress Club will hold a barbecue on the patio of the Coronado Club next Wednesday at 7:30 p. m., it was announced today. Members are urged to come early and enjoy a swim.

Mrs. J. J. Michnovicz is in charge of arrangements for the evening. She said that for reservations, members should call ext. 21272 on or before Monday.

Weddings

Mary Joan Hollers, 4215, will become the bride of Dale L. Atkins tomorrow in the Trinity Methodist



Mary Joan Hollers

Church. Mary Joan is the daughter of Cecil Hollers, 2123, and the family came to Albuquerque from Toledo, Ohio. Dale is presently employed by the State Highway Testing Lab.

Jim Arthur, 1281, and Mary Lou Cunningham of Albuquerque were married August 11 at the Central Avenue Methodist Church. The couple is honeymooning in Colorado.

Everett Gilman, 1714, was married to Juanita Offield July 27 at the First Congregational Church in Albuquerque. Both are from Des Moines, Ia. Mrs. Gilman is active as a leader of the Campfire Girls.

SANDIA BULLETIN

Vol. 3, No. 18

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

AUGUST 31, 1951

H. J. Wallis New Superintendent

Howard J. Wallis has been named Superintendent of Development Staff Services, 1900, replacing Larner M. Gambrill who has returned to Bell Telephone Laboratories in New York and has been assigned to Murray Hill in New Jersey.

Mr. Wallis comes to Sandia Corporation from Bell Telephone Laboratories in Murray Hill, N.J. The Wallis family's home was in Summit, N.J.

A native of Mitchell, S.D., Mr. Wallis graduated from South Dakota School of Mines in 1934 with a



Howard J. Wallis

bachelor of science degree in electrical engineering. His first job was with the U. S. Geodetic Survey in Washington and in 1937 he started work for the Bell Telephone Laboratories in New York City. After 11 years he transferred to Murray Hill where he has been shops manager and general service manager.

Mr. and Mrs. Wallis have three children, Kathryn 11, Barbara 9, and Bill 3. They have purchased a home in Albuquerque on Calle del Ranchero.

Both Mr. and Mrs. Wallis were active in Summit community affairs. He worked with a Boy Scout troop and assisted in Red Cross and Community Chest drives. Mrs. Wallis was a member of the Women's Club and assisted in YWCA and Girls Club work.

New Mexico trout streams will receive Mr. Wallis' attention as soon as possible, he says. He enjoys the sport and is anxious to wet a line in search of some fighting trout.

Radio Engineers Meet with National President of Group

The national president of the Institute of Radio Engineers, I. S. Coggeshall, paid a visit to the Albuquerque chapter of I. R. E. recently and a dinner was held in his honor at the Sandia Base Officer's Club.

A delegation of local Western Union executives was also on hand to honor Mr. Coggeshall. The I. R. E. president is associated with Western Union's trans-oceanic communication system.

The local chapter has 250 members. About 65 per cent of the membership are Sandia Corporation employees. The chairman of the group is Burt J. Bittner, 1132. Preston W. Byington of Los Alamos is vice-chairman and George A. Arnot, 1134, is secretary-treasurer.



RADIO ENGINEERS enjoyed each other's company recently at a dinner meeting in the Officer's Club on Sandia Base. Seated, Captain John Crone watches R. P. Petersen and R. E. Poole greet I. S. Coggeshall, national president of the Institute of Radio Engineers, who was visiting the Albuquerque group. Seated between Mr. Poole and Mr. Coggeshall is Ted S. Church, past chairman of the Albuquerque chapter of the I.R.E. With her back to the camera is Mrs. Louis Hopkins.

Sandia Magicians To Trade Tricks In Austin, Texas

Hurry, hurry, hurry! The big show is about to start. Magicians from the Albuquerque Magicians Club are planning to attend the First Homecoming Convention of the Texas Association of Magicians in Austin this weekend.

There will be three lectures by outstanding conjurers and a closeup show of the more deft tricks. The Convention will wind up with a big Texas barbecue.

The Club is planning a meeting September 7. Members attending the Texas convention will make a report and each member of the club will present a trick involving a liquid effect. Bill Jenkins, 2244, was inducted as a new member at the last meeting of the group.

Radio Operators Hear About Electronics In Medical Science

A discussion of electronics in medicine was held by the Sandia Base Radio Club, Monday night, August 27. Dr. Howard Meredith and Dr. Clayton White of Lovelace Clinic and Dr. F. G. Hirsch participated in the discussion.

During the business meeting plans were made by the club for participating with Kirtland's Radio MARS group in an amateur radio station at the New Mexico State Fair this fall.

Toastmistress Club Plans First Meeting Wednesday, Sept. 12

Turquoise Toastmistress Club of Sandia Base will hold its first regular dinner-meeting of the season 6:30 p. m. September 12 at the Officers Club. Mrs. M. H. McMichael will be toastmistress and Mrs. J. J. Michnovicz, topicmistress. Miss Beth Krajovic will give a report on the International Toastmistress convention which she attended in Denver this past July.

There will also be an initiation ceremony for Mrs. Bruce R. Young.

Mrs. A. J. Dyer, presiding officer, advises that the meeting will be mainly for the purpose of group discussion and planning for future meetings.

New Bus Service

Albuquerque city bus service between Sandia Base and the Inez and Bel Air districts is now in operation for Sandia Corporation personnel. The morning buses leave Bel Air at Menaul and Washington streets at 6:25 a. m. and 6:55 a. m. The first afternoon bus leaves the bus turn around on South Main street at 4:10 p. m. and the second bus leaves the South Tech area gate at 4:40 p. m.

Vacation's Over, Trek to Classes Starts Tuesday

An odd silence will soon fall on the streets of Sandia's residential areas. Many of the noises will be the same—dogs barking, cars going by, housewives chatting—but something will be missing. You've guessed it, children's voices will be gone—gone to school.

On September 4 at 9 a. m. those doors will open and vacation will be at an end. According to Mrs. Barbara Stratton, assistant principal, there will be 125 to 150 new students entering the Base school this semester. Fifteen pupils graduated last spring to high schools in the city. The total school enrollment this fall is estimated at 500, Mrs. Stratton said.

School hours for grades from the first to the third will be 9 a. m. to 11:30 a. m. and 1:05 p. m. to 3:30 p. m. Grades three to eight will attend from 9 a. m. to 11:50 a. m. and 1:05 p. m. to 3:45 p. m.

Most of the students can draw some consolation from the thought that there will be no home work until the seventh grade. There's no use trying to console the seventh and eighth graders.

Fellow Employees:

The City of Albuquerque and the State of New Mexico are joining in a nationwide U. S. Defense Bond drive which starts in September.

The regular purchase of Defense Bonds through the Payroll Deduction Plan not only offers an excellent opportunity for the systematic savings required as a safeguard against family emergencies and for future spending, but by subscribing now we can get the added satisfaction of contributing to the success of the present drive.

It has been suggested that investment in Defense Bonds from overtime earnings provides a good way to save without changing the budgeting of base pay. I believe that this idea has a lot of merit and therefore suggest it to you.

The Payroll Deduction Plan was made available for your convenience. Why not ask your supervisor for a payroll deduction card and start buying Bonds now?

George Landry

Joe Reichman to Play September 7 At Coronado Club

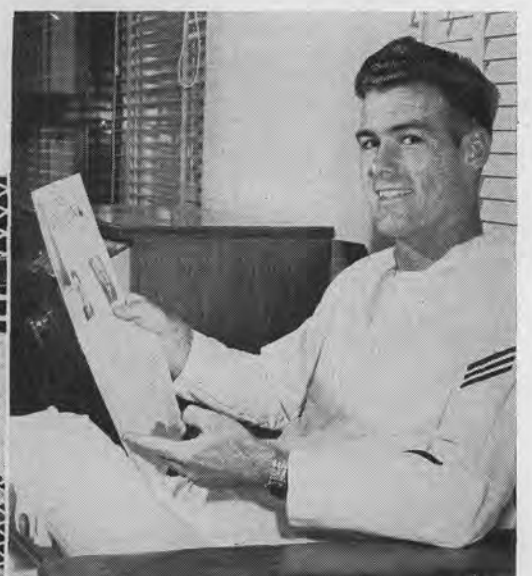
The "Pagliacci of the Piano," genial Joe Reichman, will present his famous orchestra and their popular melodies at the Coronado Club on Friday, September 7.

Reichman, since his earliest days as a band leader, has made his orchestra one of the outstanding melodic outfits in the nation. Joe's sophisticated music, along with his natural flair for showmanship and comedy, has won him ranking among the outstanding orchestra leaders in clubs, hotels and theatres.

He is the originator of the illuminated mirror above the piano keyboard. Joe was educated for a profession in law, but he threw away all his training after a few months with a law firm and headed for New York. There he made his musical debut at the famous Hotel New Yorker and since that time has played in the most famous supper rooms in the nation.

The "Pagliacci of the Piano" and his orchestra will perform from 9 p. m. until 1 a. m. at the Club. The charge will be \$2.50 per couple for members and \$3.50 for guest couples. Since a capacity attendance is expected, reservations should be made in advance.

Service Benefits Hailed By Employees in Armed Forces



SANDIA CORPORATION EMPLOYEES who have been called into the Armed Forces are now stationed literally all over the world, but some of them are now stationed close to home, and others have already been released. They, and those who will be called in the future, are learning about their many employee benefits provided by a recently liberalized plan announced by the Corporation which affects all employees who leave their jobs here to enter military service. At far left is Chief Petty Officer Burton Bell, formerly of 2231, now stationed at Kirtland

with the Naval Air Detachment, signing an application for a military allowance pay differential which the Corporation pays to help cushion the transition from civilian to military life. Burt's wife, Carmelita, and their two sons look on. Larry does some mental calculations with his eyes closed, while Jimmy dreams of a new tricycle. Leo Apodaca, 1230, at right in the second photograph, expects to enter the Air Force in the near future, and dropped in at the Public Relations Office to talk with Ted Sherwin, 3125, about service benefits. Back at work as a Security Inspector is Benny Anaya, 2452, after several months service with the Marine

Corps. Benny was one of the first to receive a pay differential check, as the benefits are retroactive to July 1, 1950. He is shown picking up his check from O. Ulivarri, Jr., 3221, at the Cashier's window. Guy Willis, now stationed with AFSWP at Sandia after many months in Korean waters, read about the service benefits in the BULLETIN. The military allowance he will receive will be more than welcome, according to Guy and his bride of a few weeks. Guy was in 1228, which since has been absorbed by 1610, before he entered the navy last September.



SANDIA BULLETIN



Friday, August 31, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

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Telephone Ext. 25253



Don't Let It Be the Last Week End

This is Labor Day week end. At the risk of sounding somewhat trite we'd like to caution you not to become a statistic. And in New Mexico, as in most other states, it's not too difficult a job, according to traffic fatality records. More than 236 people have been killed on New Mexico highways so far this year, and more names will be added to the list each week remaining in 1951. The toll is already about 45 per cent greater than the figure for the same period last year.

Every holiday millions of motorists take to the highways for an outing—an opportunity to get away from the job and enjoy a day or two of relaxation. It's a good thing for the worker to get a change; it makes him a better worker. These holidays are a part of our American way of life and we hope that they will continue to be enjoyed by Americans.

Apparently the only threat to the holiday institution in the United States is the automobile. Or perhaps more accurately the threat is the fellow who gets behind the wheel of the car. Some wag has commented that automobiles are mechanically safe enough, it is the loose nut at the wheel which causes all the trouble.

Now such comments are not too flattering to the motorist. Most drivers are safe and sane. It is the reckless minority among the motorists which gets the heretofore wreckless drivers into trouble. In the great majority of cases, someone is breaking the law when a fatal accident occurs, but death makes no distinction.

Being careful is not enough. To qualify as safe drivers we must obey all safety rules and in addition we must assume that every driver we meet on the highway is one of the other crowd. You know the expression, "Drive carefully, you may meet a fool." It may cramp your Labor Day week end driving to classify every oncoming motorist as a potential accident looking for a place to happen. But it may be the safe thing to do, too. Your epitaph will bring scant consolation to your loved ones if it reads: "He was dead in the right as he sped along, but he's just as dead as if he'd been wrong."

Be sure your car is in shape, obey traffic laws, use courtesy, caution and kindness and enjoy your drive.

Happy week end.

AROUND THE DEPARTMENTS

An expert in giving a car that egg shell finish is **Burt J. Bittner**, 1132. Burt recently painted his car by spraying with the vacuum cleaner attachment. His co-workers are giving him quite a ribbing.

Freida Salazar, 1210, took her vacation recently to visit Las Vegas, Nev., San Francisco, Los Angeles and Mexico.

Colorado Springs and Cheyenne, Wyo., were chosen by **Rose Pelz**, 4212-1, for her vacation.

O. L. Wright, 4212, and family spent their two-week vacation in Tennessee.

Gerry Cacciate, 2461-3, and husband, **Chuck**, 2452, spent their vacation in Durango, Colo. They took their Chesapeake Bay Retriever, "Girl" along and had their fingers crossed that she wouldn't scare the fish.

Personnel of 2461-3 hope that **George Blea** has a quick recovery. George recently underwent surgery at Presbyterian hospital.

Leah Blikensstaff, 2461-3, journeyed up Colorado way for her vacation.

Anthony Edward Montoya, son of **Lucille Montoya**, 2461-3, celebrated his second birthday August 19. Lucille says it was an occasion enjoyed by the whole family.

Welcomes are extended to new AEC employees. **Larue Baggett** is from Albuquerque; **Claude Weimer** from Hungry Horse, Mont., and **Katherine Roger** is from Louisiana.

The **Douglas Kings**, AEC, are mighty proud of their new home which is located on Trumbull Ave.

A trip to Mexico is being enjoyed by **Yvonne Kilgore**, 2312, and her husband enroute to their new home in Valmeyer, Ill. Yvonne worked for Sandia Corporation and the University of California for three years while her husband was attending the University of New Mexico. He will teach science in the Valmeyer schools. Friends from Sandia Corporation entertained Yvonne at a party before she left at the residence of **Mrs. O. F. Shepherd**, 2333.

Jess Atkins, 2333, is recuperating in his home from a minor operation and will be back to work in a short time.

Lucille Rhoad, 2332, and her husband spent their vacation visiting friends and relatives in South Carolina and Washington, D.C. They report they enjoyed the visiting and the southern fried chicken.

Roseanne Bascom, 2222, is sporting a new Ford convertible which is trying to get the best of her. Roseanne has been nursing a cold ever since she got the car.

Lee Crawford, 2221, decided against the expenses of a vacation trip and instead purchased a new Buick and stayed at home shining it up.

Two hotshot hitters from 2123, **Alfred Taylor** and **Tex Arterburn**, played at the recent state regional baseball tournament in Clovis. They represented an Albuquerque packing firm.

Mae and Bob Fegan made a grand tour of the west on their vacation. They stopped by Yellowstone, Seattle and coming back went through Yosemite. Bob works for AEC.

Tales of Pancho Villa Related by Army Veteran of 31 Years Service

In 1909 a gawky 17-year-old signed the paper that started him on an exciting Army career lasting 31 years. During those years he was on the spot when big things happened and big changes were made.

He was there when they had Pancho Villa cornered. He was there when they formed the first U. S. Army division. He was there both times when the Germans started to march. And he was there when the importance of Los Alamos was being realized.

Call Him "Pop"

His name is Nelson T. Jones, 2451, but call him "Pop."

The cavalry was the thing in those days. Pop joined the Army, was assigned to the Sixth Cavalry Regiment and soon found himself traveling south to patrol the Mexican border. Mexico was in revolt then. Diaz was president and Madera was leading the rebellion, aided by a peasant general named Pancho Villa.

That patrol was uneventful, but the hardships were appalling to a teen-age youngster. They lived in the saddle and rode the desert and mountains from dawn to sunset. In 1913 he was transferred to a field artillery outfit at Texas City, Tex. There he was a part of the organization of our country's first Army division—the Second Division. It was short lived. A flood swamped Texas City in 1915 and wiped out the division records. The unit was then broken up.

Helped Chase Pancho

Meanwhile Villa had become notorious and in June 1916 he pulled his famous raid on Columbus, N. M. General Pershing was sent to chase him down and Trooper Nelson went along as chief of scouts with the Fourth Field Artillery Regiment. It was during this renowned campaign that he had his strangest experience and incidentally learned a trick that perhaps saved his life during World War I.

While trekking across the Mexican desert on the trail of the bandit horde, Pop's regiment suddenly discovered the supply wagons were low on feed for the horses. They sent the wagons back for supplies while they camped near a tiny settlement whose inhabitants refused to sell them grain.

The days went by and the horses suffered for want of food. Even the soldiers' meals were being rationed when, unbelievably, heavily laden Chinese appeared on the outskirts of the desert camp and set up lean-to restaurants. Pop never found out where they came from. The nearest town was almost 100 miles away and they weren't a part of the nearby settlement.

The artillerymen asked no questions, just filled themselves with ham, eggs, and steaks.

Grain Thief Patrol

"Our food problem was solved but the horses were still starving," Pop says, "so I got a few of the boys together one night and we went on patrol. Before dawn we had fed the horses and stashed a load of 'liberated' grain in the desert to the north of the camp. In the morning the settlers turned up complaining that their grain had been stolen. The Colonel called me and asked where I thought a grain thief would head. 'Probably south, Colonel,' I said, so he put me at the head of a party of settlers and we spent the next two days searching the desert south of camp. We never found the grain or the thief."

The wagons at last came back and they took up Villa's trail again. He was cornered finally at Parral, Mexico, Pop says, but they were too slow in getting the cannon up into range and



"Pop" Jones

the wily Pancho escaped for good.

The grain episode was repeated during World War I when Sergeant Jones was in France, again under Pershing's command. His unit was isolated in the Black Forest, the oats had run out and the enemy was approaching fast. The horses were needed to carry the men and equipment back to safety, but without feed the animals were dying one by one.

Wounded Twice

On a French farm Pop uncovered a cache of oats. In the dead of night he and his men loaded a wagon but in the midst of the operation the farmer discovered them and raised an uproar. In pidgin French, Pop told him the oats were for General Pershing. This calmed the Frenchman, but he demanded a receipt so Pop wrote one out and signed it "General Pershing." Pop often wonders what happened when the farmer tried to collect.

Pop considers himself lucky and maybe he was. He was wounded twice during the war—both times three machine gun slugs ripped through his right leg but none of the six shots touched the bone.

He stayed in the Army as a master sergeant until 1943 when he became a lieutenant. That same year he married a WAC. They found they had a common bond when conversation revealed that she had been stationed at Fort Des Moines, Ia., Pop's old headquarters, and had been quartered in a building that had once been the stable for Pop's horses.

Retired in 1947

In 1945 Pop was back in France, this time in Marseille as a captain commanding a Military Police Battalion. He served in various capacities overseas until 1947 when, as a major, he put in his application for retirement. It was his thirty-first year in the service.

But you can't keep an old war horse out of harness. By December of that same year Pop was tired of playing golf and waiting for his pension check. He joined the AEC staff at Los Alamos, later went to the University of California, and now is supervisor of Division 2451, Plant Security Department.

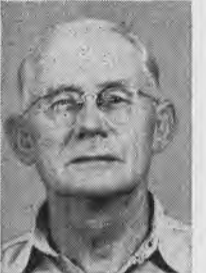
The world has changed a lot since Pop Jones was a raw recruit and he was on the scene when a lot of the changes occurred. There'll be more changes, bigger changes—and when they happen Pop Jones hopes to be there.

Promotions to Supervisory Positions

LUKE J. VORTMAN was recently appointed supervisor of Division 1631. Prior to joining Sandia Corporation in 1949 Luke attended the University of Illinois where he received a bachelor of science degree in architectural engineering and a master of science degree in management. Luke is a veteran of four years Army service. His home town is Havana, Ill. Mr. and Mrs. Vortman live in Albuquerque.



WILLIAM B. DUPREE is the new supervisor of section 2223-2. A native of Houston, Tex., Bill was an advertising salesman for two newspapers, the Houston Post and the Houston Chronicle, for 23 years. During World War II he worked at the Dixon Gun Plant in Houston, a subsidiary of the Hughes Tool Co. Bill, who makes his home in Albuquerque, came to Sandia in 1947.



WILLIAM J. HARMeyer has been promoted to supervisor of section 4152-1. He is married and has two children. Jim was an assistant professor of accounting at the University of New Mexico for four years before joining Sandia early this year. He has 11 years teaching experience and three years in internal accounting as assistant adjutant of the New Mexico Military Institute, Roswell, N.M. Jim is a certified public accountant and holds A.B. and M.A. degrees in business education. The Harmeyers live in Albuquerque.



MARCEL C. SCHIESS was recently named section supervisor of 1542-2. He is married and has four children aged one, two, three, and four. Marcel came to Sandia in April with degrees in mechanical engineering and electrical engineering from the University of Miami. He worked as a photoengraver in Florida for three years. His experience also includes three years in powerline construction. He and his family live in Albuquerque.



BUILDING 839 WAS POPULAR Monday, August 20, when the new lunch room was opened. Patrons of the new eating establishment enjoyed sandwiches, salad,

desserts, and hot and cold drinks prepared by the Sandia Corporation restaurant in the Coronado Club. The new lunch room is open from 12 to 1, six days a week.

Seeing New Mexico on Weekends



A BULL FIGHT IN JUAREZ is an example of the great national sport of Mexico. This is a view of the arena taken on a Sunday afternoon by a Sandian, Felix Padilla. The picture is complete in that it includes the back of a fan's head which you will see about as often as at an American football game. Buy your seat on the shady side. It costs more, but is comfortable. Bull fighting season opens Sunday afternoon, September 2, and fights will be presented every Sunday during September, October and November.

Though not in this state, Juarez, Mexico, is our final suggestion in this series for a week end trip. Not far from New Mexico borders, the city is a haven for tourist-shoppers who wish to take back home some of the artwork from old Mexico. Juarez is a large city for this section of the country, bigger than El Paso. It is a typical tourist town, interesting and entertaining, and brings "south of the border" into our own back yard.

Juarez is across the Rio Grande from El Paso, Tex., about 270 miles south of Albuquerque on Highway 85. The drive to El Paso takes you through the irrigated Rio Grande valley and up onto the desert mesa for varied scenery.

The street south from the heart of the El Paso business district leads you to the entrance to Mexico. Crossing the border into Mexico involves a minimum of red tape. Very seldom do you have to get out of your car, if you decide to drive across. It is a good idea to have some positive identification along in case it is needed. It is not necessary to speak Spanish to enjoy your visit in Juarez. And you need not change your American dollars into pesos for your shopping. Prices in Juarez stores are usually posted in both Mexican and American dollars.

Great Shopping Town

Shopping is an adventure in this city south of the border. There are hundreds of small shops and many large stores which always have varied stocks of goods. Perfume, jewelry, pottery, silver and leather goods are in abundance in the shops and are usually of good quality. The entire list of products available for the shopper is too long to list but there is no shortage of native Mexican and Indian craft work.

In many of the smaller shops it is the custom to bargain before reaching a final selling price. It is all part of the game and the tourist will save some money if he is in no rush to make the purchase. In the larger stores the prices are set by the management and it is poor taste to haggle with the clerks.

There are many good tourist courts and hotels in El Paso. In Juarez there are some tourist courts and two good hotels, The San Antonio and The Continental. Their rates are very reasonable and they are clean and comfortable. It is a good idea to make reservations for your room ahead of time.

May Need a Visa

If you plan going deeper into Mexico than Juarez you will need a visa which may be secured from the Mexican Consulate, 1306 West Central Avenue, in Albuquerque. From Juarez you may bring back into the States \$100 worth of merchandise per person duty free on any one visit in a 30-day period.

This exemption does not include liquor or perfumes which are taxed at the border on your return. United States Customs Service and the Immigration Service may question you as you are entering this country. They may ask to see your purchases, but cooperation on your part will help speed your passing through customs.

A word of caution is usually appropriate to the American tourist going to the foreign country. Remember, when you get there you are the foreigner so conduct yourself as a visitor and a guest. Mexico is our Good Neighbor.

New Employees

Following are listed the new employees of Sandia Corporation who were hired between August 13 and August 24. A cordial welcome is extended to the newcomers. The listing of these names is a regular feature in the Sandia Bulletin.

George W. Rollosou	1112
Clara L. Grady	1132
Chester J. Smith	1132
Rollin H. Koontz	1134
George M. Ewing	1140
Louis W. Withers	1211
William F. Nielson	1212
James O. Reed	1212
Thomas R. Bates	1242
Vernon M. Field	1243
Frank A. Gagliardi	1243
Max E. Steele	1251
William E. Melegan	1251
Claude W. Budds	1251
Charles E. Wierzbiecki	1251
Carmelo Paul Rindone	1251
Lonnie A. Morris	1511
Farrell B. Brumley	1524
Margaret Wills	1544
Emily G. Young	1613
Richard J. Rudolph	1623
Sumner E. Lane	1623
Norman C. Bolinger	1633
Robert M. Yearout	1633
Gloria W. Palladini	2111
Adrienne M. Goff	2111-1
Esther E. Morgan	2114
Abe Bertholomey	2121
Willard J. Freed	2122
Lee B. Neeley	2122
Sabro J. Tsutsumi	2123
Kenneth L. Ensign	2123
Wilbur L. Drake	2123
James E. Taylor	2124
Ira J. Honeycutt	2124-4
Kenneth E. Finders	2133
Lyndall L. Carter	2221-2
Doris J. Glaese	2222-2
Raymond M. Caster	2231-4
Adin Sponseller, Jr.	2241-1
Walter F. Ross	2414-1
James M. Meagher	2414-1
Jesus M. Lopez	2415
Lucrezia B. Holcomb	2415
Frank Bachtica	2415
Otis V. Short	2415-1
Nazario Gonzales	2415-1
Jose C. DeBaca	2415-2
Andres Landavazo	2415-2
John Chavez	2415-2
Delphine Lopez	2415-2
Guillermo Romero	2421
Abel S. Lucero	2421
William J. Tresise	2432
Stue A. Maffit	2461
Cecelia Brand	2462
James W. Shinn	2483-1
Leonard G. Lind	3151
Dorothy V. Hoeke	2153
Kenneth E. Sutton, Jr.	3230
Shirley Mae Zaluga	4135
Katherine E. Scanton	4151
Fimmie Stere	4212-1
Mary E. Fischer	4222
Constance Weber	4222
Lila N. Pyle	4222-1

A bridal shower honoring Norma Chumley will be given tonight by Sybil Milligan, AEC, Theresa Sullivan, AEC, and Berchie Rumbaugh, 4222, at the Coronado Club. Miss Chumley, AEC, will be married to Don Van Wigal of Las Vegas, N. M., September 8.

AROUND THE DEPARTMENTS

Lots of people fish on their vacation, but few catch a shark. W. O. McCord, 1290, did, however, during his stay at Port Aransas, Tex., with his family. Oh, yes, they caught two mackerel too.

W. C. Scrivner, 1295, rested, if catching your limit of fish could be called resting, at the Columbine Ranch, north of Durango, Colo. His father-in-law matched him trout for trout.

Department 3150 lost two of its employees recently. Barbara Senseney transferred to 2461 and Loveta Golden is transferring to 2222-2. Both girls are wished the best of luck by their former co-workers.

E. W. Peirce, 3152, spent two weeks touring the Pacific Northwest. Gene laid out a complete trip and covered the route along the old Oregon Trail into Pendleton, the Columbia River Gorge, Mt. Rainier National Park, and the Olympic Peninsula, returning by way of Death Valley. "A wonderful trip in all," said Gene.

Jo Anne Lohner, 3153-1, spent two weeks on a vacation trip through California and Nevada. Jo Anne mentioned she visited Los Angeles, Hollywood, San Francisco and Las Vegas.

Mona Cripe, 3153, spent one week vacation at Elephant Butte Lake and enjoyed a week of excellent fishing. Mona said that it was a disappointment to see Elephant Butte at the present low water stage after having seen it in previous years at normal level.

Henry B. Harding, 3151, spent two weeks visiting in Colorado, Utah and California. Hank reports he managed to spend part of the time camping out and had an enjoyable time. Starting September 1 Hank will be working in 1810.

Dan Grim, 2113, and his wife spent their vacation in California visiting their parents. Dan soaked his fishing line at Hoover Dam in 127° of heat, but had to return here to Bluewater in New Mexico for his proud catch of 70 perch and several trout and crappie.

Mary Lafrenz, 2114, vacationed on the West Coast. Her stay in Hollywood was very enjoyable, what with interesting experiences at MGM, the Brown Derby, the Chinese Theater, 20th Century Fox, NBC, CBS, and a round of other famous spots.

L. J. Biskner, Department Manager, 2110, returned from a week's vacation spent locally. The highlight was an all-day mountain picnic with his family. His weary comment was, "The kids really had a field day with the old man."

Eleanor Greenhaw, 2112, was involved in an auto accident on the way to work August 23. She received a broken rib and a cracked vertebrae. She has been hospitalized at the Sandia Base hospital.

Yale Knox, 2114, and his wife, Frances, 4222, headed east to Chicago and then on to New York for a recent vacation. Unusual experiences were theirs at Radio City, Jones Beach, and Fifth Avenue. In confusion at a toll gate near the George Washington bridge, Yale says he ended up paying the toll three times trying to find a particular street. He was quite impressed with a trip through the Corning Glass Works. They were also at Niagara Falls at the time of the "man in the rubber barrel" incident.

Carl Rutgeron, 2130, and Bill Yoder, 2122-3, being natives of Ohio, thought an Indian was a motorcycle. They went to Gallup for the Indian ceremonies to learn differently.

Betty Crain, AEC, has gone to her home in Arkansas to participate as an attendant in her sister's wedding.

Blythe Doleshaw is a new face in the Employee Services division 3122. She formerly worked in 4221-1, the Corporation library, and has been a Corporation employee for the past three years. Her husband, Dave, is in 2240. Blythe replaces Jackie Downing who has retired to the role of housewife.

Vacationing in California recently were Maruth Gruver and her husband. Maruth works in 4310.

Cpl. Adolph Edward Sena was married to Sylvia Rose Pettine last Saturday at Our Lady of Fatima Church. Cpl. Sena, son of Mr. and Mrs. Joe Sena, worked in 2415-1 before going on active duty with the National Guard. He is presently stationed at Ft. Bliss, Tex. His father is employed by the Corporation in 2413.

Frances Winter, 2461-3, her husband, Ray, 2243-1, and their three children visited relatives and friends in Shreveport, La., for a portion of their vacation. They then traveled north to Chicago and came back through the Ozarks and visited the Will Rogers Memorial in Claremore, Okla.

Betty Moore, 1710, is the proud owner of a new grey-green Mercury, two-door sedan. Right now the Moores' tentative plans call for a break-in drive over the Labor Day week end to Lincoln, Neb., and back.

Lois Barney, 1714, has a full program planned for her vacation which starts tonight. She and her husband are planning to go to Amarillo to attend the Shriners convention and ball. From there they plan to go to Lubbock and Brownsville to visit relatives. After that they will jog down through Carlsbad, El Paso and Juarez before they return to Albuquerque to paint their living room and dining room. If time permits they will then take a trip to Denver and back.

J. W. Hook, 2210, is back after a much-enjoyed vacation in the states of Montana, Wyoming and Colorado.

The TV ownership curve in 2210 has risen to 37.7% since Gladys Gilliland, 2211, and her husband Jim, 1242, got their "home-brewed" "Tele-Kit" receiver to operate.

Donald R. Weldon, 2211, boasts another son which makes it two for the Weldons. Congratulations.

Judy Clark, 3160 lab technician, is vacationing at Cedarcrest, N. M. Mildred Whitten, visiting nurse, is using her vacation time to rest at home.

Virginia Williams after two and one-half years in 1521 has transferred to 1713 as division secretary. Virginia lives on the base with her husband, a master sergeant in the regular army. Their pride and joy is their 2½-year-old son, Butchy.

Dave, 2130, and Janet Wilkerson drove to Norwalk, Ohio, on their vacation and first attended a family reunion of approximately 60 people. The next day, Dave's mother and father celebrated their Golden Wedding Anniversary; the Wilkersons had a good chance to renew acquaintances, for about 170 attended. Dave and Janet left Albuquerque in a Chevy and drove back in a Packard which has made them very happy. They relate their vacation was a success.

Bill Brown, 2130, went fishing on his vacation. He fished at Elephant Butte Lake, San Machero and in the Cuba area. Bill won't say anything about his luck but he says at Elephant Butte everyone was catching fish.

California is topping the list for vacationers in AEC. Claire Khien went to the coast to visit all his old friends; California is his home. John Cameron spent the first week of his vacation in Texas and then journeyed to the coast for the last two weeks. Arnold Lamb did just the opposite by spending the first portion of his time in California and then went on to Texas. Iris Hardy spent her time visiting her daughter in California.

Jim Karo, 2462-1, and his wife, Carmelita, returned recently from a vacation which took them to Midwest, Wyo., Carmelita's home town, and also to the Jackson Hole country where they had a good time fishing, taking pictures and loafing.

Jim Poindexter, 2462, was absent from work for two weeks suffering from a virus infection. During his absence Bob Fleege carried on for him. Bob has a broken right wrist and it is in a cast so he was mighty glad to see Jim return as were his other co-workers.

Jerry Morrisroe, 1243, and family returned recently from a vacation tour of Yellowstone Park and intermediate points. They were well-impressed with the scenery, but Jerry says he passed up the best picture possibility because no one would have believed it anyway.

Harold Bolser, 4234, has some tall fish stories to tell after two weeks in Colorado fishing in Lake San Cristobel and in the Creed area. Since he forgot his yardstick and camera we are accepting his word for the size of the big ones.

R. B. Yoder, division supervisor 3221, returned recently from his vacation trip. He, his wife and three children visited Canada and Montana.

Vacations are still in full swing in 2417-1. Those who are enjoying their days of relaxation now are Paul Silva, Bill Prokosch, James Richards, Elmer Templeton, Lewis West, and Jose Montoya.

Personnel of 2417-1 miss Ernie Alfred's friendly smile since he transferred to 2121.

Joe Sanchez, 2417-1, has been on temporary military training at Fort Bliss for the past two weeks.

Joe Armijo, 2232, passed out "it's a girl" cigars to boys in the shop recently. Congratulations to both him and his wife.

Dick Strome, 2463, recently became the father of a boy, the second in the family. Congratulations to Mr. and Mrs. Strome.

Jack Martin, 3152, spent a few days on a recruiting trip to Los Angeles and vicinity.

Neil Hansen, 3152-1, spent one week recruiting in Milwaukee and Chicago. Results were good. Weather report—not so good. He was glad to get back to New Mexico.

Vacationers in 1530 include Hazel Hull who went to Tennessee; Barbara Tyner, Cheyenne and Denver; Gordon Barnett, Missouri and Arkansas.

Personnel of 1530 extend a welcome to Nancy Johnson who transferred from 1710.

Paul Dugan is the proud father of a son, Patrick, born August 11. Congratulations. Paul works in 1530.

Billie Duggin, 1530, is due congratulations on the birth of his son, Ronald Wayne.

Ed Ehrman, 1251-3, attended the International Radio Engineers' convention held in San Francisco August 21-24.



BEATING THE SKINS to a jivey tune is Keith Schroeder, 2113-4, who can play most any type of music with the same degree of skill. Keith has the sticks on the tympany (kettle drum). In the foreground are Chinese Temple blocks and to the left is a xylophone and cymbal. In front of the two kettle drums is a snare.

Keith Played Drums To Put Himself Through College—Now It's A Hobby

Hum or whistle any tune, Dixieland jazz or symphonic, and Keith Schroeder, 2113-4, starts tapping out a rhythmic beat.

Drums Through College

Keith started thumping the skins back in his high school days and despite the neighbors' complaints, became adept enough to earn his way through college with his drumming. Those were the days of such tunes as "Brother Can You Spare a Dime," "Tiptoe Through the Tulips" and "Pennies From Heaven."

Lincoln High School orchestra in Lincoln, Neb., gave him his start. When he enrolled at the University of Nebraska he advanced to the University band. This took a great deal of his time for he was studying chemical engineering. But Keith was young and eager and soon joined Eddy Jungblut's (no fooling!) 12-piece college dance band. Jungblut was the hit of Lincoln and Keith gave out with the best on the latest hits of the day.

He also found time to give an occasional lesson in the art of the drums to some of his college buddies.

Love that Kettle

Keith has dabbled in all types of percussion instruments—traps, marimbas, vibra-harps, glockenspiels and tympani. He says he most enjoys playing the tympani (more commonly known as the kettle drum) for it can be tuned to play the whole scale.

Upon graduation from the University, the tympanist became a member of the Lincoln Symphony Orchestra and played with the group until 1937

when he came out west to the mining town of Leadville, Colo. His style then switched to polka music when he played with a local Slovenian band. It was in Leadville that he met his wife, Helen Dorothy.

From 1941 to 1946 Keith put aside his drums to serve his country in the Army Signal Corps. But once the war was over he was back in Lincoln working for Western Electric Co., during the day and participating in the Lincoln Symphony concerts during the evenings.

Drumming in His Blood

The Schroeder family, Keith, Helen, and their two children, Mary Lou, 4½ and Bobby, 2½ moved to Albuquerque a year ago.

Since he has been here the drums haven't been getting as much attention as Keith would like. Occasionally at a party he gets a chance to show his stuff. This summer he had the opportunity to get back in the swing when he played with the Production Engineering band. They played two nights a week at the University of New Mexico under the direction of the University's band director.

Keith's drumming activities are now in the hobby stage. But it's evident that drumming is in his blood and he'll never be able to give it up completely. Even while sitting at his desk talking to your reporter his fingers drummed out a rhythmic beat.

SALTON SEA NEWS

Best wishes for a complete and speedy recovery are extended to Mrs. Guy Johnson, wife of Guy Johnson, 2483. She received a serious injury several months ago.

The "CQ's" were really buzzing over the lines recently at the Sea when Jack Halliday, 1623-4, and Bill Reid, 2462-1, were here on business. John has a mobile unit in his car and Ted Sprink, 2480, has a ham radio set. During off-duty hours, they were busy with their calls and Bill, an ex-ham himself, was an interested onlooker.

Proud owner of a new "88" at Salton Sea is Burand L. Reynolds, 2483. They say it's necessary to have something to keep those Imperial Valley highways warm with the cool temperatures of 115 to 120 we've been having.

Here's How to Use Your Spare Time

Sandia Corporation employees have been invited by the Sandia Base Art League to participate in their art classes this fall. The first meeting will be Thursday, September 6, at 8 p. m. in the Sandia Base school auditorium. No particular talent is necessary.

Classes that will be offered are silver working, leather tooling, ceramics, gem cutting, textiles, pastels, oil and water color painting.

Coronado Club Notes

Buffet September 9

The buffet dinner-dance originally scheduled for the Labor Day weekend has been postponed until the following Sunday, September 9, in order to avoid a conflict with a function scheduled by the Officers Club. Two buffet dinner-dances are scheduled for September, the second being on Sunday the 30th.

Other features of the September schedule include: Arthur Murray dance instruction, September 4 and 18; bingo, September 12 and 26; bridge parties, September 13 and 27; canasta, September 6; square dances, September 14 and 21; and informal dances, September 15, 22 and 29. A juke box dance will be held tomorrow night and another juke box dance is scheduled for September 8, the night after Joe Reichman's orchestra plays for a special Friday night dance.

Recent Board Actions

Excerpts of the last meeting of the Board of Directors indicate that:

Plastic glasses are to be obtained for use on the patio to reduce breakage costs.

Arrangements have been made to send activity schedules to all members including those whose dues are paid in advance. Anyone not receiving a schedule shortly after the first of each month should call the Coronado Club office, ext. 24148.

A member of the entertainment committee will attend each scheduled function at the Club and render a formal report to the Board on the success of the function in an effort to schedule activities which are most popular with members.

A Linedex file of members will be placed in operation in the near future to facilitate checking at the door.

Game Room Damage

The Board discussed the recent damage to the game area facilities in the basement and decided to send a letter to all members requesting their cooperation in discussing the problem with their children. Investigation has revealed that much of the damage has resulted from misuse of facilities by youngsters. The Board has ruled no one under 18 may use the billiard tables in the future.

Arrangements will be made with the Anderson-Dunham Company to offer snacks for sale at the bar.

The Board authorized the expenditure of \$500 to put the bowling alleys in top notch condition before the start of the bowling season.

What Is Your Opinion . . .

What Is the First Thing You Notice Upon Being Introduced to a Member of the Opposite Sex?

J. LEWIS D. WALRATH, 2452. Oh, I notice that she's a woman. I notice her eyes and her smile. Whether she's pretty or not doesn't matter. I notice her personality and voice. Age is immaterial because I love all of them.

MARIE O. HUBBS, 4222-1. I think the very first thing I notice is a person's eyes. You can usually tell immediately the type of person he is. Of course, you can't always tell whether he'll beat his wife or not, but generally whether he's kind, jolly or sad. Probably the next thing I notice is the way he dresses.

ALLEN DALE, 4212-3. Her hair probably. The reason I say that is because you usually describe a woman by the color of her hair. You remember a person as a blonde, brunette, red head or whatever he or she might be.

PAULINE CAMPBELL, 3160. I first notice his clothes. I prefer men who wear casual or sportswear. I also notice the eyes and smile. You can usually tell whether they are easy to get along with by the way they smile.

RICHARD KIDD, JR., 1222. I think probably I notice her eyes and smile and personality. I notice her dress too—the way she's dressed. That's just the first few seconds. I might then notice her speech and manners.

RUTH BURNS, 4131-1. The main thing I notice is the expression on his face. If it's a pleasing expression or down-on-the-world expression. That would include his smile and his eyes. Then, I think the overall appearance is the next thing I notice.

So You Have Hay Fever

If you have hay fever you are miserable. You cry when you're not sad. Your nose is red, stopped up and running. Your eyes itch "behind the eyeballs" where you can't scratch. You sneeze too much even though it hurts. You can't sleep. You lose your appetite, strangers cast disapproving glances when you burst into a paroxysm of kerchoos in public and your friends laugh. For some unaccountable reason the symptoms of hay fever are hilarious to non-sufferers.

Hay fever is a disease caused by an allergy which is a sensitivity of the body to pollens and other proteins, doctors tell us. It is a local expression of the sensitivity in the nose and eyes.

Two Types of Hay Fever

There are two types of hay fever, and the afflicted will tell you they are both unpleasant. They are known as seasonal and perennial. The seasonal variety is thought to be the more common. It begins every year when any particular pollen begins to be wind-borne. The sneezes and red eyes continue until pollination ceases. The pollen comes from plants such as trees, grasses, and weeds. In springtime tree pollen gives allergic people their misery, in the summertime it is the grass pollen which causes the sneezes, and in the fall it is old demon rag weed or other plants which set off the sore nose and eyes.

The hay fever sufferer does not need to be told the symptoms. Each person who is a victim of any type hay fever soon becomes an expert at recognizing and displaying the symptoms. However, you non-sufferers can tell if you are getting hay fever by knowing that the sure signs include itching and congestion of the eyes, spasms of sneezing, a thin often profuse, watery discharge from the nose, and often itching of the mouth and "behind the eyes." In short, you feel terrible.

On dry windy days hay fever victims suffer most. They get some relief when the humidity is high because then the pollen in the air is less. Seasonal hay fever usually attacks its victim about the same time each year—it all depends on when the pollination of the plant to which one is sensitive begins.

Possibility of Relief

Perennial hay fever, on the other hand, affects the victim throughout all the seasons of the year. It is caused by

some animal or vegetable protein. These may include the dander of your pet dog, common house dust, your favorite food or drink, or some medicine you are taking. The situation isn't as hopeless as it sounds for it is often possible to find and remove the cause of the suffering. To solve the problem may mean getting rid of old Rover or avoiding your favorite dessert. It is not recommended that you tell your wife to get the dust out of the bedroom.

It is not always possible to go to a different climate when rag weed is pollinating, nor is it always possible to get rid of the causes of perennial hay fever. You should see your doctor for suitable treatment. This is the first thing, the sensible thing, the recommended thing to do.

In recent years a good deal of progress has been made in the prevention and treatment of hay fever. By testing your skin with various kinds of pollens, the cause of hay fever can often be determined by your doctor. When the cause is known, desensitization treatment can be prescribed. The injections should be started well in advance of the hay fever season so that the body can build up resistance. So don't wait until too late to see your physician.

Treatment Recommended

For some people who have a severe and obstinate case of hay fever the shots may have to be administered throughout the year and it is commonly necessary to continue the treatment for several years. Antihistamine drugs help many hay fever sufferers and specialists are now recommending both the desensitization treatment and antihistamine drug treatment for complete control of the allergy. ACTH is very useful too.

If you find yourself displaying the symptoms of hay fever see your doctor. Don't worry too much if it turns out to be your favorite rose bush or your newest winter coat. Consider yourself lucky as compared to the fellow who sneezed whenever he was near his wife.

Salton Sea Gets T.V.

Milton Berle now appears at the Salton Sea San Felipe Lodge along with the other stars of television. A new 20-inch set has been installed in the Lodge lobby to entertain employees.

AROUND THE DEPARTMENTS

Ben Jolliffe, 2112, and his wife recently returned from a wide loop trip to Iowa, up through Cheyenne territory and back to Albuquerque. The Chamber of Commerce should have Ben writing copy on Wyoming. He knows it like a book and loves it. If you want a description, with all the glowing details, Ben's got it!

Sympathy is extended to Mr. and Mrs. T. T. Robertson, 1251. Mrs. Robertson's father died in Kearny, N. J., August 15.

Carl Normann, AEC, returned to his former home in Minnesota for his vacation.

Ruth Foust is mighty thrilled on moving into the new Wherry Project home. Her husband is with the Army at Sandia.

Mr. and Mrs. Ed Ehrman, 1251-3, are the proud parents of a daughter, Beverly Ann, 6 lb. 13 oz., born August 13.

Mary Alice Fitzsimmons, 3151, and her husband, Paul, who is a professor of geology at the University of New Mexico, will utilize their Labor Day week end visiting Carlsbad Caverns and Juarez, Mexico.

Glenn Milner, 2464-1, her sister and another girl from Los Alamos, spent a wonder vacation traveling around Arizona, Colorado, Utah and Nevada, hitting all the high spots. An extra week away from home came about the hard way—seems another car decided to go when it should have stopped, and the girls were forced to stay on an extra week in Las Vegas, waiting for their car to be repaired.

Evelyn Harris, 2461, became the wife of M/Sgt. Charles J. Traynor of Sandia Base, Saturday, August 18. The wedding took place in Santa Fe and attendants were Mrs. I. N. Rivard, also of 2461, and Mr. Rivard. Evelyn is an Albuquerquean and Sgt. Traynor is originally from Pennsylvania.

Irene Heck, 2461, is planning on an enjoyable Labor Day week end visiting her parents at their home in Oklahoma City.

Mrs. Frank Gurule, 2461, and her husband will take advantage of the Labor Day week end by heading south to Carlsbad for three day's relaxation.

Margaret Mercier, 2111, recently returned from a three-day vacation trip through Colorado, and a fishing trip in the Chama region.

Men and Machines Do the Job

When they built the pyramids the labor problem was terrific. It took centuries and several hundred thousand workers to get one of the giants finished. Most of the work was done by sheer muscle. Today machinery does the work, machinery with power that far surpasses the combined strength of the pyramid workers.

With the equipment right here on Sandia Base a few men could whip up a pyramid in a fraction of the time it took the Egyptians. Brain has supplanted brute strength, brains crystallized in tooled metal. A flip of the switch, a pull on a lever will lift a staggering weight.

Without the machinery to lift and haul heavy equipment, modern industry could not exist. The highest praise belongs to the men who design, build and operate the machines pictured here.



THE DEMPSTER DUMPSTER hoists one of the huge trash buckets spotted throughout the area onto its back and trundles off to dump them five miles away. Here Charlie A. Monroe, 4215, checks to see that the big bucket is being hoisted properly.



SILENT HOIST CRANE on a converted fork lift easily raises a heavily loaded copper scrap container. This crane, driven by Andres Romero, 2121, is fitted for an amazing variety of lifting and carrying operations.



MAGNETIC POWER LIFTS huge crane boom sections under the watchful eye of Jesse A. Floyd, 2417, the magnetic crane operator. The big magnet can raise 5,000 pounds and when the crane is fitted with a hook it can lift 20 tons. Operating the crane tractor here is Stanley D. Brooks, 2417.



PONY EXPRESS RIDER Felix T. Miles, Jr., 2235, smiles as he drives the swift little electric carrier called the Pony Express and nicknamed The Thing. This cart is designed to transport small loads short distances fast.



THE HANDIEST GADGET on the base is the fork lift. They come in all sizes and shapes from little box lifters to monstrous machines that can hoist 18,000 pound crates 20 feet in the air with ease. Raymond Summer, 2124-1, uses a 3,000-pound fork lift here to stack small crates.

SANDIA BULLETIN

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SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

SEPTEMBER 14, 1951

Telephone Highway In The Sky Takes Long Distance Calls Coast-To-Coast Over World's Longest Microwave System

August 17, 1951, marked an important milestone in the history of American communications. On that Friday, the first coast-to-coast telephone call was made without the use of trans-continental wires or cables. The world's longest microwave radio relay system was put into use.

The tremendous undertaking was the product of the ingenuity and aggressiveness of private industry. The American Telephone and Telegraph Company spent approximately \$40,000,000 completing this system which supplies a vital telephone route for the civilian and military needs of the nation.

The system was developed by the Bell Telephone Laboratories and Western Electric Company manufactured or procured every item of equipment used in the system and did all the installation work.

Construction of the new system started in 1948 and now words may be relayed between 107 towers stretching from New York, through Chicago, Omaha and Denver to San Francisco. From tower to tower over the 3000 mile route messages are being carried at almost the speed of light. When in regular full use later this year the system will carry hundreds of calls simultaneously.

Speedy Communications

The planning, engineering and construction work which have gone into the project have been stupendous. Let's take a look at the way the system works: Steel and concrete towers are spotted about every 30 miles across the country from New York to San Francisco. They hold amplifying equipment for this high-speed conversational highway. In traveling along this highway, telephone calls ride from tower to tower on a radio beam at lightning speed.

Despite the fact that a call crosses the country in a fraction of a second, it makes a slight detour at each tower. The side trip electrically refreshes, so to speak, each impulse

through powerful Western Electric amplifying equipment.

After the signal receives the electronic "shot in the arm" it is carried to the tower again and relayed to the next stop along the way. Since radio waves carrying conversations are concentrated in narrow beams, the antennas on each tower have to be aimed exactly at the next tower in line. Choosing locations for the towers and lining up the antennas were among the most difficult jobs the engineers faced.

Bull Provides Problem

These engineers proved themselves to be masters of cooperation and experts in understanding human nature as well as tops in their profession. Tales of their experiences are legion. In Colorado the construction crews had to handle the delicate problem of pacifying a ferocious bull. In Utah construction had to be scheduled to avoid lambing season and the potential catastrophe of upset ewes.

In Wyoming the daytime wind posed a problem which was solved after a study of climatic conditions to learn the quiet hours. In Iowa, a hospitalized youngster who followed every phase of tower construction from his sick-bed was made happy. A gang foreman gave him a red tin hat and an erector set so he could build his own towers.

Television Too

Not only will words go through space between these towers, but also images. Work on the installation and testing of additional special equipment needed to adapt the radio relay facilities to carry television over this route has advanced to the point where it is now expected that coast-to-coast television programs can be started by the end of this month. The first program to be carried across the country on the microwave system and televised throughout the nation was President Truman's talk which opened the Japanese Peace Treaty Confer-

ence in San Francisco September 4.

Today the radio relay stations stand on their mountain-top locations and on their skyscraper posts, silent sentinels with electronic hearts to put wings on the nation's words. The completion of the system is a significant milestone in the history of the telephone in United States.

Sandia Directors Meet This Month

The September meeting of the Board of Directors of Sandia Corporation will be held September 20. The six board members will be at Sandia for three days beginning Sept. 18.

The directors are: Stanley Bracken, president of Western Electric Company, Inc.; H. C. Beal, vice-president, Manufacturing, Western Electric Company, Inc.; Walter L. Brown, vice-president and general counsel, Western Electric Company, Inc.; Frederick R. Lack, vice-president, Radio Division, Western Electric Company, Inc.; Donald A. Quarles, vice-president, Bell Telephone Laboratories; and G. A. Landry, president, Sandia Corporation.

AEC Authorizes 12 Patent Applications

Patent applications for 12 inventions which are the work of Sandia Corporation employees have been authorized by the Atomic Energy Commission. The inventions include classified devices which have been developed in Sandia Corporation laboratories.

Employees in the inventor group are: B. J. Bittner, 1132, Louis J. Kabell, 1135, R. A. Richards, 1282, Allen L. Dyer, 1270, Donald S. Dreesen, 1522, C. E. Runyan, 1220, John Tillman, 2122, James W. Deer, 1242, Wolf Goodman, 1242, T. L. Allen, 1135, Silvan Locus, 1132, and William E. Boyes, 1294.

John Tillman already has credit for a patent granted while employed at Sandia.

Improvements In Coronado Club Near Completion

The Coronado Club is boasting an enlarged private dining room and four evaporative coolers in the ballroom.

Enlargement of the small dining room was completed this week and the room is now double its former size, accommodating upwards of 40 people for special luncheons or private dinner parties.

A new sidewalk leads to a separate entrance on the north side of the Club. Plans include landscaping the entrance and walling off the outside kitchen area so that diners have a window view of the housing area with mountains in the background.

Other features of the new dining room include air conditioning, an attractive interior with one brick and three painted walls, window drapes, and a flower box outside the window.

Club members attending dances and other functions such as bingo will benefit from the installation of four big coolers in the ballroom. In operation they will take a load off the main cooling system, improving air circulation in the cafeteria, basement, bar and lobby. And best of all, here's your chance to stay cool at the square dances.

Freedom Crusade Seeks Funds to Fight Communism

Sandia Corporation employees who wish to contribute to the 1951 Crusade For Freedom may do so by mailing their contributions to The Crusade For Freedom, care of the Postmaster, Albuquerque.

The campaign was launched on Labor Day and will last throughout September. In Albuquerque \$5,000 will be sought as the local quota in a nationwide drive to raise \$3,500,000. The money will be used to expand the anti-communist propaganda facilities of Radio Free Europe and to launch a new radio network to combat communism in Asia.

Retail stores throughout Albuquerque are displaying coin collection boxes in order to give everyone an opportunity to contribute. Although no solicitation will be conducted at Sandia, posters have been placed throughout the technical area and leaflets have been sent to all departments. Further information concerning the Crusade For Freedom may be obtained from the Public Relations Division, 3125, extension 26150.

Choristers Look For More Voices

Bathtub warblers or office crooners, here's your opportunity. The Sandia Base Choristers opened their 1951-52 season Monday, September 10, with their first rehearsal and they're interested in recruiting new members.

The group, made up of mixed voices representing every branch of Sandia Base activity, will rehearse each Monday in the Coronado Club lounge at 8 p. m. All interested employees or members of their families are invited to join the "singing for fun."

The Choristers are under the direction of Craig Summers, 2222-2. Robert Winter, AEC, is president of the organization this year.

Last season ended with a concert in the Base theatre. During the year the Choristers provided entertainment at the Base hospital, ANAF Club, Coronado Club, Officers' Club and Veterans hospital.

In addition to singers, the group is on the lookout for additional piano accompanists. Those interested should contact Craig Summers, ext. 26158.

Changes in Staff Are Announced for AEC Organization

Colonel Kenneth E. Fields has been appointed Director of the Division of Military Application of the United States Atomic Energy Commission. Col. Fields succeeds Brig. Gen. James McCormack, Jr., who has been assigned as a Special Assistant to the Deputy Chief of Staff for Development in U. S. Air Force Headquarters.

Daniel F. Worth, Sandia Field Manager for the Atomic Energy Commission, has announced the appointment of Gilbert C. Hoover as Assistant Manager, Sandia Field Office.

Mr. Hoover will assume the position vacated by Mr. Worth when he was named Sandia Field Manager



Gilbert C. Hoover

to succeed George F. Kraker, who earlier this summer was named Deputy Manager of the Commission's Santa Fe Operations.

A career Navy officer, Mr. Hoover has been living at 448 Metacom Avenue in Bristol, Rhode Island, since his retirement as a Rear Admiral in 1947. In Bristol he has been active in community affairs and has served as President of the Town Council and Director of Civil Defense.

Rhetoric Rages As Toastmasters Select Officers

Once a year the Sandia Toastmaster Club winds up with an uninhibited round of bombastic speech making. It's their annual election and a chance to let go with all the rhetoric and eloquence at their command.

Last week the Officer's Club rang with campaign speeches. After the verbiage had settled it became apparent that of the five offices, four had been filled by members who were next door neighbors.

The president's post was the exception. Elected to this office was Lee Deeter, 1282. Other officers named were Harlan Kelsey, 1511, vice-president; John Merillat, 3122-1, secretary; and Max Weber, 1714, treasurer—all residents of Thirty-ninth Place, Sandia Base. Eaton Draper, who was elected sergeant-at-arms, lives on the corner.

Weatherman Will Explain Forecasting To Sandia Engineers

H. S. Manson of the U. S. Weather Bureau will present a semi-technical talk on weather forecasting at a meeting of the American Society of Mechanical Engineers Wednesday, according to Lee Toliver, director.

The Society will meet at the University of New Mexico Mechanical Engineering building at 7:30 p. m. About 40 persons are expected to attend, Toliver said. It will be an open meeting and any engineer is invited to attend.



A TYPICAL CONCRETE STATION, pictured at the right, on the Long Lines Radio Relay route is located in farming country between Chicago and Des Moines. The route runs 2992 miles across the country as shown on the map above.

The first trans-continental telephone call was made January 25, 1915, when Alexander Graham Bell in New York spoke to his famous assistant, Thomas Watson, in San Francisco.

Participants in the first call over the micro-relay system August 17 included Wayne Coy, chairman of the Federal Communications System; Cleo F. Craig, president of the A. T. and T.; H. T. Killingsworth, A. T. and T. vice-president in charge of Long Lines Department; Mark Sullivan, president of the Pacific Telephone and Telegraph Company and Harold P. Huls, member and former president of the California Public Utilities Commission.





SANDIA BULLETIN

Friday, September 14, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

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The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



Today Every Rivet Counts

During World War II there was a certain shipyard worker who has gone unnamed who decided his job wasn't important. "All I do all day is put 16 rivets here and one there," he lamented, "and then I go on to the next piece and put 16 more rivets here and one more there."

Nevertheless, that man stayed on his job and it was a good thing he did. The 17 rivets he placed in each part that passed him on the production line were vital. If they had not been properly placed the ship would have soon become helpless in heavy seas.

Here at Sandia we all have to "place rivets" and it is necessary that we do our job well. But sometimes it is confusing. We work hard, but we see no tangible result. Over 3,500 of us work long hours, but most of us never see or touch a finished product. The circumstance we encounter in Sandia Corporation is peculiar to our own operation. We probably never will see the fruits of our labor. The progress we make will be reflected only by the increased military strength of our country.

If the lack of visible evidence of the results of your labor troubles you, reflect on the recent statement of Gordon Dean, chairman of the Atomic Energy Commission, in which he publicly expressed the satisfaction of the Commission with the progress of the atomic energy program. Since we are contributors to that program we can feel that our efforts are appreciated and that we are an active part of a highly important task.

If you do not understand all that goes on around you do not be dismayed. Security regulations specify that each person here have just enough information about the project to do his job well. When a person knows more than necessary he becomes a weak link in the chain of security.

Paradoxical as it may seem, the greatest return any of us can expect is that the fruits of our labor may never have to be used for their ultimate purpose. All of us are doing an important job, how important we may not know for a long time.

Don't doubt the importance of your "rivets."

Want to Go to Night School?

Night Classes for Credit May Help You Get a Degree

Evening credit classes scheduled by The University of New Mexico for the fall term of the 1951-52 academic year include several courses of interest to Sandia Corporation employees.

Three chemical engineering courses are listed. They are: Chemical Engineering Seminar, Advanced Chemical Engineering and Gas Process Engineering.

The four electrical engineering courses are D C Machines, A C Circuits, Electron Tubes and A C Machinery.

Mechanical Engineering courses are Aerodynamics, Mechanical Vibration and Advanced Thermodynamics.

Physics courses include Introduction to Astronomy and Physics, Contemporary Physics and Quantum Mechanics. In addition there are 14 Mathematics courses, three in Chemistry, five in Civil Engineering, six in Accounting and four in Business Administration.

Registration is Monday, September 17, at 6:30 p. m. in Carlisle Gymnasium on the University campus. A complete list of the night credit courses offered by the University is available at the Sandia Corporation Technical Library. The Library is located in Bldg. 802.

Sympathy

The employees of Sandia Corporation extend their sympathy to Charles Max Jones on the death of his wife, Loretta Jones, September 5. Mrs. Jones has been employed by Sandia Corporation in 2333 since November 1950. She was 30.

She is survived by her husband and her parents, Mr. and Mrs. Edward I. Johnson of Tulsa, Okla. Services will be held in Tulsa.

Sympathy is extended to Helen Lautner, 4151, whose husband passed away on September 2.

Non-Credit Night Courses Offered At the University

Here is a good chance to gain knowledge and enjoy yourself at the same time. Non-credit evening classes in a variety of subjects which range from Early Childhood Education through Blue Print Reading to Easy French Conversation are being offered by the Community Evening College of the University of New Mexico.

Registration for the courses will be held in the Extension Office of the University in Hodgen Hall on East Central Avenue beginning September 17. Office hours are 8:30 a. m. to 4:30 p. m. and 7 p. m. to 9 p. m. Classes start Monday, September 24.

Fees for the courses are low and vary according to the length and type of course. Complete information concerning the courses offered may be secured from the Extension office at the University. A limited supply of bulletins explaining Community Evening College courses may be secured at the Employee Services Office, Bldg. T-301.

Men Into Service

Two Sandia Corporation employees entered military service recently. Clayton D. Blackwell, 2471, was



Holmes

Blackwell

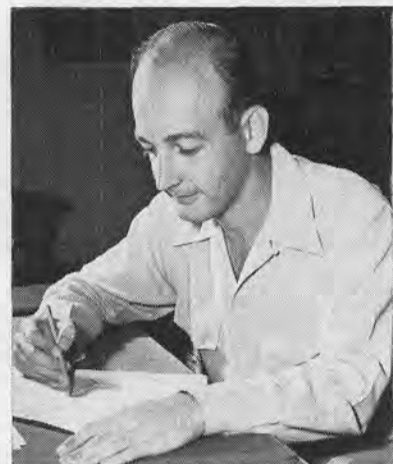
recalled to service with the United States Navy and Shary Holmes, 2235, was called by selective service.

Life in the Arctic Healthy, Says Ken, But Oh So Cold!

Not long ago Ken Weidner was almost on top of the world. That's not a figure of speech. Ken spent two years at an arctic test station on Hudson Bay before he came to Sandia in 1949.

He helped test Army Corps of Engineers equipment in temperatures of 40° below zero at a place called Fort Churchill, Manitoba province, Canada.

"When I got out of the Army in 1947," Ken explains, "I wanted to



Ken Weidner

get a backlog of cash as soon as I could so I volunteered for this project. It's a U.S.-Canadian base designed to find out how equipment like bulldozers and arctic clothing stand up under extreme cold. Fort Churchill is well-suited for the job, it's situated in the coldest spot on the North American continent."

Wind Blows Continually

There are places that boast lower temperatures, but none feel as cold because of a factor called wind chill. Adequate clothing keeps body heat from escaping too fast in most climates, but at Fort Churchill a constant wind whistles over the vast flat lands surrounding the base and whips away your body heat almost as fast as you generate it.

Although the snow falls often, Ken seldom found it more than ankle deep. The ever-present wind sweeps the snow along so it never has a chance to pile up unless it hits an obstacle such as a building. Then it forms drifts that sometimes completely cover the building. For this reason the engineers never cleared the roads into the fort. It would have meant piling the snow along the side of the road and overnight drifts would bank against these piles until the road became more impassable than the snowy flats on either side.

Ken arrived there in September, 1947, and awed by the problems of existence in that weather, took every precaution to prevent frost bite.

"The next winter I figured I was something of a veteran up there so I relaxed and before I knew it I had been frost bitten three times."

Frostbite Dangerous

Five minutes in the open and the white spots denoting frost bite appear on any unprotected areas of your skin. All you can do then is get where it's warm and wait and hope for your circulation to get through the frozen spots. Rubbing snow or putting cold water on frost bite is not only useless, it's dangerous, Ken says. Any rubbing may bruise or break the skin.

He lived with the rest of the bachelors of his group in an Army type barracks building heated by a crude oil stove that left the corners much too cold for comfort. The barracks had no foundation, none of the buildings did. Even the telephone poles were propped up instead of being sunk in the ground. There is a permanent frost that extends 75 feet below the ground, summer and winter. This frost produces a heaving action, due to small thawings and freezings, that forces up any buried object.

The ground itself is a phenomenon. Ken, in the course of his work testing digging equipment, dug out a block of frozen earth and found it was 80 per cent water. This ground is called muskeg and in the summer it thaws down about 12

August Newcomers to Sandia Number 164; Come From 25 States, Panama

Twenty-five states and one foreign country provided new employees for Sandia Corporation during the month of August. A total of 164 newcomers joined the Corporation during the month. There were 111 men and 53 women. The youth of the new employees again emphasized the opportunity for young people in Sandia Corporation. Average age of men was 33 and women 27. August newcomers to Sandia number 164; come from 25 states, Panama.

46 College Grads

Of the 164 new hires 128 were married and there was an average of two children per couple. Six of the new employees graduated from college this June and a total of 46 hold college degrees.

Following is a table showing the degrees held by the college graduates:

Degree	B.S. or B.A.	M.S. or M.A.	Ph.D.
Electrical Engineering	6	2	
Mechanical Engineering	5	1	1
Physics	7	3	3
Business Administration	1		
Mathematics	5	3	2
Physical Education	1		
Civil Engineering	2		
Mining Engineering	1		
Industrial Relations and Management	1		
Education	1	1	
Chemistry	1		
Total	30	10	6

Represent Many Schools

Following are the 22 colleges where the new employees received their degrees:

University of New Mexico, Texas Christian University, Northwest Missouri State Teachers College, University of Colorado, University of Iowa, University of Illinois and University of California.

Colorado A & M, Western Kentucky State College, Purdue University, Massachusetts Institute of Technology, University of the South, Central State College and Oklahoma A and M.

University of Arizona, University of Kentucky, University of Texas, University of Idaho, University of Washington, Missouri School of Mines, Southwestern Louisiana Institute and University of Missouri.

Following is a list of the 25 home states of the new employees and the number from each state:

- New Mexico 84
- California 12
- Indiana 9
- Arizona and Texas 8
- Tennessee 5
- Washington 4
- Colorado, Illinois, Michigan and Ohio 3
- Alabama, Kansas, Kentucky, Missouri, Mississippi, New Jersey, and Wisconsin 2
- Idaho, Iowa, Maryland, New York, North Dakota, Oklahoma and Pennsylvania 1

One new employee lived in Panama prior to moving to Albuquerque.

inches to the perma-frost and forms a muddy bog.

Recreation Limited

Practically the only recreation for the arctic testers was occasional 16mm movies and basketball. They played basketball in a huge unheated barn-like building. Many a game was lost, Ken recalls, because of numb fingers.

Drinking water was the biggest problem. It had to be trucked from the myriad small snow lakes on the flats and if a truck broke down the fort was faced with a major crisis.

Despite all the discomforts, Ken says he was never more healthy and that held for most of the fort's inhabitants. Babies especially thrived in the cold, he says. It was a common thing to see an infant outside in a baby carriage in 30 below zero weather for an afternoon airing.

But offered a choice, Ken wastes no time in choosing New Mexico. The arctic, he says, will never be a land of enchantment for him, aurora borealis or no.

News From Men in Service

Pvt. Herman R. Perea, formerly of 2241, has completed noncommissioned officers school in the 31st "Dixie" Division at Fort Jackson, S.C., and is now eligible for promotion. Herman writes that basic training is all over and he will soon be stationed in Camp McCall, N.C.

Seeing duty in the new hospital on Sandia Base is Cpl. Ruth H. Day, formerly an employee of Sandia Corporation in 2222-1, who was called back to duty in the WAC. Cpl. Day is in medical supply and writes, "I like my work very much and still feel the same pride in being a part of the Army of this United States of ours."

Ray H. Lee, who worked for Sandia Corporation in 1225, is now a captain in the artillery and is on duty at Sandia Base as an instructor in the Technical Training Group.

Fred H. Schneider reports that he is "one of those extremely fortunate individuals who has been recalled to active duty in his own town." Fred, a first lieutenant, is assistant military personnel officer in Special Weapons Command Headquarters, Kirtland. He says that his work is similar to that of Sandia Corporation's training and education division. Fred was in 4212.

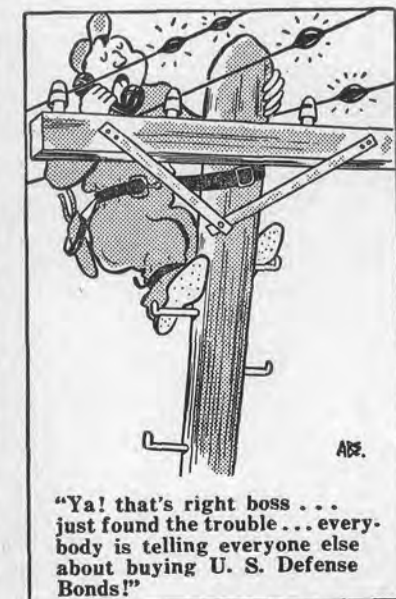
Intensive training in amphibious assaults is reported by Sgt. Edan Raney, formerly of 2452. Sgt. Raney, who was a reservist called back to active duty with the Marines, has been in a Floating Bridge Company of Fleet Marine Force Pacific. He has many interesting stories of assault training under blank fire and of bridge construction in the black of night. He expects to return to civilian life soon and rejoin the guard force here.

Avilio S. Aragon writes that he is now a mechanic in an Engineer Aviation Battalion. Avilio, who was in 2414, had basic training at Fort Leonard Wood, Mo., and is now at Camp Beale, Calif. He reports there will soon be another move for him.

One Square Dance In September

Due to a change in schedule Coronado Club square dancers will have their only dance of the month Friday, Sept. 21. Music will be provided by the Duke City Cowboys and refreshments will be served by the Coronado Club.

Coronado Square dancers enjoyed the Albuquerque Lions Club benefit square dance last week. Luther Yost, 1230, was invited to call a dance representing the Sandia Base group.



AROUND THE DEPARTMENTS

Nancy Martinez, 2461-3, enjoyed the Labor Day week end visiting in Juarez. She watched her first bullfight and claims it is most exciting.

Marcial Valdez, 2461-3, took in the Santa Fe fiesta over the recent holidays. He was much impressed and enjoyed all the festivities.

Eddie Segura, 2461-3, and family visited relatives in Taos, N.M., recently and Emmie tried her hand at fishing for the first time. She caught five 10-inch fish and is mighty proud.

George Blea, 2461-3, is back on the job after a month's illness. His co-workers welcomed him back in grand style.

Proud parents of a new daughter are Mr. and Mrs. Fred Pfeffer. Virginia Lynn, weighing 6 lb. 3 oz., arrived August 20. Fred passed the cigars to fellow-workers in 2461-3.

Vacationing in Denver recently was Helen Russo, 1220. Helen went up with her 13-year-old son who is entering the Colorado Military Academy there.

Dick Pershing, 1220, made a tour of the Indian pueblos of New Mexico for his vacation. He also included a trek to Denver. Richard Kidd, Jr., also of 1220, journeyed to Illinois and Iowa.

Barney Jordan, 2331, his wife and their three sons recently returned from their vacation trip. They visited such scenic spots as Boulder Dam, Yosemite, San Francisco, Los Angeles and Phoenix and camped out along the way. In addition to an exciting vacation to talk about, the Jordans have a new home at 621 S. Arizona.

Bernadine Eiffert, 2300, is spending her vacation time visiting relatives in St. Louis, Mo.

Frances Sheppard, 2333, and her husband Orvin, 2252, are vacationing in Salt Lake City and vicinity, just sightseeing.

Betty and Charles Phelps, both of 2334, chose Galveston and Ft. Worth, Tex., for their vacation trip.

Vacationers in 2210 recently were Bill Kraft, 2211, Dick Hickman, 2213, and Charles Simpson, 2212. Hollywood didn't retain Kraft, Simpson escaped from Las Vegas and Hickman stayed at home with a sick automobile.

Patricia Anderson, 2210, was recently elected secretary of the Ladies Bowling League.

Jacque Quinn, 2213, enjoyed her Labor Day week end at the Santa Fe fiesta.

George Ison, who had an operation last month, is back on the job looking better than ever. George is in 4151.

Carl Gregory, 2212, was seen selling some of his golf equipment to Don Weldon, 2211. His co-workers are wondering if a helping hand with his golf game would help.

Evelyn Wade, 2210, is promoting a department picnic to be held September 30 in the mountains. "Evie is a good kid," is a favorite expression in 2210.

Returnees from vacations are Harry O'Ren, John Logan and John Hess, all of 4151. Harry went to Chicago, Ill., and visited friends there and had two weeks active duty at the Great Lakes Naval Station. John Logan went to California by way of Oak Creek canyon in Arizona and returned by way of Las Vegas, Nev., and Colorado. John Hess went to California and tried some west coast fishing in addition to a short jaunt to Tijuana, Mex.

Mort Morterud, 2112, returned to the old stomping grounds at Westby, Wis., for his vacation. The rain started the day he arrived and the sun didn't come out until he left the city limits headed westward. Mort did enjoy the trip back to Albuquerque, with visits to Glacier and Yellowstone parks, Hoover Dam, and the Grand Canyon.

Leta Foster, 2114, and her family enjoyed the Labor Day week end driving to Denver and visiting Estes Park.

Fern Spencer, 2114, spent her three-day week end in Las Cruces visiting her parents.

Vern Garratt, 2113, returned from a week's vacation admitting weariness. Vern spent the week helping his wife with the involved care of newly arrived young Mr. Garratt.

Welcome back to Keren Ivy, 4215, after a leave of absence. It's a boy—congratulations.

Jessie D. Wright, 1521-1, enjoyed his vacation in his home town of Hamilton, Mo.

Phil Hempin, 1520, and her husband are enjoying their vacation at Estes Park, Colo.

Ralph Ridenour, 4215-1, is sporting a beautiful, blue, 1951 Plymouth.

Dennis Salazar, 4215, toured Mexico on his vacation.

Barbara and Joseph Hegge, 1214, enjoyed sightseeing at Taos over the Labor Day week end.

After visiting relatives in Chicago and Boston, Evelyn McHugh, 3152, and her husband vacationed through New England and Canada.

Don Jenkins, 3152, spent two weeks vacation with his family in Chicago.

Mary Witcher, 3153, visited relatives in Hobbs, N.M., and Odessa, Tex., during her vacation.

Polly LeHaye, 3151, and her husband, Jimmy, saw the state of Colorado during their vacation. They visited Colorado Springs, Denver, Royal Gorge and Canon City.

Dean Irvin, 3153, and his family journeyed through Colorado and Wyoming for a vacation. They also went into Nebraska and were present for Dean's parents' celebration of their 35th wedding anniversary.

Art Machen, 1710 department manager, returned Monday from a one-week vacation trip to the coast where he visited friends and relatives in and around San Francisco.

Irv Broverman, 1712, is spending a vacation in Pittsburgh visiting his father and mother.

Max Weber, 1714, took a trip to Mesa Verde over Labor Day week end. For the benefit of those who may be planning such a trip, Max reports three days are required if you want to be able to see enough of the interesting sights to make the trip worthwhile.

Florence Burwell, 1714, spent an interesting Labor Day week end. She and her husband (a student at the University) visited Carlsbad, the Bottomless Lakes and the Longhorn Ranch. They started for Lake McMillan on the way back from Carlsbad, but took the wrong turn and wound up camping out at Lake Avalon.

H. J. Smyth, 2510, and Mrs. Smyth spent an enjoyable Labor Day week end vacation in Colorado. After riding the Cog Train to the top of Pikes Peak, they saw the finish of the annual Pikes Peak auto race.

Leta Faber, 2232, has just returned from vacation in Canada.

Gertrude Theiler has been transferred from 1213 and is now working in 1111.

Congratulations are in order for Mr. and Mrs. Arthur McMullen on the birth of a daughter, Karen Louise, weighing 7 lb. 6 oz. Art works in 1132.

Mary Helen Sharkey, 2230, was given a surprise birthday party by her mother while vacationing in Boston. She was accompanied by her son, Jackie.

Congratulations to the following proud fathers in 2230: Harry E. Bell, 2231; Fred R. Callahan, 2235, and William E. Reed, 2233.

The following people in 2230 are sporting new cars: Don D. Wader, Buddy Abeyta and Dennis B. Sparger. They're running competition to see who can keep his the cleanest.

E. J. Whitmore, 2235, and family are enjoying a visit from their son, Cpl. E. J. Whitmore, Jr., USMC, who is home on leave.

Allen Dale, 1912-3, is the proud owner of a spankin' new 1951 Studebaker Champion.

Jackie Hecker, 1210, has returned from a two-week vacation. She visited Denver, Salt Lake City, Los Angeles and Phoenix.

Lee Ferrarri, 1210, is spending two weeks vacation in Southern California.

Mary Bascome and Delia Stiles, 1912, are back after spending a week of vacation at their homes "just resting."

Charlie Schmidt, 2113, joined his wife in St. Louis where she had been vacationing with her parents. Charlie's five-day vacation there was highlighted by water skiing at the Lake of the Ozarks. He took movies of a boyhood friend, Billy Berberich, one of the few skiers who do the job with no skis!

Lois Kelley, 2111, has the fish-story of the week. Her husband landed a 36-lb. catfish while on their week-end jaunt to San Marcial Labor Day.

Dr. Paul A. Northrup, who has been with the Corporation for the past year on a special assignment, returned last week to his job as head of the Physics Department at Vassar.

C. W. Carnahan, 1130, and family are spending their vacation in sunny California.

Coronado Club Notes

Dancing students who have been attending the Arthur Murray instruction sessions will want to make a notation on their September calendar of events that next week's instruction will be on Wednesday night instead of Tuesday. The change was made in order to avoid a conflict with other activities.

Bob Van Driel and his orchestra will play for tomorrow night's informal dance from 9 to 1.

At a recent board meeting the directors authorized the repair of the billiard tables and every effort will be made to keep the equipment from being abused or damaged in the future.

Have you noticed the quality of the bingo prizes lately? Carl Lindquist, director in charge of bingo, is always open to suggestions for bingo prizes that can be obtained with the money available. The next bingo party will be Wednesday the 26th.

Coronado Club Schedule

Saturday, Sept. 15 — Dance, Bob Van Driel orchestra, 9 p. m.
 Wednesday, Sept. 19 — Arthur Murray dance instructions, 8:30 p. m.
 Friday, Sept. 21 — Square dance, 8:30 p. m.
 Saturday, Sept. 22 — Dance, Joe Cata orchestra, 9 p. m.
 Wednesday, Sept. 26 — Bingo, 8 p. m.
 Thursday, Sept. 27 — Bridge, 25 cents per person, 7:45 p. m.
 Saturday, Sept. 29 — Dance, Tom Morgan orchestra, 9 p. m.
 Sunday, Sept. 30 — Buffet dinner-dance, 6 to 10 p. m. Bob Van Driel orchestra.



Fly Boys May Qualify to Be Quiet Birdmen

Here's a chance for you QB members to do a bit of stag hangar flying. George Kloepper, 1283, is a member of that not-so-ancient (it dates back to 1921) and not-so-mysterious (it has no rules or laws) Order of the Quiet Birdmen and he'd like to rally other QBs about him and form an active Albuquerque group.

For the uninitiated ground-bound neophyte, George explains the organization is a men-only club of fliers or ex-fliers who have at least 300 hours in the air. The monthly meetings of the group give the boys a chance to do some dinner table flying, reminiscing and barnstorming. Each club is known as a hangar.

No dues, no rules, and a small entrance fee free the QBs from all red tape, George says. If you qualify and wish to be a Quiet Birdman call George, ext. 7251.

New Employees

A welcome is extended to new employees who have joined Sandia Corporation. Listed here are the newcomers who arrived between August 24 and September 6. The listing of newcomers is a regular feature of the Sandia Bulletin.

Thomas B. Cook, Jr.	1114-2
James H. Smith	1123
Henry S. Sack	1140
Hugh D. Brunk	1140
David A. Mayhew	1212
Don Van Couden	1212
Franklin V. Naugle	1242
Richard A. Freeman	1243
Erroll Stone	1251
Charles A. Tucker	1251
Charles H. Christie	1251
Jerome C. Didier	1251
Harvey McGowen	1282
Harley Walker	1511
Ross Birdsell	1540
Harley D. Moody	1614
Jack L. McDaniel	1614
Arthur M. Cobb	1614
Lou K. Ivy	1915
Fred J. Villa	2112
Maria Yrene	2113
Lucille C. Hillebrand	2121
Kay M. Graff	2121
Clayton A. Loftin	2122
Kenneth R. Dickerson	2123
Donald A. McFadden	2123
Juan P. Cordova	2123
Roland W. Kurth	2123
Leonard J. Nelson	2123
Winston French	2123
John Smeltzer	2123
Delmar W. Dufty	2123
Charles E. Horner	2123
William E. Nicholas	2124
Marion Drago	2124
Leroy M. May	2223
Josephine Lobato	2234
James Grier, Jr.	2251
Robert J. Kronberger	2251
John H. Samuelson	2251
William M. Simpson	2251
Eloy V. Sedillo	2251-2
Margaret M. Ussery	2312
Louis J. Price	2411
Walter A. Madden	2411-1
Della Mae Johnson	2415
Robert P. Kelly	2415
Ralph T. Miller	2417
Oscar I. Thompson	2452
John F. Flynn	2452
Samuel G. Thomas	2452
Bartholomew J. Coveney	2452
Stuart E. Shew	2461
Jean W. Lackey	2463
Barbara A. Yates	3151
Clara E. Koebke	3152
Dorothy L. White	3153-1
Richard E. Beckman	3220
Bertha Arguelles	4135
Anna Lou Holley	4135
Betty J. Cooke	4222
Delia C. Sanchez	4222
Claire E. Roberts	4222
Herman Romero	4222
Daurice A. Hall	4222-1
Mary K. Mulford	4222-1
Miriam D. Martinez	4222-2
Celeste M. Meilner	4222-2
Elizabeth J. Sinnott	4222-2
Clerinda L. Montoya	4222-2
George W. Browning, Jr.	4233
Frances J. Rinn	4233



COMMUNITY CHEST COMMITTEE MEMBERS left to right around the table are: F. L. Dewey, 200, general chairman; C. W. Eggert, 2414; J. K. Merillat, 3122-1, treasurer; E. J. Cooney, 4100, solicitations; Theresa Sullivan, AEC; Mr. Rubincam, Mr. Greer, Bob Hawk, 4215; T. B. Sherwin, 3125, publicity; and R. P. Petersen, 1100. L. J. Heilman, 2400, was unable to attend.



WOMEN'S SKEET SHOOTING CHAMPION of Sandia Base, Erma Fauerbach, AEC, receives the congratulations of Brig. Gen. Leland S. Stranathan. Erma won first place in the competition sponsored by the Sandia Gun Club.

Sandia Corporation Promotions

CHARLES R. BARNCORD has been named division supervisor of 1231. He is married and has an 8-year-old son. Charles came to Sandia in 1947 after spending three years at Los Alamos. He worked for two years in aircraft plants prior to entering the service in 1942. Charles holds a mechanical engineering degree from the University of New Mexico. He lives in Albuquerque with his family.

CHARLES A. SEAY has been named supervisor of Division 1223. He joined Sandia Corporation in 1946 after a year's Army service. From 1941 to 1945 he worked as a tool and machine designer and production consultant for firms in New York, Georgia and Louisiana. He studied mechanical engineering at the University of Arizona.

WALLACE T. SMITH is now division supervisor of 1615. He came to Sandia Corporation in 1949 after working two and a half years at the New Mexico School of Mines as a field test supervisor. For eight years prior to that Wallace was employed as a field test supervisor by International Telephone and Telegraph Co., in New Jersey. The Smiths live in Albuquerque.

WILLIAM B. DAVIS has been promoted to supervisor of Section 4133-1. For four years prior to joining Sandia Corporation in 1950, he worked as office manager for an Elk City, Okla., firm. He has a total of 12 years office experience, three years of Army service. Bill studied business administration at Oklahoma A & M. He and his wife live in Albuquerque.

VICTOR V. MYERS has been promoted to section supervisor of 1633-3. He is married and has a 4-year-old son. Vic received a bachelor of science degree in electrical engineering from the University of New Mexico before coming to Sandia Corporation in 1948. He is a veteran of two years service in the Navy and lives in Albuquerque with his family.

ROBERT R. SOWELL has been named section supervisor of 1514-3. He took his master of science degree in zoology at Oregon State College before joining Sandia Corporation in 1949. Previously Bob received a bachelor of science degree in zoology from the University of Oklahoma. Mr. and Mrs. Sowell live at Cedarcrest, in Tijeras Canyon.

CARROLL B. McCAMPBELL was recently appointed section supervisor of 1625. He came to Sandia in 1949 after two years as operator of a seismic truck for an oil company. He spent a year in Egypt exploring for oil. Carroll is a veteran of three years in the Marine Corps, and has a degree in electrical engineering from the University of Colorado. The McCampbells live in Albuquerque.

JAMES E. BIRCHFIEL was recently named supervisor of Section 4135-2. He is married and has two daughters, 11 and 5 years old. James was employed by Sandia Corporation in 1950. He came here from the Aluminum Company of America in Alcoa, Tenn. He has 14 years experience there in stores costs and as a cost accountant. The Birchfiel family lives in Albuquerque.

JACK O. ROBERTS is the recently appointed supervisor of Section 1542-4. He came to Sandia Corporation in 1949 from the University of Colorado where he earned a bachelor of science degree in chemical engineering. From 1942 to 1945 Jack served in the Army, including two years in Italy. Jack is married and lives on Sandia Base.

ROBERT B. BUNKER is now the supervisor of Section 1633-4. Prior to joining Sandia Corporation in 1948, he graduated from the University of New Mexico with a bachelor of science degree in mechanical engineering. From 1943 to 1944 Bob worked in the maintenance department of a California firm. He spent two years in the Navy. Mr. and Mrs. Bunker live in Albuquerque.

ERNEST L. ARTERBURN is the new supervisor of Section 2432-1. In 1946 he transferred to Sandia Base from Los Alamos while still in the Army. He was discharged from service and came to work as a civilian here that same year. Ernest worked at Los Alamos from 1945 to 1946. Before entering the service he worked for seven years as a machinist. Ernest and his wife live in Albuquerque.

AROUND THE DEPARTMENTS

C. A. Ashby, 2512, and Mrs. Ashby are becoming quite the week end travelers. Two weeks ago they traveled to Grand Canyon, the Painted Desert and the Petrified Forest, in Arizona. Labor Day week end was spent in showing Mrs. Ashby's sister, who is visiting from New Jersey, the sights of Juarez.

Millie and Doc Pickard spent their two week vacation working on their home up in Tijeras Canyon. Millie is in 2224 and Doc is in 4131.

Division 2512 welcomes "**Billie**" Braffett, who transferred from 3152.

Danny Aycock, 2224, and his wife are now visiting their parents and friends in Arkansas.

Bob Fleege, 2462-1, made a quick trip to Los Angeles over Labor Day and apparently had such a good time that he's decided to go out again on his vacation next week.

Kay Norton, 1133, and **Dorothy Drury** drove down to Chihuahua, Mexico, over Labor Day week end. They recorded most of the trip on motion picture color film. They are anxious to get the film back from the developer's so they can show movies of their nice holiday.

John Noe, 1133, has been ill for the past week. His co-workers hope to see him back at work soon.

Burt Bittner, 1132, took his family to Wisconsin for vacation in his vacuum-painted (eggshell, no less) automobile. His friends hope he still has the paint job when he gets back home.

A. Perkins, 1130, has been putting in long hours at home working on the lawn and patio of his new home. His Sandia friends are waiting for the word on that "open house."

Lots of people in 1130 were on vacation recently — **Art Campbell, 1134, Woody Black, 1132, Dave Middleton, 1135, Jack Miller, 1131,** and **Sten Persson, 1134,** were all taking life easy.

Ray Opperman, 1134, will start six months leave of absence this month to return to school.

Pat Jones, 1130, has been substituting as secretary to **Mr. Poole** the past two weeks while **Mavis Randle** was on vacation.

Siewke DeYong, 2234, wife Hazel and son Billy vacationed at the Grand Canyon, Prescott and Oak Creek Canyon in Arizona. When they returned to Albuquerque they spent three days at Red River where Leonard proved he was the best fisherman of the family by catching two "big-uns". His wife and son could give no competition.

Frank H. Grubbs, formerly 4132, has transferred to 4233 reporting to **H. W. Maglidt.** Frank strayed on his way over, however, to attend a two-week training period at Fort Bliss, Tex. He is the state signal officer of the New Mexico National Guard unit.

Arlin D. Pepmueller, 4232, and his wife went to Santa Fe on Saturday and celebrated through Sunday of the fiesta. **Robert C. Justice, 4234,** attended a private party in Santa Fe over the week end.

Richard Starkey was married to Helen Schilling August 31 in the United Brethren Church. Dick works in 2417 and his wife is employed by the First National Bank in Albuquerque.

Congratulations to **Mr. and Mrs. Fred Comstock** on the birth of a son. Fred is in 4152-1.

George W. Browning, 4233, spent the Labor Day week end moving his wife and two children into a new home at 616 N. Adams.

Edward C. Fletcher, formerly of 4231, has transferred to 4140 under **John W. Gray.**

Mike Michnovicz, 2462, attended a convention of the Photographers' Association of America in Milwaukee, August 25 to 29. He is a Council Representative of the Commercial Photographic Division of New Mexico. In addition to having a wonderful time, Mike reported that a highlight of the convention was a visit to the Milwaukee Journal photographic department.

Marian E. Schifani, 4232, entertained friends from Pasadena, Calif., over the Labor Day holiday.

Chuck Boal, 2462-2, and family took a tour of the Grand Canyon country and Hoover Dam over Labor Day. It was the first time Chuck had seen the two wonders of the world and he'd like to go back sometime.

Helen and Stanley Swanson recently visited Mexico City and Acapulco on their vacation. Helen works in 4211 and Stanley is in 1281.

AEC Skeet Shooter Wins First Honors In Sandia Competition

Erma Fauerbach, AEC, was awarded the women's champion skeet shooting cup for Sandia Base August 25. The competition was sponsored by the Sandia Gun Club and held on the Base Skeet Range. There were 55 entries, 3 of whom were women. Erma started shooting trap and skeet at Oak Ridge, Tenn., when she was employed there by AEC. Topeka, Kans., is her home town and she has been working at Sandia and living in the base dormitory for a year.

Marriages Engagements

Engagement of Wanita Wright to Edwin Jenkins, Jr., 2244, was announced August 25 by her parents, Mr. and Mrs. Glenn Wright, Quincy, Ill. Wanita has been working for the Corporation for two years and is



Miss Wright Mrs. Clawson

now in 1514. No wedding date has been set.

Mr. and Mrs. Robert E. Poole recently announced the engagement of their daughter, Diana, to Frank John Fortine, 1542. Miss Poole, a graduate of Beard School, Orange, N.J., attended Bryn Mawr for two years, and is now studying at the University of New Mexico. Her fiance attended schools in New York, California, and Pacific States University in Los Angeles. The couple plans a December wedding in Morristown, N.J., former home of the Pooles. Mr. Poole is Director of Development for Sandia Corporation.

Charlotte Clark, 1250, became the bride of S/Sgt. Elmer E. Clawson August 8 in the Congregational Church. Sgt. Clawson is stationed with the Air Force at Kirtland Air Force Base.

Jo Ann Lohner and Pfc. O. L. Emerson were married August 29

What's My Line?



What Is This Man's Job With Sandia Corporation?

He turns theory into reality. His work requires fine measurements and painstaking attention to detail. In many respects his work comes first in actual production. He spends much of his time on his feet and his work requires that he know how to operate several different types of industrial machines. What's his line? See page 6 for the answer.

in Bernalillo. Jo Ann, an Albuquerquean, has been working for the Corporation in 3153-1 for eight months and her husband who is from O'Brien, Tex., is stationed with the Air Force at Kirtland Field.

Freedom's Not Everywhere, But The Motta Family Found It Here

This country has long been a haven for refugees from oppression. In the years gone by, as today, these hopefuls have come to United States looking for freedom and opportunity.

What becomes of these families after they arrive in New York? Do they find their dreams fulfilled and how do they fare in this big, strange country? How do people from other lands live through the years following this sudden change in their lives? We cannot tell the stories of all

of them for there have been millions who have come to the shores of America since the turn of the century. However, we can tell the story of one family. It is the tale of the Motta family, formerly of Sicily.

John Motta was the successful owner of a machine shop in the city of Catania on the east coast of the island. Though not a rich man, Mr. Motta was independent and had a happy family. His wife and two

children made life complete. The son, young Salvatore, attended the Royal Nautical Institute in Catania, graduated as a marine engineer in 1928 and had hopes of a job on a trans-Atlantic liner.

But Italy changed. Fascism came to the country and liberty disappeared. No longer was the Motta family happy. To regain their liberty they decided to go to America. In 1928 the family sold all its belongings and sailed for New York.

There they made their home and started life anew.

Young Sal worked as a machinist during the day and attended night classes at the College of the City of New York. The father worked as a tool and die maker in New York. The country was good to the Mottas and they found freedom in abundance. Young Sal soon graduated from CCNY and started on an engineering career with aircraft manufacturers.

The years passed by and Sal was married. In 1948 he came to Albuquerque and went to work for the University of California at Sandia Base. Today Sal is an engineer in Division 1211 of Sandia Corporation and the father of three fine sons. Sal's father is still employed in New York and the Italian family which could find no liberty across the sea is now an American family, United States citizens, enjoying the freedom of a free country.



WHO'S AFRAID OF A POLICEMAN? Not John, Bobbie or Ralph, the three young Motta boys. Life here is a far cry from a police state where rule is through fear. In America a policeman can be a young

boy's best friend. State Patrolmen Lester G. Raney and Earl E. Tesman like people and people like the officers, who are the symbol of law, order and another of the four freedoms: Freedom from Fear.



IN AMERICA YOU MAY SPEAK WITHOUT FEAR OF REPRISAL. Soon after the Motta family arrived in United States they learned that they could speak out with no fear of punishment. It was their right to speak as they pleased. Sal is now a member of a Toastmaster's club and each week he joins other members of the club in freely and publicly discussing matters of current interest. Freedom of speech and freedom of assembly are treasures valued most highly by the new Americans who have been subjected to oppression in their former home countries. The Mottas are proud of the first of the Four Freedoms: Freedom of Speech.



GOING TO CHURCH ON SUNDAY is a privilege the Mottas enjoy in this country. They may go to any church they wish, they may worship when they please as they please. Religion is an important part of the freedom enjoyed by Americans. Churches and church leaders are among the greatest sufferers of tyranny, for dictatorships cannot tolerate the teachings of any religion. The Mottas exercise their second freedom: Freedom of Worship.



IN THE LAND OF OPPORTUNITY one of our greatest privileges is that of being able to enjoy the fruits of our labors and at the same time save for the future. Sal puts a portion of every pay check into a savings account, each month money goes

toward the purchase of U. S. Defense Bonds and he also participates in the Sandia Corporation Retirement Plan. A home, an automobile, abundant food also demonstrate the Motta's enjoyment of another freedom: Freedom from Want.

SANDIA BULLETIN

Vol. 3, No. 3 Sandia Corporation, Albuquerque, N. M. Feb. 2, 1951



Left to right, Maj. Gen. R. M. Montague, Brig. Gen. John S. Mills, Senator Clinton P. Anderson, George P. Kraker and George A. Landry.

Senator Clinton P. Anderson Pays Official Visit to Sandia Base and Laboratory

Senator Clinton P. Anderson, New Mexico, recently appointed member of the Joint Congressional Committee on Atomic Energy, visited Sandia Base on Monday, January 29. He was taken on a conducted tour of the Laboratory and Sandia Base facilities.

The Senator discussed Base activities with the Sandia Corporation staff, officials of the Atomic Energy Commission, Sandia Base, and Kirtland Field at a luncheon held in the Coronado club. At the luncheon, in addition to Senator Anderson were Major General Robert M. Montague, Commanding General, Sandia Base; Brigadier General John S. Mills, Commanding General Special Weapons Command, Kirtland Air Force Base; George P. Kraker, Field Manager, Atomic Energy Commission; D. F. Worth, Assistant Field Manager, Atomic Energy Commission; George A. Landry, President, Sandia Corporation; and members of the Sandia Corporation Staff.

Article and Pictures of Sandia in WE Magazine

Sandia Laboratory will be featured in the February issue of WE Magazine, published for employees of the Western Electric Company, according to Harold Sharp, Superintendent of Personnel and Public Relations.

The Public Relations staff, with the assistance of the Photographic and Reproduction staff, obtained a number of photographs of unclassified activities around the Base, and submitted the article and pictures to the Atomic Energy Commission for security clearance. The magazine will be released about February 15.

Enough copies of the magazine have been ordered to provide a copy for each employee at Sandia.

Gen. Montague Honored At Farewell Luncheon

Maj. Gen. Robert M. Montague, Commanding General of Sandia Base since July 15, 1947, was honored Wednesday at a luncheon by members of the Sandia Corporation staff, and officials of the



Gen. Montague

Atomic Energy Commission. General Montague will leave Sandia today to accept a new assignment in the European Command.

Speaking to the luncheon gathering at the Coronado Club, General Montague expressed his appreciation for the cooperation he has received from the AEC and Sandia Corporation in connection with his responsibilities as Base Commander. He paid high tribute to the achievements of personnel, both military and civilian, who are meeting the challenge of accelerated programs in all departments. Mr. Landry, in wishing the Gen-

Evening Cafeteria Service Will Start at Coronado Club Restaurant February 5

To provide an evening meal service which will better meet the varied needs of those it serves, starting Monday, February 5, the Coronado club restaurant will operate exclusively as a cafeteria including evening meals, according to Manager Adam Habler.

The Cafeteria will be open to all Sandia Base personnel and their families whether or not they are club members. Evening meal service will be from 5:15 to 7:45 p. m., Monday through Saturday. As in the past, every other Sunday a buffet dinner will be served at a charge of \$1.75 per person, including a special smorgasbord as well as a choice of dinner entrees and lively dance music in a cabaret setting beginning at 5 p. m. The next buffet dinner will be this coming Sunday, February 4. The cafeteria will not be open on Sundays when buffets are not scheduled.

A West Point man, General Montague has served continuously with the Army since he was commissioned in 1918. During World War II he was artillery commander of the 83rd Infantry Division, the first to reach the Rhine river on March 2, 1945. The nature of his new assignment has not been announced.

Succeeding General Montague at Sandia will be Brig. Gen. Leland S. Stranathan, who will arrive at Sandia February 12. At the present time General Stranathan is Deputy Chief of the Armed Forces Special Weapons Project for the Air Force, Washington, D. C.

All food will continue to be prepared under the direction of Chef Clifton LeVay, and the high quality and liberal servings will be maintained. Dinner patrons will be able to select their choices, rather than ordering a pre-selected meal, and they may choose a snack or a banquet dinner. Service will be expedited and it is expected that no one will have to wait in line very long.

Children's plates will be available at reduced prices on most entrees. Steaks will be prepared on order and served to the table when ready.



It is L (for lunch) hour in the Coronado club cafeteria and Manager Adam Habler and Chef Clifton LeVay pass final judgment on the soup for the meal.

SANDIA BULLETIN

February 2, 1951

Published for the employees of
The Sandia Corporation
Albuquerque, New Mexico

Printed by Photographic and
Reproduction Division

The Sandia Bulletin is published every second Friday. Contributions should be mailed to The Bulletin, Employee Services office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Coronado Club Schedule

FEBRUARY

(Clip this program and save it for a handy reference)

Sunday, Feb. 4 — Buffet Dinner Dance.

Saturday, Feb. 10 — Valentine costume dance. Don Lesman and his orchestra will provide the music.

Wednesday, Feb. 14 — Bingo.

Saturday, Feb. 17 — Informal dance with jukebox music.

Sunday, Feb. 18 — Buffet Dinner Dance.

Wednesday, Feb. 28 — Bingo.

AROUND THE DEPARTMENTS

The Employee Services Department, 3120, has lost one of its employees, Mrs. Joan Fullerton. Joan was secretary to C. W. Campbell. Mrs. Beulah Amole, formerly of Business Methods department, has taken over Joan's job. Joan is making housekeeping a full-time job.

Mrs. Lois Allen of Expediting, 2331, will be leaving her position this month.

Lucille Rhodes of Expediting, 2331, is going to take in some of that "south of the border" scenery. She is taking a two week vacation to Mexico City.

Shipping and Receiving Division held a going-away party for Larry Chavez and Bruce Gardner. Larry was drafted and Bruce has been called by the Air National Guard.

Vera Mae Gardner of Expediting, 2331, is mighty proud of that new home of hers at 1511 N. Aliso drive. The Jack Reams also have a new home on Carlisle. Jack is with the Purchasing department.

Harlan Kelsey, of Quality Assurance Department, 1510, reports that his son, Turk, who is in the Navy will be returning soon to his ship in Korea. Turk has been spending his leave in Massachusetts with his fiancée. Mr. Kelsey explains that his son is called Turk because he was born on Thanksgiving day.

Betty Wright of Project B & D department, 1240, has been home ill with pneumonia for the past

Teen-Agers Turn Actors In Little Theatre Play

Sandia Base teen-agers will present "The Uncertain Age" tonight and tomorrow night at 8 in the old Base theatre. The play, a three-act comedy of youth, was written by Hilda Manning and is being sponsored by the Sandia Base Little Theatre.

Members of the cast include Janis North, Evelyn Northrup, Carol Miller, Ann Kennedy, Carol Sampson, Bette Lefler, Hazel Reed, Edward Duck, Bill Dietrich, Top Paxton, Tom Roy, Margie Morse, and Park Sims.

Production staff members are Bob Roy, stage manager; Buddy Smith, property manager; June Sangster, publicity director; Jimmy Dill, ticket manager; Joan Stamm, make-up chairman; Robert Hines, Dan Worth, Dick Chapman, and David Sproul, members of the stage crew. Ushers will be Clela Martin, Pat Sangster, Nancy Nail, Norma Sims, Betsy Pierce, and Phyllis Holder.

three weeks. Everyone hopes she will return soon.

Project A & C department, 1210, reports that Woody Heath is walking around with a gleam in his eye and that he has been seen looking at "Diamonds."

Personnel of Bldg. T-817 are very pleased over the paint job that the building and offices got last week.

Robert Findlay of Assembly department, 2230, seems to have survived the extreme cold in the East. He just returned from his vacation.

Charles E. Katzenberger, of Development Staff department, 1412, returned from his vacation in Ohio with a shining new Oldsmobile "88".

Ethel Abeyta, Assembly department, 2230, is getting ready to leave on her vacation Monday. Ethel and her mother are going to Baltimore to visit sisters there. Ethel is secretary for the Electrical Assembly division.

Willie "Slowball" Reed, Assembly department, 2230, has for sale a second hand bowling ball. Reason — his game is all shot.

Phil Dailey's, Assembly department, 2230, lectures on the evil of tobacco are reported as very convincing. They say it's been barely a week since he quit smoking.

Roy Hassebroek of Assembly department, 2230, was in the limelight several weeks ago when television movies were taken of square dancers between Fifth and Sixth on Central. They were taken for the television show, "Key to the Cities."

Program Scheduling department, 2210, reports that spring has sprung in their department — their boss wore a straw hat to work.

Committee Formed to Assist in Deferment and Mobilization Plans

Information about the ins and outs of deferment eligibility and procedure, service benefits, reemployment rights and a host of other details in connection with the present national mobilization program will be disseminated to interested employees through a 12-man committee recently formed.

Known as the Manpower Utilization committee, the group will carry out the objectives of (1) expediting the handling of deferments, (2) serving individually as sources of information for members of their respective organizations, (3) helping to bring about a better understanding of the manpower problems confronting the Corporation and (4) serving as the nucleus of a group which could handle a manpower emergency that might develop in the event of full-scale mobilization.

Chairman of the committee is Ted B. Sherwin, Public Relations division, 3125, whose organization handles all direct contacts with the military services and the AEC in connection with deferments. Committee members and the organizations they represent are as follows:

Frank L. Dewey, General Counsel, Org. 200.

W. A. Janvrin, Research, Org. 1100.

Henry M. Willis, Engineering,

Org. 1200.

G. R. Miller, Quality Assurance, Org. 1500.

Robert L. Spence, Field Testing, Org. 1600.

Lyle J. Biskner, Manufacturing Engineering, Org. 2100.

Robert Findlay, Production, Org. 2200.

Samuel K. Thomson, Purchasing, Org. 2300.

Sylvan S. Harris, Plant Services, Org. 2400.

Eugene W. Peirce, Personnel, Org. 3100.

R. M. Hansen, Secretary and Controller Org. 4100.

T. S. Daniel, Staff and Business Methods, Org. 2400.

The committee held an organization meeting this week and discussed a plan of operation. Each member will be kept fully informed of latest manpower policies of the Defense Establishment, and meetings will be held as required. This grass roots approach to individual problems as well as overall planning is expected to assist in solving manpower problems, and employees are encouraged to call upon their representative for information.

Popular etymology derives "news" from the initial letters of the names of the four cardinal points of the compass — North, East, West and South.



Present at the presentation of the Red Feather statuette to Mr. George A. Landry were left to right, Robert G. Nordhaus, Robert M. Hawk, Julian C. Moody and Mr. Landry.

Sandia Corporation Receives Red Feather Award from Albuquerque Community Chest

In recognition of the outstanding record of Sandia Corporation and its employees who contributed more than \$10,700 to the Albuquerque Community Chest during the recent fund-raising campaign, Robert G. Nordhaus, chairman of the local community chest, awarded a Red Feather statuette to President George A. Landry. Participating in the ceremony were Robert M. Hawk, president of Local No. 251, Office Employees International Union, A F of L and Julian C. Moody, president of the Atomic Project and Production Workers, Metal Trades Council,

A F of L. Both unions took an active part in the community chest program.

Preceding the ceremony, Mr. Nordhaus stated that the manner in which the Sandia Corporation Employees drive had been organized and executed had been an inspiration to his organization and had helped tremendously in setting the pace for workers in other industrial concerns. Mr. Landry commented that he was deeply grateful at the success of the drive and was particularly pleased at the fine teamwork displayed by the entire employee body in this worthy cause.

Weddings, Engagements Told by Personnel

It's always the season for weddings and engagements and Sandia Corporation personnel help us substantiate that fact.

Ella Jean Gross of the Housing Section married Herb Peterson of AEC Security in December. The Petersons spent their honeymoon in California.

Mary Turner changed her name to Mrs. Jack England the latter part of December. Both Mary and



McSherry

England



Peterson

Jack are with the Production Engineering Department.

Harold Hale of Expediting and Traffic Department and Aline W. Mayer, Albuquerque, were married January 27. They will be at home at 3227 34th St., Apt. F.

Yvonne Snider of the Purchasing Department was married to James Kilgore, Albuquerque, around Christmas.

Isabelle E. Gurule of the Surveillance Department and Ernest Torrez will be married tomorrow morning in Cuba, N. M. Ernest is a student at Browning commercial school.

Jim Fisher of the Development Staff Department has become engaged to Janet Thompson of Albuquerque. The wedding will take place in June.

The engagement of Rose McSherry, secretary to the Director of Quality Assurance, to Beardsley Graham was announced last month. Rose's fiancé is associated with the Stanford Research Institute in Palo Alto, Calif.

Housing Office Moved to Bldg. 301

The housing office, formerly located in the women's dormitory, has been moved to Bldg. 301.

Applications for housing, terminations and information should be directed to the Employee Services office, ext. 7131.

Payments for rent and other charges payable by tenants should be made to the Financial division of the Corporation, Bldg. 830.

All requests for service and maintenance should be made to the Housing Maintenance and Service division, Bldg. 3214, located on Sandia Drive west of the Coronado club, ext. 2-3111.



Norma Richter, secretary to W. H. Pagenkopf, Manufacturing Engineering, poses for The Bulletin's Valentine's Day picture. May this very attractive reminder serve as sufficient notice to all husbands and other eligibles to mark February 14 on their calendars.

Sandians Enter Military Service with Air Force, National Guard, Army

The following is a list of those who have terminated during the past six weeks and will be entering some branch of the armed forces:

Reporting with the New Mexico Air National Guard unit which was recently activated intact were Howell B. Lacy, 1531; Earl L. Holcomb, 1542; Daniel M. McKnight, Theodore H. Reed, Jack W. Reed, 1613; Victor John, 2121; John C. Evans, 2234; Bruce Gardner, 2334-1; Donald Schrader, 2235-1; Kenneth D. Smith, 2242; Stuart C. Breeding, Chester J. Krutcik, William L. Keiser, 2452; Leonard J. Goodell, 3111; Whitney B. Sullivan, 4132 and Gary Weber, 4242-1.

Avilio S. Aragon, 2415; Dale L. Peckum, Hollis B. Nicolds, 2411; Marion E. Scott, 2232 and Herman R. Perea, 2241 were inducted into the Army.

Enlistees in the Air Force were Philip D. Cilstrap, 2121; Jerry B. Monahan, 1251 and Kenneth L. Wiley, 4214. Navy men include Sidney Pike, 2331; Glen H. Lathrop, 2121-2 and Ivan N. Humble, 2133. Norman L. Keesling, 2223-1 went into the Marine corps.

Living stone is applied in sculpture to stone in its natural or original position as contrasted with marble or granite that has been quarried.

Instrument Society Meets Monday Night

The Albuquerque group of the Instrument Society of America will hold its next meeting Monday night, February 5, at the Coronado club. The executive group dinner will be held at 6:30 p. m. at the Club.

Guest speaker will be a representative of Beckman Instruments, Inc., of South Pasadena who will talk on Flame Spectro Photometry.

Everyone interested is invited to attend.

Sandia Players Prepare For April Production

Sandia Base Little Theatre's third production, "First Lady," is scheduled to start the first week in April.

The play, a comedy satire of Washington social and political life will be directed by M/Sgt. Harold Boger.

Purchasing Department Having Party Tonight

Employees of the Purchasing department are having a party tonight at the Coronado club from 8 to 12.

Music will be furnished for dancing by Hap Andrews and his orchestra and Charlie "Sug" Stack will be master of ceremonies for a floor show to be presented by the 2300 organization.



Bob Lemm, Reclamation department and Jack Otchis, a Los Angeles gem collector, are examining the "Queen of Queensland," a 227 carat black star sapphire valued at \$22,700. This beautiful gem was cut by Kazanjan brothers of Los Angeles who now own it. The "Queen" is about the third largest star sapphire ever found and is probably the most beautiful. It is a perfect stone with well-centered bright silver six pointed star on a dark stone having an appearance of brown satin velvet.

Bob is in charge of the lapidary hobby group here at Sandia.



Displaying the friendly smile that you receive when you enter the Employee Services office is Bill Kunetka, treasurer of the credit union and Bookkeeper Mary Jane Dean.

Credit Union Financial Statement for 1950 Shows Profit Enabling 5½ Per Cent Dividend

Four-hundred members of Sandia Laboratory Federal Credit Union will receive \$985 in a 5½ per cent dividend for the year 1950. Shareholders authorized the dividend at a meeting Wednesday, January 31.

Virgil Harris, president of the Credit Union, made available the annual statement showing a net profit for the year of \$1,683. Profits not paid out in dividends go into a reserve for bad debts and operating capital, he points out.

However, the Credit Union has not suffered a loss through bad debts since it was formed in 1948. Since its founding the Credit Union has made 517 individual loans totaling \$79,891.84. During 1950 there were 328 loans authorized for a total of \$52,173.70.

A five per cent dividend was paid in January 1950, for the year 1949, and at the recommendation of the board of directors the dividend was increased to 5½ per cent for the past year.

The statement indicating the condition of the Credit Union December 31, 1950, lists liabilities of \$31,236. This is broken down as follows: Shares, \$29,113; reserve \$591 and undivided profits of \$1,532. Interest from loans for the year was \$2,020.

On December 31 the Credit Union records showed \$25,684 in loans and \$5,552 in cash for total assets of \$31,236.

Directors for the year 1950 were: Virgil Harris, president; Hoyt Westcott, vice president; J. W. Kunetka, treasurer, and J. L. Rowe, D. L. Cochran, W. C. Kraft

and A. P. Gruer.

Supervisory committee members were Martin Grothe, chairman; B. J. Myer, and Norman J. Renaud. Members of the credit committee for 1950 were chairman Joe L. Hickey, B. C. Coffee, and H. M. Willis.

Information concerning the Credit Union may be obtained from Mr. Kunetka at the Employee Services office, Bldg. T-301.

MOVIES

Friday, February 2 — "Call Me Mister" (Tech) Betty Grable, Dan Dailey, Hugh Marlowe. Universal Newsreel.

Saturday, February 3 — "Pride of Maryland" Stanley Clements, Peggy Stewart. "Double Deal" Richard Denning, Marie Windsor.

Application blanks for 1951 New Mexico license plates are available in the Employee Services office, Bldg. T-301. Plates must be purchased at the County Court house, 4th and Tijeras.

The term "midshipman" originated in the British Navy more than two centuries ago when young men who were going through a course of training to become officers were assigned quarters amidships on the lower deck.

The face, according to the most generally accepted theory, came to be called the mug from the fact that in the eighteenth century drinking mugs were commonly made to represent grotesque human faces.

Newberry's Sketches Of Cats to Be Shown At Coronado Club

An exhibition of Clare Turlay Newberry's sketches of cats, which have won her national fame, will be shown at the Coronado club starting February 4, Mrs. D. W. Gere, Sandia Art League publicity chairman, has announced.

Miss Newberry, wife of Henry V. Trujillo of Santa Fe, began sketching kittens at the age of two and is also a writer of children's books, her first being, "Herbert the Lion", a best seller which contained some of her cat pictures. She is presently working on a sequel to her book, "T-Bone the Baby Sitter", which relates the adventures of her cat, T-Bone and her small daughter Felicia Noel Trujillo.

More than a dozen books have been written by Miss Newberry. She attributes her desire for painting and writing about cats to the beauty in every motion of the animal and the fact that the cat has a personality all its own.

The exhibition is being sponsored by the Art League and will be shown for a two-week period.

Square Dancers Move To Mountains Saturday

Square dancing in the mountains will be the next get-together for the Coronado Square Dance club. The party will be held at the YWCA mountain camp tomorrow night from 8 to 12 o'clock.

Door prizes will be awarded and admission will be \$1 per couple. Coffee and donuts will be served.

Reservations should be made to either Bob Dill, chairman, ext. 3254; Phil Dailey, ext. 7117; Doc Rehbeck, ext. 2-4157, or Hy Dancy, ext. 3254. Don't delay as the cabin will accommodate only 30 couples.

Those planning to attend should meet in front of the Coronado club at 7:30 p. m. and the group will go up together. The last party held at the cabin December 8 was reported as a big success, so join in the fun and square dance by a roaring fire in the fireplace.

Naval Reservists Enter Volunteer Unit

A Naval reserve unit manned by Sandia Corporation employees was commissioned Tuesday, January 30. Lt. (j.g.) Murray L. Black of the Eighth Naval District swore in the members of the Volunteer Ordnance unit.

Heading the unit is Lt. Cmdr. E. L. Cheeseman. Lt. Cmdr. E. A. Turner is executive officer; Lt. W. M. Smalley is the training officer, and Lt. Cmdr. C. D. Read is the personnel officer.

Ceremonies and issuance of orders for the commissioning program were held at the Naval Reserve Training Center in Albuquerque. The purpose of the reserve unit, according to Lt. Cmdr. Cheeseman, is to improve reservists' background knowledge and ability in the field of special weapons.

Corporation and AEC Families Invited to Hear Security Lectures

Families of Sandia Corporation and AEC employees are invited to attend a special program covering security matters of general interest, to be held at the Coronado club at 8 p. m. Monday, February 12.

The program will be similar to those held last October and will include short talks by officials of the Army, AEC and Sandia Corporation. A feature of the program will be an interesting historical film, "A Tale of Two Cities."

The two previous meetings were attended by a large number of Base residents and it is hoped that families of employees living off the base will turn out for this meeting. The talks will include a short history of Sandia Base and a discussion of espionage techniques and the possibility of security leaks at atomic energy installations.

Security is our first line of defense. Be prepared to do your part. Come to the meeting at the Coronado club at 8 p. m. February 12.

BIRTHS

Daughters were born recently to Mr. and Mrs. William Kimball, Mr. and Mrs. Joe Montoya, Mr. and Mrs. Leonard R. Nelson, and Mr. and Mrs. Earl "Bud" Hokum. Bill and Joe are in the Expediting and Traffic department and Leonard is with Production Control. Prior to being called with the New Mexico Air National Guard unit, Bud was in the Storage Control department.

A son was born in January to Mr. and Mrs. Cecil Russell. Cecil is in Quality Assurance.

The first annual engineer's ball, which was held at the El Fidel Hotel January 20 has been reported as a complete success. The ball was sponsored by eight of the American engineering societies and indications are that the ball may become a highlight in Albuquerque each year.



Join Payroll Savings NOW!

Sandians Provide Leadership for Boys in Albuquerque Civil Air Patrol Squadron

Six Sandia Corporation employees are spending much of their spare time these days staffing the Albuquerque squadron of the Civil Air Patrol. The CAP is a project in character building for young men, Captain Jack D. Fullerton, commanding officer of the unit, points out, and it is also another cog in the civil defense organization of the country.

The squadron now has about 90 cadets, 15 of whom are sons of Sandia Corporation employees. By



Fullerton

Perry



Carmody

Porter



Muzzey

the end of the summer it is hoped there will be 300 cadets in the Albuquerque squadron. These young men, ranging in age from 15 to 18 years are being trained in citizenship, military courtesy, discipline, military drill, radio, navigation, meteorology, and the principles of flight. There is no actual flight training involved in the program but each cadet is authorized an airplane ride.

Sandians providing the leadership for the group, in addition to Captain Fullerton, are: Lt. A. H. Perry, adjutant; Lt. Merrill T. Muzzey, training officer; Lt. Glenn Schaeffer, engineering officer; Major H. C. Carmody, ORC, code instructor and Lt. J. H. Porter, navigation instructor.

The Civil Air Patrol is a function of the United States Army Air Corps and is commanded by Major General Lucas V. Beau.

Cadets in the group are entitled to two weeks summer encampment with the Air Corps and may be eligible for a visit to similar air groups in one of 11 foreign countries. Other rewards for the cadets include trips to Washington where CAP national headquarters is visited and participation in the na-

INCOME TAX DEADLINES NEAR

If you've noticed a look of despair on the faces of many Sandians lately, it is probably due to the fact that there are just six weeks left before that fateful day, March 15, when U. S. Income Tax Returns for 1950 are due.

Those who had an income of \$600 or more during the year are obliged to file a Federal income tax return, attaching Withholding Statements of Wages (W-2 Form). The Payroll section has mailed W-2 Forms to all employees at their addresses and anyone who has not received a statement should call the Payroll office.

In many cases all that one need do is fill out Form 1040A, attach the W-2 Form and mail it to the Collector of Internal Revenue. The tax due or refund will be computed by the collector. If you use Short-Form 1040, you must find your own tax. If your non-business deductions are more than 10 per cent of your income, you will ordinarily save money by itemizing your deductions on Long-Form 1040 and then you figure your tax according to the computation on page three of the form. If your income was \$5,000 or more, you must use the Long-Form 1040.

The three types of returns are available in Bldg. T-301, Employee Services office.

Every resident individual in the state whose gross income for the full calendar year from all sources amounts to \$1,500 or more if single, or combined income of \$2,500 or more is married and living with husband or wife, is required to file a State of New Mexico Resident Income Tax Return (Form 101-A) prior to April 15, 1951. Non-residents who have income arising within the state either the full year or portion of the year use a separate Form 151-A. These forms are also available in the Employee Services office.

Special Modulation Circuits will be the subject of Lt. L. W. Rook's speech at the February 12 meeting of the Radio club. The meeting will be held in their regular meeting place.

tional drill competition.

There is an active chaplain program in the local CAP group and Rev. J. M. Beckett of Albuquerque is one of 105 chaplains working with the boys throughout the country.

At the present time the unit in Albuquerque is seeking senior personnel to help with the increased number of cadets authorized for the squadron. Senior members of the squadron cooperate with the Air Corps in mercy flights and searches for fallen aircraft in addition to leadership duties with the cadets.

Anyone interested in working with the Albuquerque wing of the Civil Air Patrol may contact Jack Fullerton, ext. 2-1236 or A. H. Perry, ext. 5137.

Floral Arrangements To Be Theme of Next Garden Club Meeting

Floral arrangements will be the theme of the February 13 meeting of the Sandia Garden club when Mrs. Harry H. Hust of the Hust Flower Shop will be the guest speaker. The meeting will be held at 2 p. m. in the Officers' club.

Mrs. Hust attended the Colorado School of Floral Design and will demonstrate how to make traditional arrangements and line arrangements as well as others. She will also answer any questions pertaining to floral work.

Base women who are interested are urged to attend.

Toastmistress Club Installs Officers

Mrs. Virgil Harris was installed as president of the Turquoise Toastmistress club January 24 at the Coronado club. Other officers installed were Mrs. Curtis Biggs, vice-president; Mrs. Richard Richards, secretary; Mrs. W. E. Caldes, treasurer; Mrs. E. L. Deeter, club representative and Mrs. M. H. McMichael, alternate club representative.

The installation was held in conjunction with the Oku-pin Toastmistress club of Albuquerque.

Freddie, manager of the newsstand in the Administration Building, has announced that his business will remain open every Saturday from 7:15 a. m. to 5 p. m.

CLASSIFIED SECTION

Classified advertisements to be published in THE BULLETIN must be received in writing in the BULLETIN office at least one week prior to publication date. Classified advertisements cannot be taken over the telephone. Include your name and your Base extension number.

For Sale

MAHOGANY MUSIC CABINET with shelves for sheet music and space for records. Custom made. Excellent condition. \$50 or best offer. Would also make silver chest or child's wardrobe. Mrs. Clore, ext. 7195.

OSCILLOSCOPE, Eico, model 425, push-pull, 5"; Volt-ohm meter, Eico, model 221, vacuum tube. Ralph Hendrix, ext. 2-5117 or Alb. 2-9937.

WESTERN Holly gas range, excellent condition, 4 burners divided by griddle, used one year, reasonable. Ext. 7194, A. R. Miles.

WRINGER type washing machine, full-size capacity, good condition, \$30. Albert Goodman, ext. 2-2147.

MAHOGANY twin beds, complete, \$50; Bendix Automatic deluxe washing machine, \$125; 1948 Crosley station wagon, heater, 1951 license, \$450. Call E. W. Feirce, ext. 7184.

1937 CHEVROLET, town sedan, dependable transportation, radio and heater, \$175. Call D. H. Dierks, ext. 6111.

ANTIQUES in excellent condition: Maple rocker, mahogany sherraton mirror, mahogany sherraton drop leaf table, and early American mahogany dresser. Other items: Remington portable typewriter, mahogany music cabinet, small pine dresser, felt covered card tables, three mahogany end tables, two floor lamps, and mahogany piano stool w-back. Call Marga Clore, ext. 7195.

1942 CHEVROLET club coupe, almost new tires, heater, in good all around condition, \$495. Will take trade in. Phone C. M. Dixon, ext. 2-4240.

1947 HUDSON Commodore six, for sale or trade, make offer, 4-door sedan in perfect condition. C. M. Dixon, ext. 2-4240.

SERVEL Gas Refrigerator, 8 cu. foot, mechanically new, price — \$85. Call W. H. Pagenkopf, ext. 4275.

1948 CHEVROLET convertible coupe, brand new 1951 motor. This car is perfect. Terms or trade. Call Bill Kraft, ext. 3276.

BEAUTIFUL Moose ring. See Pat Sesler, Security Guard Section, ext. 2-3149.

LINCOLN sedan, 1950, Hydra-matic drive, phone Gerald Cobb, ext 2-1248 or Alb. 5-4812 or 2-2414.

PLYMOUTH Suburban, heater and new tires, good as new. Neal Carpenter, Dept. 2122, ext. 2-4238, or see at 7715 Sky Court Road.

PACKARD Deluxe, 1949, 135 h. p., 2 door, radio, heater, and overdrive, extra good condition, \$1,550. Call John Schmidt ext 2-4248 or residence phone 5-4958 after 5:30 p. m.

WRINGER type washing machine with drain pump, 21 gal., porcelainized steel tub. Excellent condition, Oliver L. Bashor, ext. 3187, 3226 — Q 34th.

Special Notice

DOGS BOARDED by day or week. Leave your dogs in our pens while on your vacation or week-end excursion. Call E. S. Holman, ext. 2-2215 or Alb. 5-6568 or visit at 401 N. Wyoming St. (across from new Armory).

Lost

TIE CLASP with Fourth Degree Knights of Columbus emblem. Please contact J. J. 'Mike' Michnovicz, ext. 7144.

Wanted to Buy

BEST small car \$500 cash will buy. Call W. D. Smitha, ext. 2-5136 or 2-1186.

LARGE, blonde mahogany radio-phon console, cabinet only. Call Harry A. Weber, ext. 2-5143, during working hours.

For Trade

SMITH & WESSON K22 revolver, brand new in factory box, trade for Mod. 70 Winchester rifle. Call W. O. Smitha, ext. 2-5136 or 2-1186.

For Rent

THREE-ROOM house, furnished, five minute drive from tech area, with or without utilities, children welcome. See Inspector Sesler, Corporation security guard, ext. 2-3149.

Riders Wanted

TWO RIDERS from Bellemah addition directly north of the fairgrounds — vicinity of Roosevelt avenue and North San Pedro drive, North Alvarado drive, etc., Albert Goodman, ext. 2-2147.

EAST COAL and out Ridgecrest. Call D. Salazar, ext. 2-3135.

Ride Wanted

415 S. VASSAR, Marianne Humphrey, ext. 2-5249.

2700 E. COAL to and from the Base. Frank Foss, Bldg. 813, phone 2-1248 or Alb. 2-1145. Working hours 8 to 5.

2745 N. MADISON — Bel Air — Theresa M. Montoya, ext. 2745.

5600 W. 4TH, Ann E. Padilla. Call Josie G. Manuel, ext. 7224.

SOUTH SECOND, past KGGM tower in Rosemoor subdivision, Barbara Senseney, ext. 2-5240.

2125 N. ALVARADO or vicinity of San Mateo. Call Sophia Wade, ext. 2-1216.

415 SCHULTE STREET, vicinity of 6700 block North Fourth. Call James A. Perry, ext. 2-3132.

2941 N. JACKSON, Bel Air, Mary Ladanye, ext. 2-4135.

3305 HASTINGS drive or vicinity Mackland dr. area. Full time ride or share. Call Don Weldon, ext. 2-1246.



... and furthermore, the penalty is the supreme sacrifice, no typewriter eraser for three weeks.

House of David Team Plays Bombers Tonight

The Israelite House of David professional basketball team will play the Sandia Bombers at 8 tonight in the Base gym.

The House of David team, a top pro attraction throughout the country recently faced such power as the Harlem Globe Trotters and the Harlem Aces.

If tickets are still available, they may be obtained from the Army Special Services office. Admission is 60 cents.

Women's Club Planning Sports Activity Groups

Women golfers, bowlers and skeet shooters are invited to contact Mrs. S. G. Porterfield, Sandia Women's club president, if they are interested in joining an active women's group in one of these sports. The skeet shooting activities are to be under the direction of Major Raymond Bradley, one of the outstanding skeetsmen of Sandia Base.

The club has also announced a bridge luncheon for February 15 which is to be held in the officers' mess.

Engineers Champs of First Round in Sandia Corporation Tournament

The basketball team for the Engineers, 1210, defeated the Motor Pool team, 2417, in a clean, hard fought scrap in the first round of the championship playoff of the Sandia Corporation tournament.

Val Black sparked 1210 to a good start and Bob Black and Lee Schulz tallied with timely field goals to keep their team in the lead. The 1210 team led all the way, but 2417 came within 2 points of tying the score in the third quarter. Monroe, Chavez and Winters were the sparkplugs for the losing team.

By winning this game, 1210 became first round champs in the Sandia Corporation Basketball league.

Corporation Cagers Win First Victory

The Corporation's City League entry racked up victory number one in second round city play by downing the Cooks Sporting Goods quintet by a score of 31-21.

Brandenburg and Hinson were the big guns in the Corporation attack getting 11 points apiece. Paul House played a bang-up game at center and his control of the boards contributed greatly to his teams victory. He also scored 5 points.

Missing Any Article? Maybe It's Been Found

Have you lost anything lately — maybe an elephant or a bobby pin? The Lost and Found section of the Employee Services office might have that little article that you've misplaced.

Unclaimed to date are a green and brown bandana, sunglasses, a rosary, a coin purse, a baby bonnet and keys, keys and more keys.

Forget about hiring a Sam Spade; stop in Bldg. T-301 and see if they've found what you've lost.

Football League

TEAM STANDING		
Team	Won	Lost
1. Red Skins	54	18
2. Packers	45	27
3. Forty Niners	41	31
4. Rams	40	32
5. Cardinals	33	35
6. Colts	25	43
7. Eagles	23	49
8. Dons	23	49

Team and Individual
 High team, three games, Redskins, 2520.
 Second high team, three games, Forty-Niners, 2481.
 High team, one game, Redskins, 904.
 Second high team, one game, Eagles, 885.
 High individual, three games, C. H. Johnson, 626.
 Second high individual, three games, Eiffert, 618.
 High individual, one game, Eiffert, 268.
 Second high individual, one game, Heineken, 245.

Top 10 Averages
 Heineken, 178; C. H. Johnson, 175; D. Atkins, 166; Eiffert, 162; Parsons, 161; Sparger, 160; Brewster, 159; Reed, 157; Hepplewhite, 155; Wood, 155; Rehbeck, 154; Spohr, 154; Mahoney, 154.

Insect League

TEAM STANDING		
Team	Won	Lost
1. Scorpions	50	22
2. Centipedes	46	26
3. Roaches	38	34
4. Black Widows	37	35
5. Lady Bugs	37	35
6. Fireflies	36	36
7. Beetles	27	45
8. Hornets	17	55

Team and Individual
 High team, three games, Centipedes, 2096.
 Second high team, three games, Fireflies, 2066.
 High team, one game, Centipedes, 745.
 Second high team, one game, Fireflies, 743.
 High individual, three games, E. Fauerboch, 537.
 Second high individual, three games, J. Partch, 519.
 High individual, one game, J. Partch, 202.
 Second high individual, one game, P. Fink, 199; J. Partch, 199 and E. Fauerboch, 199.

Top 10 Averages
 P. Fink, 146; E. Fauerboch, 143; J. Partch, 141; V. Schultz, 140; S. Brown, 139; J. Drake, 137; H. Brewster, 135; G. Hahn, 134; M. Dixon, 133; B. Walters, 132.

Major League

TEAM STANDING		
Team	Won	Lost
1. Browns	45	15
2. Red Sox	40	24
3. White Sox	33	27
4. Tigers	28	32
5. Senators	27	37
6. Indians	26	30
7. Athletics	24	40

Team and Individual
 High team three games, Indians, 2593.
 Second high team, three games, Browns, 2495.
 High team, one game, Red Sox, 913.
 Second high team, one game, Browns, 906.
 High individual, one game, Rowe, 246.
 Second high individual, one game, Hoge, 237.

Top 10 Averages
 Rowe, 178; Fink, 172; Nogle, 170; Gasta, 167; Palmer, 167; Rice, 166; Pagenkopf, 165; Brown, 163; Saylor, 162; Sylvestre, 159; Anderson, 158.

Indian League

TEAM STANDING		
Team	Won	Lost
1. Mohawks	43	17
2. Zuni	39	21
3. Potawatomi	38	22
4. Crees	34	26
5. Navajo	30	30
6. Apaches	23	37
7. Hopi	22	38
8. Comanches	12	48

Individual and Team
 High team, three games, Hopi, 2636.
 Second high team, three games, Crees, 2519.
 High team, one game, Mohawk, 938.
 Second high team, one game, Hopi, 920.
 High individual, three games, Culley, 604.
 Second high individual, three games, Duffield, 595.
 High individual, one game, Culley, 275.
 Second high individual, one game, Duggin, 229.

Top 10 Averages
 Duffield, 174; Whitney, 168; Mills, 168; Nogle, 163; Northrup, 162; Spriggs, 162; Gasta, 161; Horne, 161; Gray, 159; Schaan, 159; Hassebroek, 159; Leonard, 159; Showers, 159; Baumgartner, 159; Ortiz, 158; Redburn, 158; Parsons, 157; Deutsche, 156; Palmer, 156; Henplewhite, 156; Priore, 156; Yambor, 155.

Maine is the only state in the Union that adjoins only one other state.

1210		2417	
V. Black	13	C. Monroe	10
B. Black	12	C. Chavez	9
L. Schulz	10	I. Winters	6
C. Clyde	2	B. Hienichen	4
L. Gutierrez	1	S. Tabet	2
Final Score	38	Final Score	31
Half time score	22	Half time score	12
Total No. of Fouls	7	Total No. of Fouls	10

SUBSTITUTES
 1210—F. Kroll, M. Craig, L. Dasso, N. Garcia, O. Basher.
 2417—H. Gutierrez, T. Adler, E. Alford, H. Dubois, R. Rivera, R. Baca.



Here are the champions of the first round of the Sandia Corporation basketball tournament. Members of the Engineers basketball team are, front row: F. Kroll, L. Gutierrez, O. Basher, L. Schulz; second row: C. Clyde, R. Black, V. Black, M. Craig and L. Dasso.

SANDIA BULLETIN

Vol. 3, No. 4

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

FEBRUARY 16, 1951

IT'S LATER THAN YOU THINK — LOOK TO THE FUTURE

HOW OLD ARE YOU?

Most of us today look forward to the time when we can enjoy a life of leisure and fish, hunt, play golf, pursue our hobbies or just plain loaf without setting forth each work-day morning to scratch for a livelihood. Years ago it wasn't unusual for a man to continue to work far past his prime and many died in the harness as a result. In recent years our thinking has changed and we now believe that a man who has worked steadily throughout his middle life deserves a permanent vacation at a reasonable age.

Unfortunately there is no magic formula whereby one may provide for an income once the paychecks cease. The only answer is careful planning and current investment by the individual. Our government recognized the need for such a plan and established the Social Security Act of 1936. However, the old age benefits provided through Social Security will scarcely meet the cost of necessities. These benefits must be supplemented by a plan of your own.

Recognizing this fact, on June 1, 1950, the Sandia Corporation established a Retirement Plan whereby any employee who has had one year of continuous employment with the Corporation, including service with the Atomic Energy Commission or its contractors, may participate and share in the benefits. This plan is underwritten by the Prudential Insurance Company and all funds are deposited with them. Each month the Corporation deposits the employee contributions and the Corporation contribution with Prudential. The employer's share is approximately twice that of the employees'.

The normal retirement age, as in most plans, is 65. This does not mean, of course, that one must retire at 65. How much will you receive as an annuity at that time? Let's say you are 25 years of age and you estimate that your average annual salary during the years of employment until age 65 will be \$4,000.

Your average contribution for each year will be:

3% x \$3,000	= \$90
6% x 1,000 (4,000-3,000)	= 60
Annual Contribution	\$150

At age 65 you will have made contributions for 40 years and your total contributions will be:

$$40 \times \$150 = \$6,000$$

Upon retirement at age 65, each year you will receive an annuity

equal to one-third of your total contributions.

$$1/3 \text{ of } \$6,000 = \$2,000$$

This means that each month you will receive a check from Prudential in the amount of \$166.67, as long as you live.

Some of the features of this plan are as follows:

1. After retirement and upon your death, your beneficiary will receive a minimum of one year's annuity as a death payment.

2. You may designate any beneficiary you wish—an individual, your estate, an institution, an organization, etc., and you may choose one of several methods of payment.

3. The percentage method of contribution, 3% on the first \$3,000 of annual salary and 6% on all over \$3,000, automatically adjusts your contributions to meet changes in salary.

4. The plan and all of its accrued benefits may be transferred to any company which might assume the operation of the facilities now operated by the Sandia Corporation.

5. **You Cannot Lose.** No matter what action you take, or what circumstances may arise, the minimum payment to you will equal the amount of your contributions plus interest.

Further information concerning your retirement plan may be obtained from Mr. C. W. Campbell, 3120, Building 301, Extension 21252.

Bulletin Deadlines More Important

With this issue the Sandia Bulletin begins regular publication by letterpress, instead of photo-offset. Printing is being done by a commercial firm in downtown Albuquerque.

Because of the time required to prepare material for publication a news deadline of 5 p.m. Friday, the week preceding publication, has been set. The Bulletin will be published every other Friday.

The Bulletin is published by and for employees of Sandia Corporation. Every effort will be made to publish a newsy and interesting paper, reflecting as nearly as possible the activities and interests of all employees, including employees of the AEC at Sandia. To this end the suggestions and contributions of readers are welcomed.

A staff of contributors from the various organizations is being organized, and photographic coverage will be as broad as time and security permit.

Ruth Day Recalled By Organized Reserve

The first woman of Sandia Corporation to be recalled to military service is Ruth Day, formerly of Production Control Department, 2722-1. Ruth, now Pfc. Day in the



Ruth Day

WAC, was in the Organized Reserve Corps. She has been employed by the Corporation since October, 1950.

While in service from March 1949 to May 1950, Ruth was stationed at Ft. Lee, Va., where she attended leadership school and was honor student of her class. She was then stationed at Ft. Meade, Md., and received several letters of commendation on her workmanship.

Ruth reported to Ft. Sam Houston, Tex., last week and has her fingers crossed that she will get a transfer to Sandia Base as her husband, Cpl. Willie Day, is here with the 8458th Military Police Unit.

Toastmasters Entertain Ladies Thursday Night

Ladies' night was observed at the Sandia Toastmasters Club meeting last night when four of the top toastmasters competed in a runoff contest to determine the Club's champion speaker. Those speaking in the runoff were Nate Wineberg, Lee Deeter, William Bramlett and Virgil Harris. Ray Thome, one of the contestants, was not able to participate. The results of the contest were not obtained in time to be included in this issue.

The meeting was held at the Officers' Club, and Ted Sherwin was toastmaster of the evening with E. H. Draper as totemaster.

Brig. Gen. Leland S. Stranathan New Commanding General of Sandia Base

Brig. Gen. Leland S. Stranathan, former deputy chief of the Armed Forces Special Weapons Project in Washington, D.C., arrived in Albuquerque this week and will assume command of Sandia Base February 19.

General Stranathan succeeds Maj. Gen. Robert M. Montague, who was transferred this month to a new assignment in the European Command.

Born in Glenwood, Ia., June 28, 1904, General Stranathan was graduated from the University of Southern California with a bachelor of arts degree in 1926. The general entered military service as a flying cadet in October, 1927, and has been in military service ever since. He was commissioned a second lieutenant in the regular army in February, 1927.

Air Force bases at which he has served include Langley Field, Va.; Bolling Field, Va.; Randolph Field, Tex.; and Maxwell Field, Ala. His pre-war foreign service was in the Hawaiian Islands.

During the war, General Stranathan commanded the Advanced Flying School, Blytheville, Ark.; Gunnery School, Tyndall Field, Fla.; Gunnery School, Laredo Army Air Base, Tex., and was Chief of Staff of the 315th Bomb Wing on Guam when the war ended.

Later he served as commander of the 315th Bomb Wing, and in 1946 was transferred to Japan where he served as A-3 of the Fifth Air Force. Later in 1946 General Stranathan went to Korea to command the 308th Bomb Wing. He remained in Korea until June 1947 when he returned to the United States to attend the National War College.

After approximately six months duty with the Air Staff as deputy director of training and requirements he was assigned to the Armed Forces Special Weapons Project in Washington, D.C. In addition to several flying schools, General Stranathan attended the Air Corps Tactical School in 1940 and the National War College in 1947 and 1948.

The general is rated as a command pilot with 7,000 flying hours and is also rated as an aerial observer.

Among the decorations General Stranathan has received are: The Legion of Merit with one Oak Leaf Cluster, Air Medal, Distinguished Flying Cross, European Theatre of Operations Ribbon, American Campaign Medal, World War II Victory Medal, American Defense Medal,



Armed Forces photo.

Brig. Gen. Leland S. Stranathan

Japan Occupation Medal, Asiatic-Pacific Theatre Ribbon, and Distinguished Unit Citation.

Savings Bonds Popular

Several hundred Savings Bond payroll deduction authorization cards have been turned in to the Financial Division during the past month, according to a tally made this week. Additional cards are expected as the popularity of the Payroll Savings plan grows and employees realize how simple and convenient it is to save the Savings Bond way.

Payroll deduction authorization cards and leaflets describing the plan have been distributed to all supervisors. Additional forms and information may be obtained from the Employee Services Department, Building 301.

Almost any amount may be set aside each pay period, and when enough money has accrued the Financial Division will have a bond issued and mailed to the employee's home address.

In the current national emergency the support of all Americans is being requested by the government, and one of the best ways to help is through the regular purchase of U. S. Savings Bonds.

No one was ever sorry he saved, and your money is 100 per cent safe when you use the Payroll Savings Plan. Remember that if your Bonds are lost or stolen they will be replaced without charge. And Bonds held until maturity pay four dollars for every three dollars invested.

Now, let's all buy Bonds!

HANDS AND FINGERS ARE MOST LIKELY TO BE INJURED . . .

So Be Careful

Work accidents most often involve fingers and hands, the National Safety Council reports.

Figures compiled by the Council indicate that fingers and thumbs sustain about 350,000 disabling injuries each year and hands receive about 170,000 disabling injuries yearly. The Council further reports that the hand-finger-thumb injuries are most often sustained while handling things or operating machinery.

It would be well for you to take a look at your hands and tell them something like this: "My friends, you help me earn a living, support a family, and prepare for the future, and I'm going to do right by you, keep you out of trouble, machinery and the hospital."

Having good luck isn't enough. Have good sense, too.



SANDIA BULLETIN

Friday, February 16, 1951

Published for the employees of
The Sandia Corporation
Albuquerque, New Mexico

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The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



Coronado Club Schedule February

(Clip this program and save it for a handy reference)

Saturday, Feb. 17—Square Dance, 8:30 p.m. to 11:30 p.m.
Sunday, Feb. 18—Buffet Dinner-Dance, Charlie Biesel & Orchestra, 5 to 9 p.m.
Tuesday, Feb. 20—Square Dance Instructions
Thursday, Feb. 22—Bridge Party, 25c per person, 7:30 p.m.
Friday, Feb. 23—Children's Party, Age 10 and under
Saturday, Feb. 24—Informal Dance, 9 to 1 a.m.
Wednesday, Feb. 28—Bingo, 8 p.m.

Health Hints

by Dr. Hirsch



Along about this time every year the attention of most of us is directed to the common cold, so it logically constitutes a proper topic for this week's column.

Symptoms of a Cold

Everyone has had a cold and most people are quite familiar with the symptoms. The common cold is characterized by (1) generalized aching, chilliness and a loss of sense of well-being; (2) slight fever in some victims at the onset of a cold; (3) dryness and discomfort of the tissues of the nose, throat and upper air passages; (4) the disease usually does not last more than five or seven days but fatigue, rawness of the nose or throat, or a dry cough may persist for days or weeks (there is usually no redness of the throat in the early stages); (5) a tendency to develop complications such as sinusitis, bronchitis and ear trouble resulting from secondary bacterial infection.

Colds begin their season in September and persist to a varying degree throughout the population during the cold months of the year. They produce annoying symptoms but fortunately they are not serious in themselves in that no one has been known to die from a cold itself.

Prevention of the Common Cold

At this stage of knowledge it would appear that careful attention to general health, directed toward improving bodily resistance to infection, is the only opportunity available to us in reducing the discomfort from this common ailment. Proper rest, the right kind and amount of food in the daily diet, appropriate clothes for the weather and careful attention to general body hygiene is important in developing resistance to infection. The correction of body defects which predispose to respiratory infections and complications is also important. Since colds appear to be spread by droplet infection, avoid "cold" contacts. If you have a cold, keep it to yourself.

Treatment of a Cold

One of the common misconceptions about treatment of a cold is concerned with the use of "a shot of penicillin" to "break up a cold." Every day, I have people coming in



New employees of Sandia Corporation are pictured here in the process of signing in before starting work on their new jobs. This process, which takes place in the Employment and Personnel Department office, is familiar to all employees.

Standing at the first table are Dorothy Schmid and Gertrude Butler, Employment and Personnel Department, 3150; seated around the table from Dorothy's left are: Betty Taylor, Reclamation Department, 2250; Evelyn Forster, Expediting and Traffic Department, 2230; Inez Carlborn, Cost and Accounting Department, 4130; Jane Miller, Development Personnel and Secretarial Service Department, 4220; Mildred Brumley, Employee Services and Health and Safety Department, 3120; Mary Armbrust, Wage Administration Department, 3230.

Seated around middle table, from extreme left, James Deakin, Plant Security Department, 2450; William Baker, Auxiliaries Department, 1230, and Harold Chaffee, Cost and Accounting Department, 4130.

Seated around the table on the right are Candido Mieras, Reclamation Department, 2250; Malcolm Hamm, Production Engineering Department, 2110; Piffie Chavez, Assembly Department, 2230, and Charles Fletcher, Reclamation Department, 2250.

to see me for that purpose. I imagine I am getting a reputation for being a skiffint, since I refuse in almost every instance. I do so for the very good reason that more harm than good results from the indiscriminate use of penicillin. It has been definitely established that the germs responsible for the common cold are not killed by penicillin; therefore, it has no rational use for this purpose. In addition, people very frequently become sensitized to the drug. When this happens they break out in hives, develop asthma, and may even die in shock upon administration. The increased number of people sensitive to penicillin, that we medical men are encountering, is due to the widespread and indiscriminate use of it. Simple common sense, then, dictates that it is smart to keep oneself from becoming sensitive to penicillin by not getting a "shot" every time this, that, or the other happens; thus, insuring that if and when the time comes where penicillin is all that stands between a cure and an unfortunate end to a disease, it can be safely administered.

The second area of confusion concerns the value of the "antihistamines" in treating the common cold. There are times that an occasional person does get benefit from taking these drugs during the early stages of a common cold. Many, many more do not, however. There are a great many people who respond to these drugs by manifesting somnolence, or sometimes nervousness. They are certainly no "cure all", but if you happen to be one of the few who gets good results, take them and consider yourself lucky.

"Cold shots" are much the same as antihistamines. They either work well or don't work at all. For people who are unusually susceptible to colds they are probably worth a try, but don't expect too much.

It all boils down to the fact that there is nothing yet which will effectively abort or cure the common cold. If you get one and come to see me, I'll make it easier to get along with the blasted thing, but I'll promise no more. Anyone who has observed me honking and snorting around the place for the past week will understand what I mean!

"First Lady" Cast Starts Rehearsals

Rehearsals are underway for the Sandia Base Little Theatre's up-and-coming production of "First Lady" which is being directed by M/Sgt. Harold Boger.

The play, a comedy satire of the social life of Washington, D.C., is scheduled for presentation in April. Nonnie Ogden and Nancy Schneider are cast as the competing hostesses who strive for the title of "First Lady" in the nation's capitol. Their respective stage husbands are Captain Gorden and Ralph Tuttle.

Executive director of the production is Col. Malcolm Stratton and Jack Bajart is stage manager.

Around the Departments

Lilly Gabaldon of Wage Administration Department, 3230, was honored at a "hen" party held at Sara Brown's home recently. Lilly has gone home to Gallup to work and the girls presented her with a gift from the whole 3230 gang. Mary "Georgie" Armbrust has taken Lilly's place.

A group of Production Engineering Department, 2110, personnel and their families are donning their heavy winter togs for a picnic in the Sandias on Washington's birthday.

Personnel in Document Department, 2460, regret to report that one of their editors, Anna Staats, is leaving for Glendale, Calif.

A welcome is extended in Document Department, 2460, to Dora Pacheco and Marcial Valdez. Dora is a native of Albuquerque and formerly worked in the County Treasurer's Office. Marcial at one time was a teacher at the Western School for Private Secretaries.

Irene Palmer, R.N., Medical Department, 3160, is recovering at her home here on the Base after a major operation. The Department reports that it will be some time before Irene will be able to return to her job.

The Medical Department, 3160, extends a welcome to Anabelle Master-son, a non-medical member of the staff, and Connie Frie, a technician. Connie is from New York City and is living in the dorm. Anabelle is an Albuquerque girl.

A little mouse in Area 2 reports that some of the men were disappointed that they had to take their checkups at the West Lab instead of in Dr. Hirsch's office. Reason: No Nancy.

Sam L. Johnson of Assembly Department, 2230, the great outdoor sportsman, is again enjoying a week's vacation in Aspen, Colo., and his fellow workers are wondering which knee he'll twist this time. Last year when Sam visited Aspen, a twisted knee put him on crutches for a while.

New homes and new cars are the talk in Assembly Department, 2230. H. W. Gentry is now located at 5906 El Prado on Rio Grande Blvd. in his new home. G. M. Austin will be moving to his new home near the Mile-Hi addition around the last of the month. J. H. Martin is now at home at 832 S. Cagua. B. L. Allen is going around town in his new pickup and 2230 personnel keep telling him it will be wonderful for picnics in the mountains this summer.

L. Barlow, inspector for Assembly Department, 2230, has the tough

luck story of the week. Barlow bought himself a new Mercury and he proceeded to his home out in Tijeras Canyon. As we all know, the roads were a little slippery for a couple of days and Barlow's new Mercury took an extra slide and went off the road. With just seven miles on the speedometer, Barlow found himself with a \$300 repair bill.

Mary Helen Sharkey, Assembly Department, 2230, was the proud winner of the \$65 door prize given at the Coronado Club bingo game. It happened to be pay day for Mary Helen, too, and she had a hard time convincing her husband when she got home that the \$65 was actually a prize—he had her count out her paycheck money.

Roy Hassebroek's daughter, Dorothy, has joined the WAVES. She left Tuesday, February 6, to be processed in Denver, Colo., and from there she will proceed to the Great Lakes Training Center. Roy is with Assembly Department, 2230.

E. J. Whitmore, Assembly Department, 2230, is going around with a big grin because E. J. Whitmore, Jr., a Pfc. in the Marine Corps, graduated from the U. S. Marines' Engineering School at Camp Lejeune, N.C. He will have a two-weeks stopover at home before he goes on to the West Coast.

Children's Party Is Scheduled This Month

Children under ten will be honored at a party Friday, February 23, at 7 p.m. in the Coronado Club. Miss Mary Marchionda, who is in charge of entertainment, announced that entertainment and refreshments would be provided, and it sounds like an evening of fun for the small fry.

Seven More Employees Go to Armed Forces

Corporation employees who have entered some branch of the service since January include:

Michael J. Sylvester, 2452, who was recalled by the Air National Guard; Peter J. Cook, 2143, recalled



Salazar

Schneider



Cook

Sylvester



Heineken

Treon

by the Navy; Francis H. Treon, III, 2452, recalled by the Army; Fred H. Schneider, 4212-2, recalled by the Air Force, and Ruth H. Day, 2222-1, recalled by the WAC.

Rudy Salazar, 4214, enlisted in the Air Force and William M. Heineken, 2461-3, joined the Marines.

Sandia Choristers Seek Recruits Who Like to Sing for the Fun in It

Sandia Choristers have added ten new singers to the group of men and women who sing for the fun of it every Monday evening at 8 p.m. in the ballroom of the Coronado Club. Additional singers, especially men, are invited to join during the two practice sessions remaining in February, according to Henry Harding, the Choristers' publicity director. High tenors and low basses are particularly needed to improve the voice-balance, he said.

The Choristers, made up of Sandia Base employees and members of their families, are under the direction of Craig Summers of Department 2222-2. Lt. Col. John Scroggs is president and accompanists are Major Alden Marvel and Louise Scroggs.

Florida has a longer coast line than any other state in the Union.



The Sandia Base Women's Club at their regular meeting February 1 presented Mrs. R. M. Montague with a monogrammed silver bud vase as a going-away gift. Past presidents of the club poured and the tea table centerpiece was a miniature of the Montague garden. Left to right are Mmes. H. E. Viney, A. N. Ayers, J. C. Nickerson, past presidents; R. M. Montague, honorary president; S. G. Porterfield, president, and E. G. Miller, past president.

SON OF EMPLOYEE HAS BEEN FIGHTING WAR FROM INSIDE TANK FOR OVER SEVEN MONTHS



Apolonio V. Armijo, Plant Maintenance Department, looks up from a photograph of his son, who is a member of a tank crew in Korea, and the smile tells us that everything is all right.

The war in Korea has a deep and personal significance for many employees of Sandia Corporation who have close friends or relatives in the Armed Forces. One such employee is Apolonio V. Armijo, Plant Maintenance Department, whose son reports the progress of the Korean conflict as he sees it from the turret of a rumbling tank.

The younger Armijo, who bears his father's given name, but who is called "Leo" by his buddies, has been in combat for the past seven months. Leo joined the army about two years ago after attending school in Santa Rosa, east of Albuquerque. He learned to run a tank in Texas and soon found himself in the middle of the war.

"Leo wanted to be a soldier ever since he was so high," his father says and puts his hand down to the level best described as "knee-high to a grasshopper." "We wanted him to go on to school, but he wanted to get into the army and drive a tank," his father continued.

Leo writes to his mother and father and sister, Mrs. Aneda Petti, who also works for Sandia Corporation, as often as his duties allow. "He's not the kind of boy who would tell us anything to worry us," his father relates, "but we know that he has had some exciting times."

Two pictures of his son are in Apolonio's billfold. One of them was taken when Leo was in training in Texas. "We remember him looking like this," his father says. "He was young, just out of school and had been a private only a short time. The other picture shows Leo wear-



Leo Armijo

ing stripes of a sergeant and wearing heavy clothing for action in Korea.

"We felt bad when we received this picture," Apolonio said. "He is no longer a boy; now he is a man and looks too old." In the letter which brought the picture to his parents, Leo said, "I know that I look mean, but I am now a sergeant and maybe I have to look that way." Leo reported in the same letter that he was well and warm, but working hard every day—and he told his mother and father not to worry, he was doing fine.

Apolonio says he will be glad when Leo is home again and he'd like to take him up to his ranch in the Pecos Valley to live. "But Leo wants to be a soldier," he repeated, "and so we'll see him only when he has leave."

Births

Glenn and Jackie Haughness are the proud parents of a 7 lb. 14 oz. daughter, Karen Rae, born January 30. Glenn is with the Inspection Department, 2240 and Jackie is a former employee of Quality Assurance Department, 1510.

Mr. and Mrs. Howard Aronson are the proud parents of an 8 pound boy born recently. Howard is with 2230, Assembly Department.

John Ranson of Assembly Department, 2230, has a new grandson.

U.S.S. preceding the names of vessels is the abbreviation of United States Ship.



It was mighty unusual, but there were a few chilly days for Sandia Corporation employees this winter. Sara Brown, Wage Administration, 3230, posed for this picture while studying the steam and machinery of a balky automobile. Albuquerque's cold snap was short lived and was but a small sample of that received elsewhere in the country, but we couldn't resist making use of this attractive photograph.

Cartoonist to Speak At Art League Meeting

Cecil Jensen, cartoonist and creator of "Little Debbie," comic strip, will be the guest speaker at the Sandia Base Art League at its next meeting March 1 at 8 p.m. in the Sandia Base Grade School auditorium.

Mr. Jensen, a resident of Albuquerque, has been editorial cartoonist for the Los Angeles Daily News and the Chicago Daily News. He originated "Little Debbie" three years ago while in Chicago, but says that the strip started out to be a

big city version of L'il Abner until Debbie got into the act and took over the strip. "Little Debbie" is published by the Des Moines Register and Tribune syndicate and appears in the Albuquerque Journal. Mr. Jensen says he has no time for hobbies as Debbie keeps him hopping. His strip for the dailies is done five weeks in advance and for the Sunday editions is done eight weeks in advance.

The Art League has extended an invitation to all who follow the adventures of "Little Debbie" to attend the meeting.

MEN BETTER EXERCISE CAUTION

In an attempt to settle the old argument of who carry the most paraphernalia on their persons, men or women, The Bulletin recently conducted an experiment using two employees of department 2110.

Pearl Hayes and C. B. "Blaze" Gangwer assisted in the project which, it was hoped, would determine if men are justified in their belief that women's pocketbooks are receptacles for greater quantities of personal possessions than men usually carry.

Blaze emptied his 10 pockets and Pearl turned her purse upside down and here is the result:

Pearl had Kleenex, compact, powder puff, candy bar, comb, six bobby pins, two tubes lipstick, lipstick brush, three theatre ticket stubs,

bottle hand lotion, three fountain pens, glasses, glasses case, cigarette case, billfold, shoe brush, package of gum, seven keys, and a key case.

Blaze produced the following from his pockets: billfold, notebook, two cigars, pipe, can of tobacco, package cigarettes, two books of matches, steel tape, three small wrenches, screw driver, two pencils, steel scale, package of sight savers, electric switch, three screws, three keys, an eraser and 99 cents in change.

The totals: Pearl's possessions totaled 35 and Blaze's 28. Pearl's bobby pins and keys spelled the difference.

Final analysis: The results were not conclusive, but males had better qualify all slighting remarks until further research produces more definite findings.



C. B. Gangwer and Pearl Hayes take inventory of pocket and purse possessions in an attempt to determine who carries the most personal articles, men or women. From this picture whom would you choose as winning the contest? Read the accompanying article and learn the results of this experiment.

Parents Asked to Keep Children Off Base Main Streets

An appeal to parents living in the AEC housing area on the Base to keep their youngsters off the through streets, especially at rush hours, was issued this week.

Regardless of all the precautions drivers may take there is still danger for the Sandia Base small fry.

Traffic control signs have been kept to a minimum in the housing area as a courtesy to motorists, who have demonstrated a willingness to observe the 15 miles per hour speed limit. The safety office and the Military Police are proud of the fact that no serious accidents involving pedestrians have occurred.

The opening of the new housing area west of Pennsylvania avenue has increased the traffic on that street, and the number of traffic citations has increased disproportionately, due to a tendency of drivers to exceed the speed limit on through streets, particularly Sandia drive and Pennsylvania avenue. The hazard for children increases as more streets are used, and the prospect of more stop signs is no more to the liking of the safety experts than to the drivers.

Adequate playground areas have been provided in the housing area, and there are numerous dead-end streets where the children would not be in danger. But parents should use stern measures to keep them from playing in or crossing the through streets, especially at rush hours.

Indians to Entertain Women's Club March 1

Sandia Base Women's Club will hold its next meeting March 1 at 1:15 p.m. in the Coronado Club, Mrs. E. G. Miller, club publicity director, has announced.

The program is to be presented by entertainers from the Albuquerque Indian School.

MOVIES

Friday, February 16—"Sugarfoot" (tech) Randolph Scott-Adele Jergens. Universal Newsreel and March of Time.

Saturday, February 17—"Blue Blood" (Cinecolor) Bill Williams-Jane Nigh. Variety Favorite and This Is America.

Notice

Items found and still waiting to be claimed in the Employees Service Office, Bldg. T-301, are:

A pair of heavy amber-hornrim glasses, a pair of Featherspec sunglasses, a brown and green bandana, and oodles and oodles of keys—luggage, car, etc.

"Captain Jinks" Dance Highlights Evening For Square Dancers

The "Captain Jinks" square dance called by Mrs. W. E. Rehbeck and Mrs. J. R. Piper was one of the high-lights of the Coronado Square Dance Group party held at the Coronado Club Saturday, February 3. The group was originally scheduled to meet at the YWCA mountain camp but the unusual snow conditions in the mountains made it impossible for cars to get to the cabin.

Bob Dill was chairman of the program and other members of his committee included Mr. and Mrs. Hy Dancy, Mr. and Mrs. Marion Tucker, Mr. and Mrs. John Dempsey and Mr. and Mrs. Carl Lindquist.

Mr. and Mrs. Bob Dill started the evening's festivities rolling with the Grand March. Callers in addition to Mrs. Rehbeck and Mrs. Piper were Doc Rehbeck, Luther Yost, Jack Merillat, Jim Jones, Ike Isaacson and Charlie Touchon. Prizes of concho belts were awarded to the ladies and the gents' prizes were silver western tie holders.

The grand prize of a beautiful bouquet of flowers was awarded to Mrs. Jim Jones. Coffee and doughnuts were served and the evening came to a close at 12:30. The next regular Square Dance will be tomorrow night at 8:30 at the Coronado Club.

Another Buffet Supper Announced for Sunday

Sunday night, February 18, is buffet supper night at the Coronado Club and those who have attended before need no reminder of how wonderful Chef Clifton LeVay's buffet can be.

The smorgasbord is served from 5 to 7:45 and dancing to the music of Charlie Biesel's orchestra starts at 5:30 p.m., continuing to 9:30 p.m.

Get on the band wagon. Buy Bonds and prepare for the future.

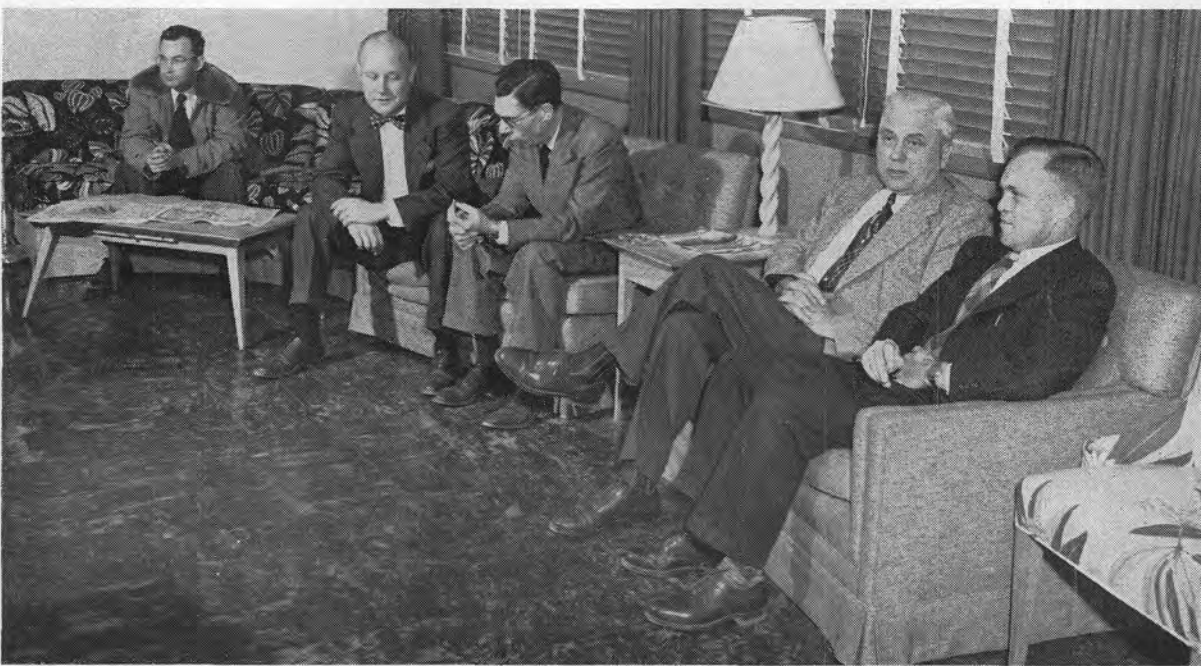
CORONADO CLUB FROM TWELVE TO ONE



Quartermaster employees working on Sandia Base find the Coronado Club cafeteria food mighty satisfying. Seven of them shown enjoying their noontime lunch are, left to right, Rosa Yrene, Sam Harwell, C. E. Cooper, Elizabeth Tallant, Helen Anderson, Carolyn Miers, and Jo Gay.



Entering the Coronado Club are Alice McGee, Expediting and Traffic Department, 2330; H. E. Anderson, Drafting and Standards Department, 1250, and E. L. Deeter, Auxiliaries Department, 1280. Patronage of the Club is heavy at noon due to the popularity of the food served in the cafeteria.



After lunch in the Coronado Club cafeteria there are plenty of comfortable chairs in which to relax. Seated in the entrance lounge, left to right, are Paul Leake, AEC, Los Alamos; E. W. Baldwin, Business Methods Department, 4230; J. P. Horan, AEC General Accounting Office; A. R. Malm, AEC Los Alamos; Ralph Cundell, AEC General Accounting Office.



Lunchtime at the Coronado Club finds families meeting for a short visit over their meal. Here Emilu Brett, Fiscal employee on Sandia Base, and her husband, Roy Brett, Sandia Corporation security guard, join with Security Guard Charles R. Farmer for their noon meal.



At opposite ends of the shuffleboard table in the Coronado Club are members of the Purchasing Department 2300. Left, J. E. McGovern and J. R. Adkins are pitted against Jack Ream and Jack Quirk on the right.



The basement recreation room of the Coronado Club is popular at the noon-hour, and here G. S. Mendenhall and C. L. Jackson, AEC employees from Los Alamos, pass a few minutes at the pool table.



Mr. and Mrs. Franklin Barnett look up from a study of their stamp collection in their Sandia Base apartment. The book in the foreground is opened to the page containing a set of Columbia Exposition commemorative stamps with a market value of \$675.

Sandia Teenagers Rate High in Albuquerque Basketball League

Sandia Base High School Basketball team defeated the Albuquerque Eight-Balls by a score of 46 to 36 in their last game of the season, January 31. The team is under the management of M/Sgt. Glenn W. Porter.

The Sandians first played in the high school church league where they came out in second position, raising them to the city recreation standing. Upon entering the church league, they took the place of a team which had lost two games and the Sandians were obliged to carry these two losses against them. In spite of the handicap, they won five straight games, taking second place.

In the district playoffs, the Sandia team won two games and lost the third game in the quarter finals in the high school league. From then on due to illnesses and the fact that their manager was on emergency leave, the Sandia Base high schoolers were defeated.

Team members include Larry Fornicola, Rommie Smith, Allan Gruer, Earl Gruer, Larry Pagenkopf, Erwin Thomson, Tommy Koy, Jeff Ameker, Jim Dempsey and Bill Dickinson.

The team and Sgt. Porter have expressed their sincere appreciation for the support given them by Father Kennedy, Mrs. D. B. Young and the members of the Sandia Base Women's club.



Francis C. Scott was the originator of New Mexico's best lie last year and here he has proof as former Judge Ben Osuna gives him his trophy — which depicts Scotty throwing a bull. Scotty is now warming up for the 1951 contest, but his plans are under wraps until March 15 when the yarn spinners again flex their imaginations.

Stamp Collector-Author-Poet and Wife Find Triple Hobby Fills Spare Hours

Thirty years as a stamp collector has not dimmed the enthusiasm of Franklin Barnett, a draftsman in Department 1120, for the hobby. After these years of gathering stamps, he estimates his collection of 1,300 varieties now has a collector's market value of over \$4,000. All of these stamps are what he calls "superb" United States issues. This means that each stamp is unused and it is perfect in printing and perforation.

Franklin has good help at home in his stamp collection work. His wife, Joan, who is also a Sandia Corporation employee, Department 3150, is interested in stamps and has become as enthusiastic as Frank. Help is needed, Frank reports, to keep a stamp collection in good shape. It takes careful shopping, purchasing and then proper care of the product after its arrival.

The stamp collecting experience has led Frank and Joan into the field of writing. They have become recognized as philatelic authorities and their articles have appeared in many periodicals including Scott's Monthly Stamp Journal, Western Stamp Collector, The American Philatelist, United States Envelope World and Stamps.

An article of Frank's published in the August, 1950, Western Stamp Collector, told of the origins of postal systems in the world. Much research work is indicated in the article which shows that as man's need to communicate with other men increased he developed the first postal system—and this was back in the days of ancient Rome.

Frank wrote and produced a series of radio programs concerning stamp collecting which were heard over an Albuquerque radio station. The program series was a presentation of the Albuquerque Philatelic Society, of which Frank is president this year, and included stamp stories, a quiz-type program, stamp games and allied topics.

Collecting and writing about stamps is just about a full-time hobby. Frank, however, finds time to knock out a few jingles which have also found a market. Several have appeared on Post-Scripts page of The Saturday Evening Post.

Among the bits of poetry which he has written through the years is one in which "Columbus Discovers Americans." Another is a ballad to "Skokie," another, written in 1933, entitled "Pool-Pool" tells the tale of "... a little Pool Hall, that will be the death of me."

Members of the Dog Obedience club are still looking for a building in which the members and their pets can meet, Mike Favia announced last week. He said that as soon as plans are made, the members will be notified.

Red tape in the sense of official inaction or delay originated in England in the nineteenth century and arose from the custom of tying official and legal documents in a tape of a pinkish red color.

The year 1816 is popularly known as the year without a summer because in the northern states there were frosts and snow in every month of the year.

German Band Music Takes Wind, Effort But Is Great Sport for Several Sandians

For hundreds of years musicians, who have come to be known as "hungry fives," have been playing the tune which goes with these words. A far cry from the old roving musician who was really hungry (they played for their food) is the group of musicians composed of Sandia Corporation employees. The conditions are different, but the music is the same.

C. E. Foster, Charles Strange, Phil Owens and Travis L. Bogue, all of Department 2110, are the members of our local "hungry four" who are looking for an additional clarinetist to make a "hungry fifth." Once a week these musicians get together and practice or appear in public. To most of us they are known as a "German Band."

Quick to champion the music played by German bands are members of the group. Not only is the

music great sport to play, but it has popular acceptance as is evidenced by large crowds which turn out to hear their public programs.

The members of the band are all Legionnaires. First, they were members of the Legion drum and bugle corps, then formed their own group. The "hungry five" music (the music books bear that caption) is different from the martial music of the drums and bugles. Chuck Foster points out that it takes more huff and puff. The music they play makes no provision for the musician to get his breath, they informed the reporter, after running through a selection that sounded like background music for a horse-race. Catching their breath at improvised intervals leaves the music unspotted with breaks. "It's good unless we all try to get our breath at the same time," they said.

*Du, du, Liegst mir in hertzen
Du, du, Liegst m'r in Zinn
Du, du, Machst mir fie' Schmerzen
Wiess nicht wie gut ich dir bin.*

The music may sound like a beer-drinking symphony to the man not acquainted with the words, but actually it is sentimental and tells of such things as undying love, etc. The musicians who first played the music found it unnecessary to rhyme such words as moon and June when they sang their ballads.

The hungry five's music grows on you and a good close-up of the musicians at work kindles quite a respect for their ability—it doesn't look easy.

And getting back to the popularity of that type of music—a clinching argument is that one of the most frequently played selections is the William Tell Overture and it has achieved what some people interpret as a sure sign of its success. It is the theme song of the radio program for the Lone Ranger.



Practicing music, much of which is hundreds of years old, is a weekly task for this German band. Travis L. Bogue, Phil Owens, Charles Strange and C. E. Foster, all of Production Engineering Department, 2110, are pictured at their weekly session, as they were warming up for a program to be presented to the Hugh A. Carlisle American Legion Post.

Champ Prevaricator Gets Into Training For 1950 Competition

But S'ill Takes Time For Little Theatre

Ever hear of the hybrid bee which was the product of crossing various insects, vermin, birds and Piper Cubs? Just ask Francis Scott of 2410 who now holds the title of champion liar of New Mexico for 1950, because he won his fame on just such an alleged experiment. Scott's bee is a fishing lure which eliminates the cumbersome rod and reel. It's guaranteed, he says, to catch nothing under a 36-inch fish.

Scotty is now digging into his repertoire of tales in order to defend his crown for 1951. Of course, he isn't giving us any preview on this forthcoming narrative.

The champion liar contest, sponsored by the Game Protective Association, will be held March 15 and the greatest liar is awarded a trophy which he is entitled to keep if he can retain his crown for three years. The competition is "rough" says Scotty, especially when you're trying to take first honors two years in a row.

In addition to excelling in storytelling, Scotty is active in theatre work. His last role was that of a veteran playwright in "Light Up the Sky." While in the engineering school at the University of Michigan, Scotty majored in dramatics and kept busy with the school productions. He was with the Erie, Pa., Little Theatre Group for two years and has played a large variety of roles in his many years of show business. He has been with the Albuquerque Little Theatre for 20 years, having appeared with such well-known stars as Leatrice Joy, Jean Cagney and Colin Keith Johnson. Scotty says his favorite part was that of the father in "The Winslow Boy."

Scotty has been at Sandia Base since 1946, having worked with Civil Service before he started with the Corporation. Just as a slight warning, in case you see any rare wildlife specimens running around loose or hear any fantastic rumors of such fauna, they might be a product of Francis Scott's great imagination, and it might be another trophy winner.

SANDIA BULLETIN

Vol. 3, No. 5

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

MARCH 2, 1951

SANDIAN RAISES PIGEONS FOR FUTURITY COMPETITION



Ed Harley and his prized pigeon, Bonafacio el Tercero, are pictured here. Ed not only has beautiful pigeons but he has chosen attractive names for the birds. An account of Ed's interesting hobby is given in the accompanying article.

E. L. Harley Explains One Theory On Why They Always Return

Bonafacio el Tercero may be just another Spanish name to some people, but to Edward L. Harley, Military Liaison Department, 1710, Bonafacio is a favorite homing pigeon. Ed has been raising and racing homing pigeons since he was 18 years old and spends considerable time in training his Bonafacio el Tercero, El Conquistador and others.

Ed at present has four pair of breeding birds and this is the breeding season. He says that by the end of the year he will have raised as many as 30 to 45 youngsters. Losses may occur during training and at the end of the year he will get rid of all but the four best pair to start the next year.

Races are usually held during the spring or the fall of the year, and Ed is now aiming for the fall race of 1951. Last year Ed's birds were victorious in the Grand Canyon Futurity.

There are two types of races, Ed explains: The locals, where any bird that can fly, and is in condition may enter, and the out-of-area futurities where pigeon fanciers compete against one another with four-week-old birds. The youngsters are sent to one location where they are trained by handlers with birds from many cities throughout the country. In the fall comes the big race. Sometimes as many as 3,000 birds compete.

The birds are taken to the release point, and then fly back home to their lofts where they were trained. Last fall they flew from the Grand Canyon to Phoenix, Ariz. As the pigeon flies into the loft trap, the handler is waiting to remove from the bird's leg a rubber band which he puts into a sealed time clock which records the time of arrival on the band. That evening the handlers open their clocks to compare timings.

In order to allow for the fact that some lofts are closer to the release point than others, the distance from each loft to the release point and the birds' flying time is rated on an average time basis. The average speed is 35 to 40 mile an hour, although to a

pigeon fancier it would be 1,000 yards per minute, says Ed.

Ed's answer to the question of why a pigeon flies home, is the same as the one given by a doctor of physics at Pennsylvania State University. The doctor claims that pigeons have a membrane behind the eyes, called the pecten, which is sensitive to the earth's magnetic field and the Coriolis force. The two forces create intersecting lines of force which act as latitude and longitude. This scientific study has been written-up in Life magazine and the American Scientific Journal.

Ed also keeps a few varieties of pigeons known as Fantails and Tumblers which are the show type. He says that his goal is a blue ribbon from every state.

Other interests help keep Ed busy. He has charge of Troop Four of the Boys' Scouts at the Evangelical United Brethren Church which is the same troop he was in when a Tenderfoot. He has attended two national Scout jamborees, one in 1937 and the one last year. Ed also raises chinchillas and is taking a night class in advanced calculus at the University of New Mexico. He came to Albuquerque from Flagstaff, Ariz., 23 years ago and has been here ever since. Ed was graduated from the University of New Mexico in 1943 with a degree in mechanical engineering and during his senior year was editor of the yearbook, The Mirage. During the war, he served with the Navy as an aviation engineering officer. He has been with Sandia Laboratory since June 1946.

Two Corporation Men To Appear in Movie

Two Corporation employees will soon appear upon the movie screens in Albuquerque theatres when a travelogue movie showing Albuquerque and vicinity is shown. James C. La Foon, Assembly Department, 2230, appears near the end of the film singing The Lord's Prayer while standing on the steps of the Old Town Plaza bandstand.

Roy Hassebroek, also of Assembly Department, 2230, is in the square dancing portion presented by the Roper Square Dance Club which was taken at Fifth and Central.

Sandia Base Radio Hams Now Mobile

A dozen members of the Sandia Base Radio Club have in recent weeks equipped their cars with radio transmitters. They are participating in the Wednesday evening emergency communication drills conducted by the Amateur Emergency Radio Corps of Albuquerque.

A network utilizing these mobile units and the club's station, W5MPZ, as network control is now being organized. The group will offer to the military a supplementary communications system which could handle "family traffic" problems in the event of a disaster or evacuation.

The Radio Club is again meeting in its original quarters, T-317, on "H" street. Plans for a new location for the MARS radio station are pending.

March 12, at 8 p.m., is the time set for the next club meeting. On the program will be Frank Hoover, W5LQW, who will describe and demonstrate a Padadaptor which he has recently constructed.

Toastmasters Meet To Elect Officers

Sandia Toastmasters Club met last night to elect officers for the ensuing six months. Results of the election will be announced in the next issue of the Bulletin. Installation of the new officers will be held April 5 in the Officers Club.

Lee Deeter, Auxiliaries Department, 1280, was chosen recently as the club's representative to participate in the district speech contest to be held in Albuquerque March 10. Toastmasters from a dozen clubs throughout New Mexico will compete for the opportunity to represent the district in a five-state area contest.

Runnerup in the Sandia speech contest was Nate Wineberg, Production Engineering Department, 2110.

City Bus Service Now Goes To South Tech Area Gate

Effective March 1 the Albuquerque Bus Company service for the trips indicated below was extended to the south Tech Area gate.

The schedule is as follows:

Leave Fourth and Central Streets, downtown Albuquerque, 7:15 a.m. Arrive south Tech Area gate on time for 8 a.m. shift.

Leave south Tech Area gate at 5:07 p.m. for return trip to downtown Albuquerque.

A letter from Capt. Tyler reproduced here is of interest to many Sandia Corporation employees.



C. L. Tyler

UNITED STATES
ATOMIC ENERGY COMMISSION
SANTA FE OPERATIONS OFFICE
LOS ALAMOS, NEW MEXICO

Mr. George A. Landry

President

Sandia Corporation
Albuquerque, New Mexico

Dear Mr. Landry:

I want to express my thanks to all members of the Sandia Corporation for their fine spirit of cooperation and excellent performance in connection with the recent test operation in Nevada.

Individuals and whole departments of the Sandia organization worked long and diligently in direct support of the operation, and contributed materially to its success.

Those of you who stayed at home base and made your contribution by assuming additional tasks in a supporting role were just as essential to the successful conclusion of the test as those who were on the "firing line."

I am grateful for the wholehearted cooperation extended by all your employees who participated in this successful team effort.

Sincerely yours,

C. L. TYLER

Manager

Military Liaison Committee Members Attend Sandia Conference

Carnival Night Mar. 17 At the Coronado Club

A carnival air will prevail at the Coronado Club Saturday night, March 17, as the doors open on an extravaganza guaranteed to delight everyone.

Game booths will line the main ballroom, and "speelers" will attempt to entice customers to their various booths to try their luck.

All games will be played with stage money, and everyone will be well heeled because a \$2 admission fee will buy \$2,000 in stage currency. The odds will favor the player, too.

During the evening a portion of the floor will be kept open for dancing to the music of a local band. Climax of the carnival will be the auctioning of a glittering array of household appliances, to be bought with stage money only. None can bid more than the amount of stage money he holds at the time of the auction.

Coronado Club members and their guests are all invited. The party starts at 8 p.m.



Among the officials who visited Sandia Laboratory last week were three men shown here with G. A. Landry, left, president of Sandia Corporation. They are, left to right, Dr. M. J. Kelly, executive vice-president Bell Telephone Laboratories; H. C. Beal, vice-president Western Electric Company; and D. A. Quarles, vice-president, Bell Telephone Laboratories. Mr. Beal and Mr. Quarles are also members of the board of directors of Sandia Corporation.

A distinguished party of military and civilian officials interested in the atomic energy program visited Sandia last week. Included in the party were Hon. Robert LeBaron, chairman of the AEC Military Liaison Committee; Lt. Gen. James H. Doolittle, a member of the AEC Scientific Advisory Board, famed for his B-25 raids on Tokyo during World War II, and Sumner Pike, Atomic Energy Commissioner.

Other members of the AEC Military Liaison Committee in the party included: Maj. Gen. Frank F. Everest, Rear Adm. Charles F. Coe, Rear Adm. Frederic S. Withington, Brig. Gen. Herbert B. Loper, and Brig. Gen. Stanley R. Mickelsen.

Brig. Gen. James McCormack, Jr., director, Division of Military Application, AEC, and Dr. Kenneth Pitzer, director, Division of Research, AEC were among those who accompanied the group. From the Air Materiel Command, Wright Field, came Maj. Gen. David M. Schlatter, Col. Leo V. Harmon, and Col. Gordon A. Blake.

Also participating in the day-long discussions with officials of Sandia Corporation, the military and AEC, were H. C. Beal, vice president, Western Electric Company; Dr. M. J. Kelly, executive vice president, Bell Telephone Laboratories; Donald A. Quarles, vice president, Bell Telephone Laboratories, and Dr. J. B. Fisk, Bell Telephone Laboratories engineer.

In addition to those listed above, a number of high ranking Army, Navy, and Air Force officers from Washington attended the meeting as well as military representatives from Sandia Base and Kirtland Field, and AEC officials from Los Alamos.

Choristers Extend Recruiting to Monday

Tenors and altos still have a chance to become members of the Sandia Choristers, if they apply Monday night, March 5. The Choristers get together every Monday at 8 p.m. in the Coronado Club to sing for the fun of it, and they will bring recruiting to a close Monday so they can bear down on rehearsals for their annual spring concert. The concert is tentatively set for mid-May.

Sandia Base employees or members of their families are eligible to join the Choristers.

SANDIA BULLETIN

Friday, March 2, 1951

Published for the employees of The Sandia Corporation Albuquerque, New Mexico

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



March Coronado Club Schedule

(Clip this program and save for handy reference)

- March 3. Saturday—Square dance
- March 4. Sunday—Buffet-dinner dance (Charlie Biesel trio)
- March 6. Tuesday—Square dance instructions
- March 8. Thursday—Bridge party, 25c per person
- March 10. Saturday—Informal dance (orchestra)
- March 11. Sunday—Spring fashion show (Kistler-Collister)
- March 14. Wednesday—Bingo
- March 17. Saturday—Carnival Night
- March 18. Sunday—Buffet-Dinner dance
- March 20. Tuesday—Square dance instructions
- March 22. Thursday—Bridge party
- March 23. Friday—Children's party
- March 24. Saturday—Informal dance (orchestra)
- March 28. Wednesday—Bingo
- March 30. Friday—Square dance
- March 31. Saturday—Informal dance (juke box music)

T. A. Sprink Manager Of Newly Formed Salton Sea Department

Effective March 1, T. A. Sprink was appointed Department Manager of a newly formed Department known as Salton Sea Department, 2480, reporting to Mr. L. J. Heilman, 2400. This Department absorbed the responsibilities of Salton Sea Main-



T. A. Sprink

tenance and Service Division, 2419, and in addition will have administrative responsibility for all Sandia Corporation interests at Salton Sea in regard to such matters as security, health, payroll, etc.

Coronado Club Plans Spring Fashion Show

Spring fashions for milady will be shown at the Coronado Club fashion show Sunday, March 11, at 4 p.m. in the club ballroom.

The latest in spring attire will be furnished by Kistler-Collister's and the store will also give door prizes.

Models will be Norma Safely, Coronado Club; Beverly Osler, Base Hospital; Mickie Harrison, Sandia

What Is Your Opinion . . .

Where Would You Like to Spend Your Next Vacation?

This is the first of the column, "What Is Your Opinion?" which will be featured in the Bulletin from time to time. The opinions are given by Sandia Corporation employees picked at random. The following answers were given to this week's question, "Where would you like to spend your next vacation?"

JEANNE McCORMICK, Document Department, 2460. I think I would like to go to Mexico City. It has such a wonderful climate and is enticing because of its peaceful atmosphere. Of course, I would want two or three weeks to just relax there. I spent my last vacation in the hospital and want a different type of rest this time.



VINCE MELLILLO, Drafting and Standards Department, 1250. I would like to go back home to Chicago. It's been two years since I was there. All my relatives live there and I'd like to be there to see some good sports events, especially with the baseball season coming up. I'm from the southside of Chicago but I still root for the Cubs.



Base Headquarters; Norma Chumley, AEC; Imojean Patterson, Surveillance Department, 1520; Frances Hale and Marian Mechenbier, Development Personnel and Secretarial Service Department, 4220; Olessa Ellis and Raquel Marquez, Surveillance Department, 1520, and Celia Johnson and Donna Lou Ellis, Sandia Base teen-agers.

MARY MYER, Development Fabrication Department, 2120. California would be my choice of a vacation spot. I like the beaches, the shopping on Wilshire Blvd., and I'm especially fond of San Francisco because it's such an interesting town. Another reason I would like to go to California is so I could return to Albuquerque and fully appreciate it.



ERNESTO MARTINEZ, Plant Maintenance and Service Department, 2410. I would like to go to Santa Rosa, N. M. I have part of my folks living there. I have a daughter there and grandchildren. I used to be county clerk of Santa Rosa, but I've been living in Albuquerque since 1946. I don't want to move back to Santa Rosa—just like to visit, as my home is here now.



HELEN CULLEY, Nurse in the Medical Department, 3160. My husband and I would like to go back to Honolulu. (Robert Culley is in Instrumentation Department, 1620.) We lived on Hickam Field for three years and plan to return the summer of 1952 for our vacation. We've been in Albuquerque now for 18 months.



MONTE L. CRAIG, Project A and C Department, 1210. I would like to go to Mexico City. Particularly because I'm one of these people who doesn't like snow, ice or anything associated with it. I feel Mexico City has a lot to offer in education as far as other peoples are concerned. Its mode of life is so different! Another influence on my choice is the "romance of the tropics" which is much talked about and is the subject of most musicals.



All square dance enthusiasts are urged to don those cowboy boots and plaid shirts, get their partners and be ready to chug along when W. E. "Doc" Rehbeck calls "The Wreck of the Old 97" tomorrow night at the Coronado Club square dance at 8:30 p. m. Another evening of fun has been planned for the square dancers and Doc Rehbeck and his wife, Betty, will be on hand as genial host and hostess.

Be sure you know how to do your job safely.

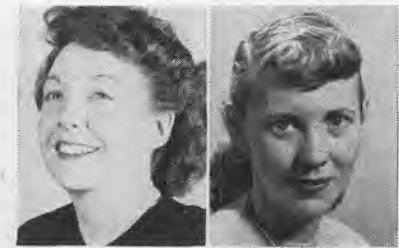


Members of the Board of Directors of the Coronado Club are pictured here at a recent luncheon meeting. From left to right: R. B. Powell, J. C. Hart, Norma Safely (receptionist and secretary at the Club), Mary Marchionda, Danny Padilla, Robert E. Roy, Treasurer, Hoyt Westcott, vice-president, E. L. Brawley, president, Harold Gunn, secretary, H. W. Sharp, Sandia Corporation representative and D. F. Worth, AEC representative. At this meeting W. C. Kraft was elected to membership on the board, replacing Don Cotter who resigned recently. Glenn A. Fowler, also a member of the board, was unable to attend.

Weddings — Engagements

More weddings and engagements have been announced by Sandia Corporation personnel.

The engagement of Patricia Claire Niggel to Sgt. Bernard John Wessel was announced last month. Pat is employed in Cost and Accounting Department, 4131. Her fiance is stationed at Kirtland Air Force Base with the recently activated New Mexico Air National Guard Unit.



Niggel



Laney



Foster



Novaria

Byron "Woody" Heath of Project A and C Department, 1210, has become engaged to Rosemary Stockton of Albuquerque. Woody was graduated with distinction from Purdue University in 1950 and is a member of Pi Tau Sigma, national mechanical engineering fraternity. His fiancee is a University of New Mexico graduate.

Margaret Rea, Production Engineering Department, 2110, and Thomas Laney, Test Operations Department, 1610, were united in marriage February 15 in Bernalillo, N. M. Van Edsalls, of Cost and Accounting Department, 4130, was best man.

Renee Silva and John Foster, both of 2460, Document Department, were married February 18 in a double ring ceremony. The Fosters are making their home at 3226, Apartment E, here on the Base.

Luella Novaria, Document Department, 2460, has announced that she and Lee Silar White will be married in April. Her fiance is an agricultural engineer with the Bureau of Reclamation in Billings, Mont. Luella's last day with the Corporation was last Wednesday.

Nina Jaynes, Employment and Personnel Department, 3150, became Mrs. John C. Barnes February 22 in the Jaynes home, 521 San Lorenzo Dr. John is also in Personnel.

Toastmistress Club Holds Second Run In Speech Contest

Turquoise Toastmistress Club held the second run in their speech contest Wednesday, February 28 at 6:30 p.m. at a dinner meeting held in the Coronado Club.

Toastmistress for the meeting was Mrs. Dan B. McCarthy and Mrs. J. H. Ruder was topicmistress.

Speakers in the second run were Mrs. M. V. Selles, Mrs. L. H. Stradford, and Mrs. R. A. Richards.

No more than six presidents and ex-presidents of the United States have ever been alive at one time.

AROUND THE DEPARTMENTS

The document room of organization 2460 honored Luella Novaria at a luncheon in the Coronado Club Wednesday noon. Luella terminated to move to Billings, Mont., where she will be married to Lee Silar White, an agricultural engineer.

Two employees of the Document Department, 2460, are on the sick list. Catherine Bryant is on leave of absence for an operation at Mayo Clinic. Juanita Bridge is also hospitalized for an operation.

Document Department, 2460, wishes Marian Sanders loads of luck. She has left the Corporation to study drama at the University of New Mexico.

Two people in 1710, Military Liaison Department, decided on vacations in February. Frances Templeton took a week off in the middle of the month and spent the week, of all places, right at home. Ed Harley took a vacation trip over the Washington's birthday week-end to Phoenix to investigate some new techniques in pigeon breeding. (There's a detailed write-up about Ed's most unusual hobby elsewhere in this issue of the Bulletin.)

As of March 1, Military Liaison Department, 1710, has bid a fond adieu to Ralph Close. After more than two years as a tech writer with the department, Ralph transferred to 1270, Project E Department. Department 1710 wishes him the best of luck.

New cars are the talk of 1710, Military Liaison Department. Ginny Roy is quite proud of her spanking new blue 1951 Ford tudor sedan. It's a beautiful car and so is Bill Coster's snazzy maroon 1951 Hudson Hornet convertible. . . . The one you've been admiring in the parking lot in front of the Ad Building. In addition to Bill's car, G. C. Hollowwa and Max Weber also have late-model Hudsons.

Auxiliaries Department, 1280 was sorry to see Jack Fallon and Ted Morrelli leave. They wish them the best of luck in their future plans.

French Stewart, Development Staff Department, 4210, and family have moved into their new home located at 1741 N. Bryn Mawr.

Supply Branch of AEC had a party February 4 to welcome their new boss and to say farewell to J. E. McGovern. Mr. McGovern has moved down the hall two doors with Sandia Corporation and Laurence B. Hodler is the new chief of Supply. The party occupied a table across one end of the main lounge at the Coronado Club on the night of the regular Sunday buffet dinner.

Two of AEC's members have been out of the office ill for a considerable length of time. Frank P. Means of the Supply Branch is out with an injured foot. Bonnie J. Walters, Security Branch, underwent an operation at St. Joseph's Hospital and is recuperating nicely. Co-workers hope to see both of them back at work soon.

AEC welcomes the following new employees: Lewis T. Schaaf of Indianapolis, Ind., Terrance B. Miller, also of Indianapolis, Eugene K. Butler of Baltimore, Md., all of the Technical operations Branch, Russell Rhoe, Supply Branch, and Mary Lou Stump, Security Branch.

Elizabeth Craine, AEC Budget and Planning, was presented with a very lovely and mysterious cake on February 21, the occasion being her birthday. The card that accompanied it didn't help a bit. It was inscribed "from various characters" and since this fit any number of the people she knew she remains confused.

Project B and D Department, 1240 welcomes Marian Mechenbier as one of their co-workers. Marian is a transfer from Purchasing.

Personnel of Project B and D Department say they will miss Lou Ellen Martin who is leaving Albuquerque to return to live with her folks in Farmington, N. M.

A degree has recently been conferred on Bill Kraft, Program Scheduling Department, 2210; he is now known as William C. Kraft, T.V. D. (Doctor of Television).

Les Cox, Inspection Department, 2240, is reported as keeping 2240 entertained by his "Sinatra" style of singing. "My Heart Cries for You," is Les's Favorite, they say.

Medical Department, 3160, reports that as a group they have human frailties, even as you and I. Whether or not they take their own pills, they won't say, but they do ask that you continue to visit them with your aches and pains if for no other reason than to have them give their sympathy.

Mrs. Leta Faber, Assembly Department, 2230, and husband are the proud possessors of a 1951 Windsor deluxe Chrysler sedan. She regrets the loss of her 1949 Plymouth, the department reports.

Sam A. Swartz, Auxiliaries Department, 1280, received second prize award for "student paper of the year" at the American Institute of Electrical Engineers convention which Sam attended in New York City this past month.

Bob Jones of Auxiliaries Department, 1280, is very proud of his new home located in the F & S addition.

E. L. Deeter, Auxiliaries Department, 1280, is another of those new car owners. He has a 1951 Ford.

Employment and Personnel Department, 3150, honored Nina Jaynes Barnes, recently married, with a miscellaneous shower February 19 at the home of Pat Farley. Nina received many useful gifts.

Program Scheduling Department, 2210, reports that chicken pox has their friend Charles Simpson confined at home.

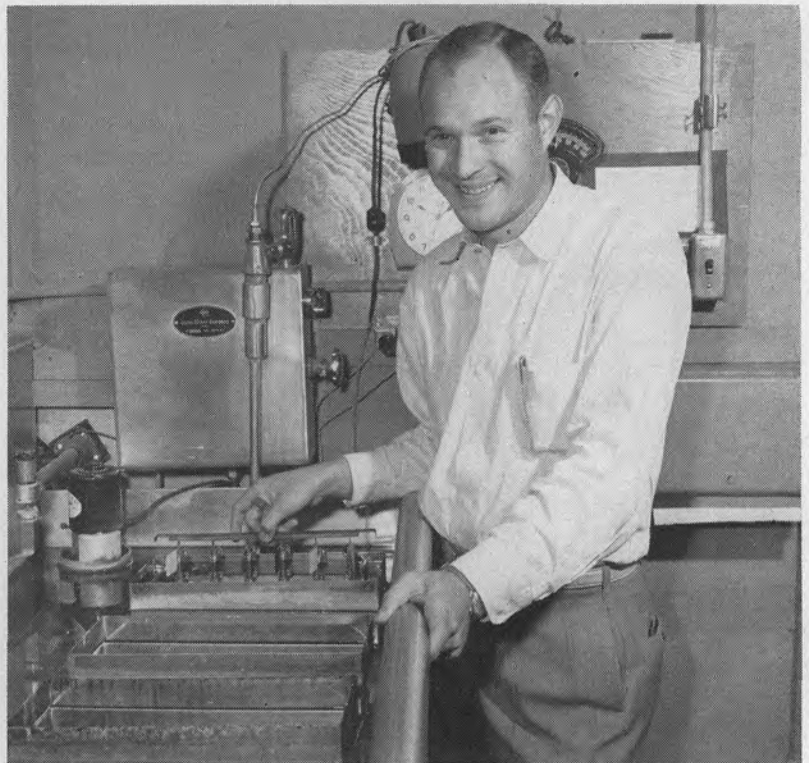
MAINTAINING A SAFETY RECORD



As a reminder that all accidents do not occur in shops, Doris Beaver, Employee Services and Health and Safety Department, 3120, demonstrates how she always closes a file drawer after use. A lower drawer left open may cause a nasty fall and an open upper drawer may result in face cuts.



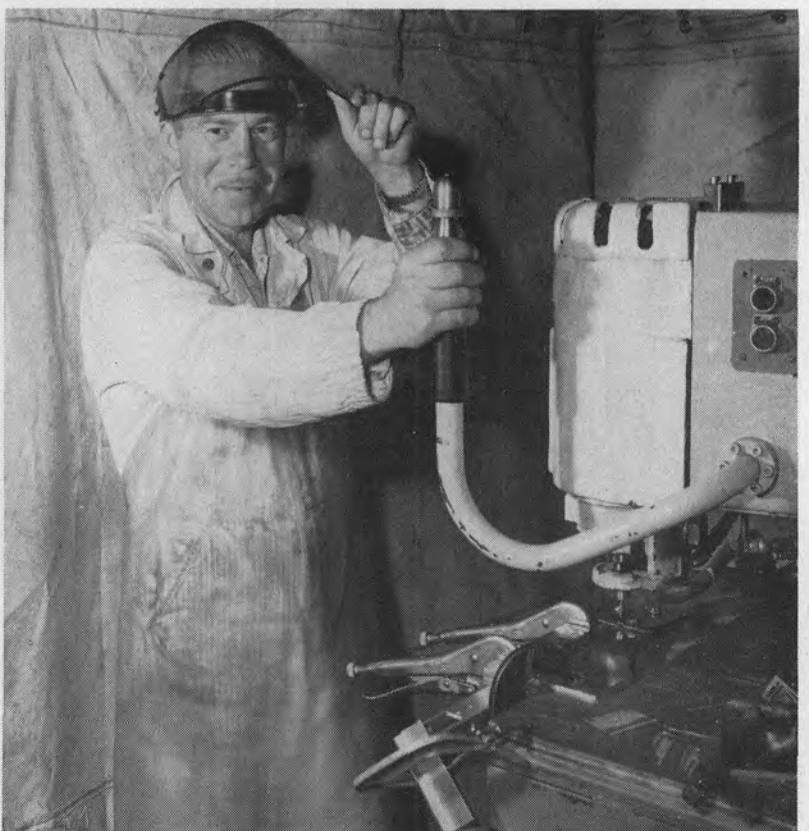
William Martin, Development Fabrication Department, 2120, wears glasses with safety lenses ground to his prescription. Bill, who says he has worn the safety lenses for years, is pictured here working at one of the furnaces in his department. "I wouldn't go to work without safety lenses," he says.



Measurement of exposure to radiation is a function of the Health and Safety Division. Here Harold E. Young, Employee Services and Health and Safety Department, 3120, demonstrates the technique used in developing film badges which will indicate radiation exposure



D. M. Hansen, Plant Maintenance and Service Department, 2410, has the features of safety shoes explained to him by Henry Strauss, Employee Services and Health and Safety Department, 3120. Henry is relating how the construction of the steel-toed shoe has prevented many foot injuries in industrial plants. These safety shoes are available for issue to authorized employees and purchase by others in Bldg. 857.



Daniel H. Juckett, Development Fabrication Department, 2120, prepares to drop his face shield before starting work with a steel router. He has put on his apron and pulled the canvas curtain before turning on the machine. Dan reports the machine is safe when all safety precautions are observed while working with it.



Carefully Selected and Highly Trained Men Are Found In the Sandia Corporation Security Guard Organization

There's a story of long experience and training behind the polite greetings you receive from Sandia Corporation security guards. In addition to carrying the burden of responsibility for the physical security of Sandia Laboratory these men are trained to conduct themselves with firm courtesy when dealing with employees of Sandia Corporation and official visitors.

The security program for the laboratory is administered by Plant Security Department, 2450, headed by E. P. Hutson. Charles "Buck" Weaver heads the Patrol Division and Harold Gunn is in charge of the Administrative Division which handles the recruiting and training program.

Since June 28, 1950, when Sandia Corporation assumed responsibility for all physical security and formed the Plant Security Department, an enlarged and comprehensive training program has been administered by the Corporation. Hal Gunn and Sgt. Nick Tarnawski, a veteran of 20 years service on the New York City police force, operate the training program with the assistance of veterans from the patrol divisions.

The program includes counter-espionage and anti-sabotage training, fire prevention, first aid, firearms training, basic criminal law, self defense, application of security measures for Sandia Laboratory, courtesy and identification technique. After completion of this schooling the recruit has several weeks of "on-the-job" training with experienced members of the department.

Men interviewed as potential Sandia Corporation security guards are carefully screened before being accepted for training. They must be in top physical condition, have at least a high school education, as well as military, plant protection, or police experience.

After successful completion of this basic schooling, continuous training in the use of firearms is maintained. The men receive instruction in use of the 38 caliber special revolver, carbine and 12 gauge shotgun. Qualifying scores in all these weapons are high.

The men go through a retraining period every six months. Emphasis in this phase of schooling is placed on keeping the men posted on security policies and procedures and they are also refreshed in the subjects taught in the basic training school.

C. A. "Buck" Weaver, supervisor of the patrol division, has the security guard organized into shifts which man the gates during all hours at both Sandia Base and the West Laboratory area. In addition the guards are on duty 24 hours a day in the towers throughout both areas. During non-operational hours the guards make periodic checks of the grounds and the buildings.



Sandia security guards man the lookout towers 24 hours a day as a part of their routine duties.



Sgt. Nick Tarnawski, a veteran New York City police officer, demonstrates to Orville Onken, Sandia Corporation Security Guard, a fine point of the art of self defense. Immediately prior to the time this picture was taken Orville approached Sergeant Tarnawski with his hand extended. In a moment he was on his back with the sergeant over him.

Bowling Leagues

FOOTBALL LEAGUE

TEAM STANDING			
Team	Won	Lost	
1. Red Skins	67	21	
2. Packers	55	33	
3. Forty Niners	51	37	
4. Rams	47	41	
5. Cardinals	47	41	
6. Colts	33	55	
7. Dons	28	60	
8. Eagles	24	64	

TEAM AND INDIVIDUAL

High team, three games, Cardinals, 2600
 Second high team, three games, Redskins, 2520
 High team, one game, Redskins, 904
 Second high team, one game, Cardinals, 893
 High individual, three games, C. H. Johnson, 626
 Second high individual, three games, Eiffert, 618
 High individual, one game, Eiffert, 268
 Second high individual, one game, Atkins, 246

TOP 10 AVERAGES

Heineken, 177; Johnson, 177; Malley, 172; Atkins, 168; Horne, 163; Parsons, 162; Eiffert, 161; Gustafson, 160; Rehbeck, 159; Melillo, 159; Reed, 159; Sparger, 159; Brewster, 158; Mahoney, 158; Hepplewhite, 157.

INSECT LEAGUE

TEAM STANDING			
Team	Won	Lost	
1. Scorpions	57	27	
2. Centipedes	49	35	
3. Fireflies	46	38	
4. Roaches	44	40	
5. Lady Bugs	42	42	
6. Black Widows	40	44	
7. Beetles	36	48	
8. Hornets	22	62	

TEAM AND INDIVIDUAL

High team, three games, Centipedes, 2906
 Second high team, three games, Fireflies, 2066
 High team, one game, Centipedes, 745
 Second high team, one game, Scorpions, 744
 High individual, three games, J. Partch, 526
 Second high individual, three games, P. Fink, 514
 High individual, one game, P. Fink, 229
 Second high individual, one game, J. Partch, 202

TOP 10 AVERAGES

P. Walker, 148; P. Fink, 148; J. Partch, 143; V. Schultz, 140; S. Brown, 137; J. Frizzell, 137; H. Brewster, 136; J. Drake, 135; G. Hahn, 135; M. Dixon, 134; B. Walters, 132; E. Buchanan, 128; V. Parsons, 127.

Classified

FOR SALE
 2-wheel Trailer with pick-up bed. See at 400 N. Pearce or Call Greg Abeyta, ext. 27258, Bldg. 898, or Alb. 5-2938.

Harley Davidson Motorcycle 1942-74. Completely overhauled, new paint job, new tires, \$250. Clark Campbell, West Lab ext. 24 or 2132 Tapia Rd.

Kodak Medalist, complete with accessories and enlarger, \$300 terms as desired. Clark Campbell, West Lab, ext. 24 or 2132 Tapia Rd.

28-ft. All Metal Duo Trailer House, Electric Refrigerator, Butane Gas Cook, Duo-therm Oil Heater and many extras. \$1650. Will finance. See at 502 N. Hermosa, Wilbur B. Sheaffer, ext. 3247 or Alb. 5-9473.

1940 Buick 4-door sedan, 1949 engine, excellent condition. \$500. R. J. Flanagan, 5-1666 ext. 5 West Lab or see at 2022 N. Cardenas.

9 cu. ft. Stewart-Warner electric refrigerator, \$125. Excellent condition. 2.5 cu. ft. freezing compartment. Foster at ext. 22240.

Portable washer—Kenmore, electric pump, agitator in the bottom, like new, J. Hann, 21242-43-45 or see at -508 E. Anderson St. after 5:30 p. m.

1941 Hudson deluxe sedan, motor perfect, 4 new Atlas tires, radio, heater. A real buy and cheap transportation. Don Atkins, ext. 22156 or see at 2015 Hendola Dr., Inez addition.

Dining suite, buffet, table and five chairs. Good condition. Reasonable. H. Lautner, ext. 22152 or Alb. 7498.

MAJOR LEAGUE

TEAM STANDING

Team	Won	Lost
1. Browns	52	24
2. Red Sox	46	34
3. White Sox	44	36
4. Indians	36	36
5. Senators	40	40
6. Tigers	33	47
7. Athletics	32	48
8. Yankees	27	45

TEAM AND INDIVIDUAL

High team, three games, Indians, 2593
 Second high team, three games, Senators, 2535
 High team, one game, Red Sox, 913
 Second high team, one game, Browns, 906
 High individual, three games, Gasta, 640
 Second high individual, three games, Rowe, 604
 High individual, one game, Gasta, 255
 Second high individual, one game, Rowe, 246

TOP 10 AVERAGES

Rowe, 177; Fink, 173; Gasta, 170; Palmer, 169; Pagenkopf, 167; Rice, 166; Nogle, 166; Redburn, 165; Sylvestre, 161; Repetti, 160; Arterburn, 160; Hoge, 160; Saylor, 160; Brown, 159.

INDIAN LEAGUE

TEAM STANDING

Team	Won	Lost
1. Mohawks	58	18
2. Zuni	48	28
3. Potawatomi	45	31
4. Crees	45	31
5. Navajo	34	42
6. Hopi	30	46
7. Apaches	28	48
8. Comanches	17	59

TEAM AND INDIVIDUAL

High team, three games, Hopi, 2636
 Second high team, three games, Crees, 2519
 High team, one game, Mohawks, 938
 Second high team, one game, Hopi, 920
 High individual, three games, Culley, 2604
 Second high individual, three games, Duffield, 595
 High individual, one game, Culley, 275
 Second high individual, one game, Duffield, 229

TOP 10 AVERAGES

Duffield, 174; Mills, 169; Whitney, 168; Nogle, 164; Northrup, 161; Gasta, 161; Horne, 161; Hasselbrock, 160; Gray, 160; Schaap, 160; Leonard, 159; Showers, 159; Parsons, 159; Redburn, 158; Malley, 158; Baumgartner, 158; Priore, 158; Robertson, 158; Hepplewhite, 156; Palmer, 156; Spriggs, 156; Deutschle, 156; Yambor, 155.

RIDES WANTED

501 S. Dakota, ride or share a ride, 7 to 5:30. D. D. Hesselbarth, ext. 7113.

422 South Amherst or vicinity. Mable Harry, ext. 28242 or Alb. 5-8397.

Broadway and Miles Road. Barbara Senesney, ext. 23253.

Corner Mackland Dr. and N. Hermosa Pl. Standard hours. Barbara P. Moody, ext. 25248 or after 5:30 p. m. Alb. 5-0421.

2125 N. Alvarado or vicinity of San Mateo. Sophia Wade, ext. 21216.

1600 N. Bryn Mawr, vicinity of Monte Vista Annex school, Shirley Huzarski, ext. 24141.

Coal and Eighth or Central and Eighth. Janice Nave, ext. 22246 or 3116.

2014 N. Rodey vicinity, Inez addition, Doris Beaver, ext. 29135.

FOR RENT

Room for rent, private bath, tub and shower, private entrance, carport, \$35. Inquire 2101 Oxford Ave. Robert A. Steglitz, 26259 or Alb. 9601.

MOVIES

Friday, March 2—"The Second Face" (m) Ella Raines-Bruce Bennett. Universal Newsreel and Comedy.
 Saturday, March 3—"Rhythm Inn" (F) Jane Frazee-Kirby Grant. "Spoilers of the Plains" (F) Roy Rogers-Penny Edwards



Petie Fink, wife of Armand Fink, Development Fabrication Department, 2120, bowled 229 recently to establish the top score for women using the Coronado Club bowling alleys. Petie reports the total was more of a surprise to her than anyone else for not once during the game did she look at the score sheet.

Girls' Basketball Team Will Be Hostesses at Dance After Game

Sandia Bombers will meet the All-American Redheads tonight at 8 p.m. in the new Base gym. "Ole" Olson's Redheads delight in out-playing men's basketball teams so the Bombers will have to be alert to come out victors in this game. The Redheads have played 2,308 games in 11 seasons against top teams all over the United States, Mexico, Canada and the Philippines. They have performed before more people than any other girls' team in history.

Following the game, there will be a dance in the gym at which the Redheads will be hostesses. Those desiring tickets should contact Army Special Services as early as possible since a record crowd is expected.

Corporation League Cage Champs Named

Project A and C Department, 1210, basketball team became the champions in the Sandia Corporation Basketball League when they defeated Plant Security Department, 2450, by a score of 49 to 24.

Val Black played excellent basketball to become high point man for the champs.

Other consistent players were L. Schulz, N. Garcia, L. Gutierrez, B. Black, and M. Craig.

Hinson and Brandenburg of 2450 proved themselves as a threat to any team that they play.

1210		2450	
Black	18	Hinson	12
Garcia	8	Brandenburg	8
C. Clyde	8	Rowe	2
Schulz	6	Loftus	2
Gutierrez	4	Orrell	0
Black	3	House	0
Craig	2	Honeycutt	0
Kroll	0		
Bashor	0		
Total Score	49		24
Half Time Score	26		5

SANDIA BULLETIN

Vol. 3, No. 6

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

MARCH 16, 1951

SANDIA TO COOPERATE IN RED CROSS DRIVE

No Solicitation at Work; Everyone Gives at Home

Sandia Corporation will cooperate with the Albuquerque Chapter of the American Red Cross in conducting a solicitation of funds in the housing area on the Base during the last two weeks of March, it was announced this week.

This year the Albuquerque Red Cross fund drive is being conducted on a residential solicitation basis, and no memberships will be sold at the offices, shops or other places of employment.

Personnel living off the Base will be called upon at their homes by neighbors serving as volunteer workers. The solicitation program is now in progress in several residential districts and an effort is being made to obtain a contribution from every family in Albuquerque.

For those living on the Base the collection will be made during last two weeks of March, beginning March 19 by a group of volunteer workers under the direction of Mrs. E. G. Miller. They will call at all houses and apartments in the AEC housing area.

The need for funds is greater than ever before this year because of the vastly increased work being performed by the Red Cross in connection with the national emergency and the armed forces. The Albuquerque chapter works closely with the Field Director's office at Kirtland and Sandia in performing many services for men and women in uniform. Last year the Field Director's office handled 5448 cases in the Albuquerque area. The Albuquerque chapter maintains files on more than 20,000 cases in which service was rendered during the past ten years in this area.

Along with Home Service and service to the armed forces, disaster preparedness and relief is a primary responsibility of the American Red Cross. Each chapter is responsible for organizing the resources of the community in order to be prepared to meet such an emergency. Swimming instruction, home nursing instruction, Junior Red Cross, and the Gray Lady program of hospital service are among the many familiar services rendered throughout the year by the Red Cross.

Service to men of the armed services does not stop when these men return to civilian life. The Red Cross works with the Veterans Administration in serving veterans who have problems. Many of such cases were included in the 5234 individual family situations investigated by the Albuquerque chapter last year, rendering such service as consultation and guidance on legislation, financial benefits, hospitalization, and education.

Last year approximately \$42,000 was collected in Albuquerque during the fund campaign and the goal this year is \$69,000. Nationally a fund goal of \$85,000,000 has been established, nearly half of which will be used in services to the armed forces and veterans.

On June 30, 1950, 35 regional blood centers located throughout the United States, had been established and were serving more than 2,000 hospitals. Shortly after the outbreak of hostilities in Korea, the government asked the Red Cross to provide whole blood for the armed forces and to coordinate the nationwide program of blood procurement for military and civil defense. This responsibility necessitates the



American Red Cross activities extend into many fields, and one of the most important is work with men in the Armed Forces. Here Mrs. Edward Burda, wife of E. J. Burda, Projects B & D Department, 1240, watches a card game in the Sandia Base Hospital recreation room. Seated from left to right around the table are LeRoy G. McIntosh, Cedar Rapids, Iowa; Martin Rachlin, Falls River, Mass.; Charles E. Reese, Terre Haute, Ind.; and Chester F. Summers, Albia, Iowa.



Miss Elaine Lynch, American Red Cross Field Director at Sandia Base Hospital, helps Robert P. Daly, Battle Creek, Mich., select some reading material from the mobile book rack. Recreational facilities are provided by the Red Cross for the servicemen who are in the field as well as in hospitals. Red Cross activities are far-flung and are especially apparent in time of war or national crisis.

opening of additional regional blood centers throughout the country to meet the total requirements of whole blood and blood derivatives.

Acting on requests from the National Security Resources Board and the Civil Defense Administration, the Red Cross had undertaken the training of 20 million persons in first aid, in-

cluding treatment of atomic explosion and radiation injuries; 250,000 nurses aides and hundreds of thousands of women in home nursing as part of the national defense program.

Remember that your dollars invested in the Red Cross are insurance for you and your loved ones, for the Red Cross serves everyone.

Project Ranger — We Were There

Sandia's Part in Nevada Tests Told

The part that Sandia Laboratory played in the recent Nevada tests of nuclear detonations was revealed in part this week. Unknown to most employees here, a sizeable number of specialists in the Field Test Organization, 1600, and the Proving Ground Ordnance Department, 1260, were directly involved.

Project Ranger, as the operation was called, caught the attention of the entire world, when it was announced that several nuclear explosions would be set off at a remote desert location near Las Vegas, Nev. The story of how our people came through under pressure is an inspiring one.

Field Test went all out to do a difficult job and came through with flying colors. They were charged with furnishing equipment and operators to maintain certain radio communications links. They also designed, fabricated, installed and operated timing and control circuits used to coordinate certain observations of the nuclear explosions. While most of the instrumentation was the responsibility of the Los Alamos Scientific Laboratory, certain special instruments were furnished and operated by Sandia personnel. Personnel of the Proving Grounds Ordnance Department assembled devices used in the tests.

Apart from the technical aspects of the operation, a number of Sandia and AEC personnel here were directly involved in such problems as security clearance of personnel, arranging for transportation, reservations, equipment and supplies.

The tests were conducted on a section of the Las Vegas Bombing and Gunnery Range northwest of Las Vegas, and most of the people participating in the operation, as well as official visitors, witnessed the blasts from a vantage point at the site. Heat and a tremendous heat blast were felt, and the dazzling light had to be viewed through special glasses as a safety precaution.

Aside from those participating in the operation, permission was obtained for several Sandia employees, whose work is closely related to the tests, to witness the final test. Those who received permission to go to Nevada traveled at their own expense and on their own time. Several Sandians reported that they had watched the horizon many mornings during the period of the tests and were rewarded at last by seeing a fleeting glow in the western sky as they watched from the mesa north of Albuquerque.

Air Force Reservists With Four Dependents Eligible for Discharge

Information was received this week that enlisted Air Force Reservists who have four or more dependants are now eligible for discharge from the reserve. Air Force Reserve officers with four dependants will be transferred to the inactive reserve upon application.

Applications for separation from the Air Force Reserve under this regulation must be submitted prior to April 1, 1951. Further information may be obtained from any member of the Defense Mobilization Problems committee or from the Public Relations Division, 3125.

Safety's a good thing for all of us. No matter how long you've been here or what your job is, don't take chances. Help others be safe on the job—for your sake, as well as theirs.

C. E. Runyan New Department Head

C. E. Runyan has been appointed manager of a newly formed department, Project C, 1220, reporting to R. W. Henderson, Director of Engineering, 1200.

Charlie has been at Sandia Laboratory since January, 1947, and until this promotion was a division supervisor in Projects A & B Department, 1210.

Born in Canada near Calgary, he came to United States when six years old and made his home in Indianapolis



C. E. Runyan

for many years. After public school education in Indianapolis he attended Purdue University, Lafayette, Ind., and in 1933 was graduated with a degree in mechanical engineering.

For five years he was employed by General Motors and for three years was an engineer for General Hydraulics Engineering Co. in Detroit.

In 1943 Charlie moved to Los Alamos where he was employed until moving to Albuquerque. He was married in 1941 and he and his wife Betty now have two children, Dennis 6, and Janice 4.

Charlie's profession of engineering has not interfered with his community activities. He has been a member of several professional engineering societies. Since moving to Albuquerque he has assisted in forming an alumni chapter of Tau Kappa Epsilon, in cooperation with the members of the fraternity on the University of New Mexico campus. He is also active in the Sandia Toastmasters Club, is a member of the "Circle 8" Square Dance Club in Albuquerque and helped form the Albuquerque Figure Skating Club.

Charlie enjoys ice skating, has appeared professionally, and some years ago put his engineering ability and skating proficiency together and helped create a portable ice skating rink.

Albuquerque has been claimed as home by the Runyans and they are staunch supporters of the city and the state of New Mexico.

FIRST AID

Medical Department, 3160, wishes to remind personnel that there are first aid stations located in Bldg. T-840 and T-892. Those needing refills for their first aid kits will find supplies available in Bldg. T-892 as well as in T-818.

SANDIA BULLETIN

Friday, March 16, 1951

Published for the employees of
The Sandia Corporation
Albuquerque, New Mexico

Photography by Photographic and
Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



March Coronado Club Schedule

(Clip this program and save for handy reference)

- March 16, Friday—Square Dance
- March 17, Saturday—Carnival Night
- March 18, Sunday—Buffet-Dinner dance
- March 20, Tuesday—Square dance instruction
- March 22, Thursday—Bride party
- March 23, Friday—Children's party
- March 24, Saturday—Informal dance
- March 28, Wednesday—Bingo
- March 31, Saturday—Informal dance (juke box)

Several More Sandians Go to Armed Forces

More Sandia Corporation personnel have been called by Selective



Nelson

Aragon



Chavez

Service during the last two weeks. They are Lawrence J. Chavez and Alonzo Floyd Nelson, Expediting and Traffic Department, 2330, and Celerino Aragon of Plant Maintenance and Service Department, 2410.

Art League Announces Schedule of Classes

The Sandia Base Art League has announced that the following art classes are being held in the new Base library:

- Mondays, 7:30 p.m., gem cutting under the direction of Robert Lemm.
- Mondays, 8 p.m., textiles, Dorothy Brunsfold.
- Tuesdays, 7 p.m., pastel, oil and water colors, Ted Schuyler.
- Wednesdays, 7:30 p.m., silver and copper, Sgt. Antonio.
- Thursdays, 7:30 p.m., leather, C. J. Waugh.
- Ceramic classes will meet at 7:30 Thursdays at the Old Base theatre under the direction of Caroline Gilbert.

AROUND THE DEPARTMENTS

Ben W. Jolliffe, Production Engineering Department, 2110, has become the fifth member of the German Band. Other members of the band, all of 2110, are Travis L. Bogue, Phil Owens, Charles Strange and C. E. Foster.

Mr. and Mrs. Robert I. Leibman are the proud parents of a daughter, Ellen Fay, born February 24. Bob works in Instrumentation Department, 1620.

Wilson Hicks, Assembly Department, 2230, is turning painter during his week's vacation. Mrs. Hicks and the baby have gone to Philadelphia so Wilson decided to get his place painted while they are away.

Jim Harmeyer, soon to be with Business Methods Department, 4230, and formerly a business administration professor at the University of New Mexico, has turned the tables and is now taking some instruction in the techniques of personnel work.

Plant Security Department, 2450, is of the opinion that the shift scheduler should get together with the Weather Bureau to arrange for some clear days in order that Lt. N. T. Jones can play golf on his days off—it seems that Lt. Jones has batted one hundred per cent for foul weather on his days off.

With the approach of Spring the Security Inspectors will soon be dusting off their Stetsons once again and discarding the billed caps. Lt. Lambert on a recent trip south of the Border bought a new pair of cowboy boots in anticipation of donning the Stetson again.

Document Department, 2460, welcomes Emie Fegura from Taos, N.M., Louise Erwin, a native of Albuquerque, and Blanche Faltoyn from Saginaw, Mich.

Mildred Crouch, Document Department, 2460, is very happy over her new home at 5408 E. Mary and the fact that she has house guests. Mr. and Mrs. Oren Cotrell, Mildred's uncle and aunt, will be visiting her for several weeks from Oklahoma City.

Mr. and Mrs. Ray Pierotti are the proud parents of a baby boy born March 9. Ray is with Projects B and D Department, 1240.

Charles Hines, Development Staff Department, 4210, returned from Havana, Cuba, recently where he was on temporary military duty. It's reported that all he brought back was some of the Cuban's specialty.

AEC extends a welcome to Delores J. Murphy of Minneapolis, Minn., Arthur Martinez, Albuquerque, and John Barcroft, Trinidad, Colo.

Drafting and Standards Department, 1250, is glad to see Pat Priore back at work after a three-day illness.

Ed Inglat, Drafting and Standards Department, 1250, is the proud father of a boy born March 1.

AEC had two proud fathers recently. Eugene R. Butler's son was born March 7 and B. M. Peterson's son was born the latter part of February.

Perry Cowles, AEC, left for the army last week. Perry was in the Reserve.

Harold Meadows, AEC, reported for his physical last Monday. Harold is a major in the reserve.

Erma Fauerbach, AEC, is going to San Angelo, Tex., to participate in a bowling tournament. She is one of a group being sponsored by the Sports Bowl.

J. E. McGovern, Purchasing Department, 2310, gave a party at his home recently for his former co-workers in AEC. The report is that he had no choice as his AEC friends said they wouldn't let him leave unless he gave the party.

If G. L. Morrisroe, Projects B and D Department, 1240, sees spots before his eyes, there's good reason. His five youngsters were all sick with chicken pox at the same time last week.

Ralph S. Wilson, Project A and C Department, 1210, is another of the proud-father group. Mr. and Mrs. Wilson have a baby boy, 7 lb. 1 oz. born March 6. They have named him Kenneth Robert.

M. and Mrs. W. A. Rinehart have a 6-lb. 15-oz. son, Stephen Joseph, born February 18. Bill works in Document Department, 2460.

Development Personnel and Secretarial Service Department, 4220, is going to miss T. S. Daniel, who has transferred to Long Range Development Department, 1290.

Leo Jercinovic of Development Staff Department, 4210, is very ambitious. He has been painting his house and his wife meets him at the door every evening with paint and brush in hand.



R. T. Foster, Program Scheduling Department, 2110, was the first Sandia Corporation employee to use the new Tech Area bus service established March 1. Bob is pictured here with Joe Montoya, one of the drivers operating the bus service. The schedule is arranged so that a bus leaves the Administration building every 20 minutes and travels through the Tech Area to the South Gate and returns. First departure in the morning is at 8:10 a.m. and the last morning trip is at 11:30. First bus leaves in the afternoon at 1:10 and the last at 4:30. The schedule is maintained Monday through Saturday.



It's a great day for the Irish! Dan McCarthy and Ann McAfee, both of Employment and Personnel Department, 3150, get prepared for St. Patrick's Day with practice in placing a modest-sized shamrock on Dan's coat. Dan has the shamrock and it will probably reappear on his lapel Saturday, March 17.

Personnel of the Development Staff Department, 4210, at West Lab have been hearing all about the broken-down airplane that Art Coyne returned in from Washington, D.C. According to Art, it practically fell apart before they got to Kansas City. It was a business trip for Art but since Washington is an old stamping ground for him, he had some pleasure in looking up old acquaintances.

Helen Swanson, Development Staff Department, 4210, at West Lab, has an addition to her family. Helen raises boxers and last Friday one of the boxers had three pups.

Gladys Gilliland of Program Scheduling Department, 2210, had to make a hurried trip to California to visit her father who is ill.

Doty Constant, Program Scheduling Department, 2210, will be leaving the Corporation April 1. Doty is going to do secretarial work for the U. S. Air Force in London, England. It will be quite a change for her since she is a native of the Land of Enchantment.

Cost and Accounting Department, 4130, is very happy that John Dempsey is over his two-week illness. His big smile and calm easy way were missed.

In a previous issue of the Bulletin it was mentioned that personnel in Military Liaison Department, 1710, were proud of their new cars. Not to be outdone is Art Machen, who is just as proud of the six horses he now has on his 50-acre ranch in Alameda. Horses may be slightly outmoded as a means of travel, but Art insists that they are more reliable, more economical and less subject to flat tires. Incidentally, Art has something of which he can take real pride—his ranch house which he built himself. A few of the unusual features Art included in his ranch house are thermopane windows throughout (the living room window is 18 feet long and extends from the floor to the ceiling), parquet floors, a den that's out of this world, and a huge fireplace constructed of ribbonstone imported from Arizona.

Max Weber, Military Liaison Department, 1710, had his mother-in-law visiting from New Jersey for three weeks last month. She plans to stop in Albuquerque again on her way back to New Jersey from California.

Pete Meigs, Military Liaison Department, 1710, had the pleasure of a four-day visit from his "in-laws" recently. Pete's father-in-law, who is dean of the College of Liberal Arts and Sciences at the University of Kansas, had come to Albuquerque to attend the Deans' Conference at the University of New Mexico.

John Logan, Cost and Accounting Department, 4130, was passing out cigars and candy the other day, in honor of his new son, born March 3.

Cost and Accounting Department, 4130, reports that George Ison can tell you anything you want to know about a Chevrolet. He is fast becoming a master mechanic tinkering around in his spare time with old Chevrolets that he buys.

The prize for the most unusual tale of the month goes to Frank Irwin, Military Liaison Department, 1710. When Frank's back began to bother him the other day, he went to his doctor who discovered that the source of trouble was a torn muscle. The truly amazing thing, however, is that X-rays taken in the course of the examination disclosed that, at some time previous, Frank's back had been broken. Frank didn't know his back had ever been broken nor could the doctor determine when it might have happened.

Billy Benner, Military Liaison Department, 1710, moved to Belen recently to be near her husband who teaches music and directs the band at Belen High School. For about a week Billy was getting up at 5:30 every morning to commute to Sandia by bus and not getting home until 7 at night. Last week, however, she joined Wayne Welkenback, Inspection Department, 2240, and others in a Belen-to-Sandia carpool, and she can now sleep until the crack of dawn.

Margaret Montoya, secretary in Plant Security Department, 2450, has received news that a special person in England has been promoted to the rank of major.

Dede Kirby, Employment and Personnel Department, 3150, has taken some of her relatives from the East sight-seeing. They went to Chihuahua, Mex.

Ray Powell, Employment and Personnel Department, 3150, has returned from his business trip to Cambridge where he visited M.I.T. and then New York City. The trip was successful except that Ray lost some gloves and some books and returned to find his family ill.

General Douglas MacArthur: "The American Red Cross deserves praise for its services during the past year in behalf of our troops in the Far East Command. Its recreational, social, and welfare activities for both ill and able-bodied soldiers have contributed immeasurably to the cause of high morale."

Horseplay isn't funny when it might endanger someone's safety. In fact, horseplay is often judged as a crime.

GIVE NOW

**MOBILIZE
for DEFENSE
through Your
RED CROSS**

No More Desire to Travel and See the World Says T. S. Bills, Ex-Sound Man for Newsreels

Photographing the French Foreign Legion, a Spanish revolution, and Dutch Guiana aborigines were ordinary assignments for Globetrotter T. S. Bills, 1510, Quality Assurance Department, when he was a sound engineer with Fox-Movietone Newsreel back in the thirties.

Tom joined the Fox-Movietone organization in 1929 after graduation from Cornell University where he received a degree in electrical engineering, and has had about 18 years experience in covering some of history's top events.

In 1930 when King Alfonso was forced to abdicate his throne in Spain, Tom was on hand with his camera. He had been on assignment in Paris and his territory included Spain, Belgium, Switzerland, and all of France. Tom says that covering a revolution is not a snap job; he had to dash about from place to place to cover the various uprisings. Sometimes life became hazardous when he set up his camera and tripod—too many combatants thought it was a machine gun and he often found himself in the line of fire.

From Spain, newsreel soundman Bills went to North Africa where he and his fellow-workers lived with



T. S. Bills, complete with tarboosh, is shown in this 15-year-old picture as he covered the meeting between the King of Egypt and the King of Italy in the Cairo railroad station. Wing collar and Moslem hat were parts of the garb necessary before Tom and other members of the sound camera team could join the royal party.

African desert. He and other Fox-Movietone men went to Libya and into the Sahara desert. There, they filmed the travels and lives of the Italian Camel Corps.

In 1933, the party journeyed to England and Ireland where they photographed the scenic spots in Ireland including the Blarney stone. Tom says it's true that kissing the Blarney stone is not an easy job, but he accomplished the feat.

From 1934 to 1941 Tom worked for Metro-Goldwyn-Mayer Newsreel in Washington, D.C., as a staff sound engineer and he was given the assignment of covering the activities of the President of the United States. Tom says he accompanied President Franklin D. Roosevelt on almost every trip he made and recorded the majority of his fireside talks.

Taking a break from the newsreel business in 1942, Tom became the Washington representative for the Crosley Corporation on the development and manufacture of the proximity fuse. He was assigned to Johns Hopkins University's applied physics laboratory where he met Paul Larsen, former head of Sandia Laboratory, and Dr. R. P. Peterson and L. J. Paddison who are now with Sandia. He later left the Crosley Corporation and joined the staff of Johns Hopkins University Laboratory which headed the effort for the mass production of the proximity fuse.

In 1945 Tom went back to the newsreel business. He went to work for Warner Brothers Newsreel which is well-known as Warner Pathe News. He was assistant chief engineer for Warner Brothers in New York City and was responsible for all camera and sound equipment for making newsreels in this country for Warner Brothers.

Tom, his wife Ada, and two children, Carol Ann and Philip, came to Albuquerque in 1949 when Tom started working for the Corporation. Tom met Ada in Paris and they were married in London when he was making the travelogue films for Fox-Movietone.

When asked if he ever had the urge to globetrot again, Tom said he thinks he has travel out of his system.

GOLF

A committee to handle Corporation and AEC golf activities for the season has been formed.

Golfers interested in leagues, tournaments, team matches, etc., should contact one of the following committee members as soon as possible:

Paul Pierson, Production Engineering Department, 2110, ext. 22124.

Dan Freshman, Development Department, 4220, ext. 24259.

Joe Hickey, Employee Services and Health and Safety Department, ext. 26149.

Bob Book, AEC, ext. 22239.



T. S. Bills

the French Foreign Legion for two months. It was the first time that the Legion had been photographed and Fox-Movietone wanted to make certain the legionnaires were filmed in their typical life.

In 1931 Tom returned to the United States and was given an assignment in travelogue work. He worked in Florida and from there went to the West Indies Islands including Haiti, Trinidad and the Bahamas. The group then traveled to British Guiana and Dutch Guiana and made pictures of the savage aboriginal tribes deep in the interior. It wasn't head-hunting country, Tom says, but it was blow-dart country and those poison darts weren't toys.

The American vice-consul, who could speak the language of the natives, and an interpreter accompanied the party and made the going much easier. Via the drum system, messages were sent from tribe to tribe telling of the cameramen's approach, making it safe for the party to proceed. Tom recalls that when they were a considerable distance inland, they received a message, which the natives had sent on their drums, telling the group to proceed immediately to Europe. The party was in no position to hop a plane or a train so they paddled in dugout canoes for three days and nights until they reached civilized territory. From there they flew to Puerto Rico and then continued to Europe, Africa and Asia. Within ten days, Tom says, he touched five continents.

Travelogue reels were taken in Italy, Greece, Palestine, Egypt, Algiers, and Tunisia. While in Cairo, they received word that the King of Italy was to make a royal visit to the King of Egypt, so the newsreel people became members of the Egyptian royal party and traveled with the two kings.

Tom then had another look at the

Engagements—Weddings

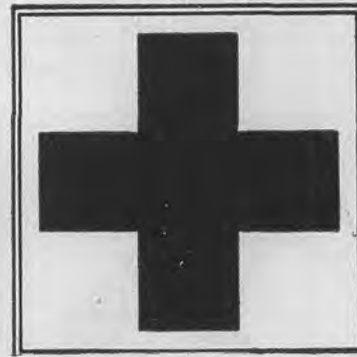
Engagements and marriages continue to be announced by Sandia Corporation employees. Beverly June Lunt, Employee Services and Health and Safety Department, 3120, has announced her engagement to Willard E. Flowers, Inspection Department, 2240. Bev and Willard plan to have a late summer wedding.



Beverly Lunt

Howard Ray Du Bois, Expediting Department, 2330, will be married to Shirlene Junie Thompson of Albuquerque next Friday, March 23, at 8 p.m. in the Church of Christ.

Nancy Mally, Medical Department, 3160, and B. M. Brush, Drafting and Standards Department, 1250, were married March 2. Mr. and Mrs. Brush are making their home at Cedar Crest.



Bill Kraft Is New Member of Coronado Board of Directors

W. C. Kraft, Program Scheduling Department, 2210, has been named a member of the board of directors of



W. C. Kraft

the Coronado Club to fill the vacancy left by the resignation of D. R. Cotter. Don resigned due to heavy requirements of his work.

Don has been an active member of the board of directors and was in charge of the bingo program since the formation of the club. Under his guidance bingo has grown to the point where it is attracting 600 people to the bi-weekly games.

Bingo is now under the direction of Ray Powell.

Dennis Chavez, Document Department, 2460, and Eva Gonzales will be married April 14 in the Sacred Heart parish. Eva is receptionist for radio station KVER.

Navy Commendation To James A. Williams

James A. Williams, Auxiliaries Department, 1280, recently was honored with a letter of commendation from Rear Admiral W. G. Schindler, commander of the U. S. Naval Ordnance Laboratory, Silver Spring, Md.



James A. Williams

The letter praises Jim's work on a special Navy project between July, 1946, and January, 1949, when he was on duty at the laboratory.

The Commendation reads:

9 February 1951

From: Commander, U. S. Naval Ordnance Laboratory

To: Mr. James A. Williams

Subject: Commendation.

1. You have demonstrated outstanding initiative, professional ability, and persistence in work leading to the successful completion of a highly refined method of growing completely flawless single large crystals of lithium sulphate monohydrate during the period of July 1946 to January 1949 inclusive. The techniques of growing and methods of fabrication developed by you are still used essentially unchanged by this Laboratory today. Because lithium sulphate monohydrate crystals were made available to the Naval Ordnance Laboratory in sufficient quantity, due largely to your efforts, the ship ranging program was and continues to be a highly successful undertaking.

2. The commander takes pleasure in commending you for this service to the United States Navy.

W. G. Schindler

Two Dollars Will Get You \$2,000 at Coronado Club Carnival Party and Auction Tomorrow Evening

It's Carnival time tomorrow night at the Coronado Club and the entertainment planned for the evening carries a near positive guarantee of a good time.

Admission charge per person is \$2. With the payment of this money you receive \$2,000 in stage money, which will prove to be a profitable rate of exchange. This \$2,000 in stage money is the only legal tender at the Carnival.

The ballroom of the Coronado Club will be lined with booths offering varied games, each complete with a well-known speeler. Here you may win a fortune with stage money. The pay-off for the winning customers will be made in the plentiful "Coronado Club Phoney Bucks."

Here's how you will be able to cash in on your Phoney Bucks. At the close of the evening, over \$400 worth (real value) of electrical appliances and other merchandise will be auctioned off, and these articles will be purchased with the stage money.

Jim Galbreath, Employment and Personnel Department, 3150, who is in charge of arrangements for the party, and Mary Marchionda, Coronado Club director in charge of entertainment, have carefully selected the items to be sold and they will be well worth while to the fortunate players.

A portion of the floor in the ballroom will be reserved for dancing and a band will be on hand to provide music through the evening.



You'll be able to buy all of this and more with Coronado Club Phoney Bucks. Mary Marchionda, Mrs. E. R. Parsons, and Jim Galbreath are pictured here with a small portion of the merchandise to be auctioned off at the close of the Coronado Club Carnival Party Saturday, March 17. Included in the picture is a tentative drawing showing the stage money to be used at the party. You'll get \$2,000 in these Phoney Bucks for your \$2 admission fee and if your fortune fares well it will increase. Included in the array of electrical appliances in the auction will be a steam iron, combination waffle and sandwich grill, percolator, deep fat fryer, and a radio, plus many other items not shown.

The Coronado Club "Phoney Money" received when you pay your admission will be legal tender in the ballroom only. All other facilities of the Coronado Club will oper-

ate as usual with the "real McCoy" used.

Coronado Club members, their families and guests are invited to attend. The party starts at 8 p.m.



Sandia Toastmasters Elect Harris President

Virgil A. Harris, Test Operations Department, 1610, will wield the gavel for the next six months as president of Sandia Toastmasters Club, succeeding G. L. "Jerry" Morrisroe, Projects B and D Department, 1240.

At the recent election meeting the following members were elected to other offices for six months terms: Lt. J. H. Tetrault, USN, Navy Special Weapons Unit, vice president; Les Cox, Inspection Department, 2240, secretary; Jess Adkins, Expediting and Traffic Department, 2330, treasurer; Harold Gunn, Plant Security Department, 2450, sergeant-at-arms.

Nate Wineberg, Production Engineering Department, 2110, will begin a one-year term in July as deputy governor and Dan McCarthy, Personnel Department, 3150, will take over the duties of the educational chairman at that time.

The Toastmasters hold dinner meetings at 6:30 p.m. each Thursday at the Officers Club. All men interested in public speaking are invited to attend.

E. L. Deeter, Auxiliaries Department, 1280, participated in the Toastmasters' Annual Area Speech Contest in Albuquerque March 10, speaking on the subject, "Why Not Worry?" The contest was won by a speaker from Toastmasters Club 122, Albuquerque.

ISA Group Views Electronic Display

A display of Foxboro electronic instruments was shown at the March 12 meeting of the Instrument Society of America, held in Hadley Hall on the University of New Mexico campus. Win Rochelle, a representative of the Foxboro Instrument Company, was speaker.

The Instrument Society held two meetings this month instead of their usual one. On March 8, there was a dinner-banquet at the Coronado Club honoring J. B. McMahon, national president of the Society.

Officers of the society are E. L. Deeter, Auxiliaries Department, 1280, chairman; Professor R. W. Tapy of the University of New Mexico, vice chairman; E. J. Burda, Project B and D Department, 1240, secretary; J. O. Muench, Inspection Department, 2240, treasurer; J. A. Southwick, Auxiliaries Department, 1280, meetings chairman; M. T. Muzzey, Employees Services, Health and Safety Department, 3120, program chairman; Leo Gutierrez, Weapons Component Department, 1120, publicity chairman; J. L. Hollenbeck, Electro-Mechanical Test Department, 1530, entertainment chairman; R. A. Richards, Auxiliaries Department, 1280, rules and procedures chairman; W. Goodman, Weapons Effect Department, 1110, employment chairman, and E. F. Schwam, Electro-Mechanical Test Department, 1530, membership chairman.

Bingo Winners

Sandia Corporation employees and wives' who were winners at recent bingo nights at the Coronado Club: Leo Dunn, Jackpot \$375; Janet C. Adams, \$10; Mrs. H. E. Sunde, Cory Coffee-maker; Mrs. J. L. Cundy, Ladies' Shoes; R. H. Landes, Presto Steam Iron; Mrs. Jesse C. Rehberg, \$10; Sam Johnson, Glass Fish Rod and Reel; Carmie Smalridge, 53-piece Pottery Set; Mrs. D. J. Padilla, Emerson Radio; R. C. Porter, \$3; G. C. Nicholls, \$5; Mrs. A. M. Fellows, \$1; Marian Zitmyer, \$5; Mrs. W. T. Welch, Tablecloth Set; Hal Gunn, Minnow Bucket; Gayle Sievert, Glass Holder; Mrs. Alex Macurak, Clock; Eloise Lynch, Clock; T. J. Jorgenson, Tablecloth Set; Mrs. Jay Stribling, Pen Set; Mrs. H. McNeil, Pillowcases; Mrs. Neil Hansen, Lighter; James H. Safely, Towel Set.

Radio Hams Plan New Organization

Hams Associated, an all-Albuquerque radio club, has issued an invitation to Sandia radio hams and their friends to attend the first meeting of the organization March 16 at 8 p.m. The meeting will be held on the University of New Mexico campus in Bldg. H-1-2, which is located east of University Avenue about one block north of Central Avenue.

The American Radio Relay League motion picture dealing with the problems of television interference will be shown at the meeting. There will be door prizes and plenty of ham fellowship for the radio amateurs and their friends.

Hams interested in the organization may secure more information from W. A. Finchum, W5FVO, ext. 62, West Lab.

New X-Ray Machine in Dispensary Speeds Up Physical Exam Results

Chest X-ray examinations made by the Sandia Corporation infirmary are now being processed in a few hours as a result of the installation of a Fluor-X-Ray camera January 23.

Nurse Betty Eisenschmidt, who is in charge of the operation of the machine, which is in the infirmary, Bldg. 818, says she has taken over 200 X-rays since starting to use the machine. Betty, who served during World War II in New Guinea and the Philippines in the Army Nurse Corps as a first lieutenant, says the camera is practically automatic and at the present time roll film is being used, but that individual small films will soon be available. Loading of film and developing has been done at the Lovelace Clinic, but arrangements have been made to start processing on the Base.

The machine has been used for chest X-rays only, but plans for the future include other types of work when necessary. The new machine is a great convenience to Sandia Corporation employees as previously all X-rays were taken off the Base.

Square Dancing Announced For Coronado Club Tonight

Folk dancing, round, square and couples, will enliven the Coronado Club ballroom tonight. The dance scheduled for March 30 has been changed to March 16 in order that interested square dancers may attend the gala State Square Dance frolic in Roswell March 30 and 31.

Square dancers from all parts of the state are expected to participate in the Roswell event and Sandians interested should contact Doc Rehbeck, ext. 21218, for reservations.

A preliminary dance will be held Friday night, March 30, in Roswell to get the week end's activities underway. Saturday, March 31, will be started off by a breakfast for all those attending, with a parade during the day, a square dance workshop in the afternoon, and the big square dance Saturday night.

World events have placed upon the American Red Cross the greatest responsibilities it has ever had to assume except in time of all-out war.

Bowling Leagues

JUNGLE LEAGUE
TEAM STANDING

Team	Won	Lost
1. Lions	58	38
2. Wild Cats	57	39
3. Bears	56	40
4. Rabbits	56	40
5. Mustangs	52	44
6. Panthers	45	51
7. Gophers	31	65
8. Lobos	29	67

TEAM AND INDIVIDUAL
High team, three games, Bears, 2651
Second high team, three games, Rabbits, 2615
High team, one game, Rabbits, 965
Second high team, one game, Lions, 157
High individual, three games, Campbell, 601
Second high individual, three games, Anderson, 599
High individual, one game, McGovern, 277
Second high individual, one game, Campbell, 254

TOP 10 AVERAGES
Collins, 182; Campbell, 171; Dadian, 170; Cook, 168; Frantz, 167; Dierks, 166; Mills, 166; Stradford, 162; Cone, 160; Grote, 160; Peterson, 160; Dietrich, 160; Eiffert, 159, and Brown, 158.

FOOTBALL LEAGUE
TEAM STANDING

Team	Won	Lost
1. Red Skins	74	22
2. Packers	60	36
3. Forty Niners	51	45
4. Cardinals	51	45
5. Rams	48	48
6. Dons	35	61
7. Colts	33	63
8. Eagles	32	64

TEAM AND INDIVIDUAL
High team, three games, Cardinals, 2600
Second high team, three games, Redskins, 2520
High team, one game, Red Skins, 904
Second high team, one game, Cardinals, 893
High individual, three games, Johnson, 626
Second high individual, three games, Eiffert, 618
High individual, one game, Eiffert, 268
Second high individual, one game, Atkins, 246

TOP 10 AVERAGES
Johnson, 177; Heineken, 176; Simpson, 169; Atkins, 168; Malley, 168; Parsons, 163; Eiffert, 160; Sparger, 160; Brewster, 159; Melillo, 159; Reed, 159; Mahoney, 158; Horne, 158; Hepplewhite, 157, and Wood, 155.

INDIAN LEAGUE
TEAM STANDING

Team	Won	Lost
1. Mohawks	64	20
2. Zuni	53	31
3. Crees	51	33
4. Potawatomi	49	35
5. Navajo	39	45
6. Hopi	34	50
7. Apaches	28	56
8. Comanches	19	65

TEAM AND INDIVIDUAL
High team, three games, Hopi, 2636
Second high team, three games, Crees, 2519
High team, one game, Mohawks, 938
Second high team, one game, Hopi, 920
High individual, three games, Culley, 604
Second high individual, three games, Nogle, 597
High individual, one game, Culley, 275
Second high individual, one game, Duggin, 229

TOP 10 AVERAGES
Duffield, 174; Whitney, 168; Mills, 168; Nogle, 167; Palmer, 162; Northrup, 161; Gray, 161; Gasta, 161; Hassebroek, 160; Horne, 160; Parsons, 160; Leonard, 159; Showers, 159; Robertson, 159; Priore, 159; Schaap, 159; Redburn, 158; Malley, 158; Baumgartner, 157; Deutschle, 157; Ortiz, 157, and Hepplewhite, 156.

INSECT LEAGUE
TEAM STANDING

Team	Won	Lost
1. Scorpions	59	33
2. Centipedes	55	37
3. Fireflies	54	38
4. Roaches	48	44
5. Lady Bugs	47	45
6. Black Widows	40	52
7. Beetles	37	55
8. Hornets	28	64

TEAM AND INDIVIDUAL
High team, three games, Centipedes, 2096
Second high team, three games, Fireflies, 2056
High team, one game, Centipedes, 745
Second high team, one game, Scorpions, 744
High individual, three games, J. Partch, 526
Second high individual, three games, M. Dixon, 515
High individual, one game, P. Fink, 229
Second high individual, one game, J. Partch, 202

TOP 10 AVERAGES
Walker, 151; Fink, 148; Partch, 145; Schultz, 140; Brown, 138; Frizzell, 138; Hahn, 136; Drake, 136; Brewster, 136; Dixon, 135; Walters, 132; Parsons, 128; Buchanan, 128; Campbell, 126.

Corporation Team Entered in Base Cage Tournament

An All-Star basketball aggregation has been selected from among the players in the Sandia Corporation League to represent the Corporation in the Base All-Star Basketball Tournament to be held at the new Base gym March 19 through 23.

Players were selected by a vote of the league managers and will compete against All-Star teams from the Army, Navy and Air Force personnel on Sandia Base.

Corporation All-Star Softballers won the base championship last summer against the same competition and hopes are high that the basketball crown will also be ours come March 23.

Games are free and spectators are

Softball

It's time to be thinking of softball again. The Corporation Spring-Summer league will be getting underway the first week in May.

All departments interested in entering teams in the league should be getting their rosters completed and turned in to Joe Hickey at the Employee Services Division, 3122 (located in Bldg. T-301), across from the Base cafeteria.

It looks like a bang-up year for softball, so start getting your team together now.

welcome. Plan to attend some of the games. The following cagers will see action in the Corporation line-up: Val Black, Bob Black, Jim Winters, Jim Hinson, Lee Schulz, Charlie Chavez, Joe Silva, Charlie Monroe, Sam Tabet, Chet Clyde, Leo Gutierrez, Arnold Gutierrez, Walter Maupin, and Charlie Garcia.



Nurse Betty Eisenschmidt demonstrates the new X-ray machine in the Sandia Corporation dispensary. Betty and her machine are a familiar sight to employees who were recently employed by the Laboratory.

Classified

- FOR SALE—**
1941 De Soto, club coupe, fluid drive, radio heater, \$400 or best offer. Mrs. V. Roy, ext. 5139 or Alb. 5-5468 after 5:30 p. m.
2 pr. venetian blinds, practically new; 1936 Ford pick-up. Frank A. Smith, ext. 25255 or see at 801 S. Indiana.
1942 Chev. club coupe, good tires, motor and body in good condition. \$495 terms. C. M. Dixon, ext. 3141.
Coleman radiant heater, \$12. Wally Boyes, ext. 5137.
G. E. 7-cu. ft. refrigerator. Good condition, \$75. June J. Moore, ext. 26136 or Alb. 5-1704 after 5 p. m.
8-inch tilt table saw, shopmaster, \$30. Has 6 inch extension. Vibro tool set, \$10. E. H. Pratt, ext. 29142.
Caloric gas range, .22 long automatic rifle, for sale or trade. McElvaney, 916 South Arizona, ext. 25255.
1940 Buick four-door Special, as is, \$250. Plagge, ext. 25245 or Alb. 5-1721.
Gas range, 4 months old, double oven, glass windows on both, broils without turning, very good stove. Louise Cooper, ext. 22152.

SPECIAL NOTICE—

Will baby sit any night. Alice McGee, Sandia Base Girls' Dorm, ext. 21143 after 5 or 26253 before 5.

WANTED TO BUY—

Ladies bicycle in good condition. J. Downing, ext. 26149.

WANTED TO TRADE—

Girls 26" bicycle, New Departure brakes, excellent condition to trade for girls 24" bike of equivalent quality. Jas. E. Fesler, Apt. D, 3236 "A" St., ext. 28260.

LOST—

Wallet and papers including ID card, gate pass and other papers lost in base bank building. Gerardo T. Sanchez, ext. 29153.

RIDES WANTED—

- From Sandia Base to West Central Ave. and Rio Grande Blvd., evenings only. Mary Katherine Pino, ext. 21249.
5600 N. Fourth St. Eralia Carleton, ext. 21249.
2000 S. Broadway. J. H. Hann, ext. 21242-43-45, Bldg. P-850.
12th and New York. Margaret Montoya, ext. 5255 or 23149.
6800 N. Fourth to South Gate Tech area. Betty K. Taylor, ext. 24152.
222 Loretta Ave. (or 4200 block N. 4th). Joyce G. Hazel, ext. 23255.
5600 N. 4th, Henry Austin, ext. 28158.
2634 N. Jackson, Bel-Air. R. A. Harris, ext. 28158.
Fourteenth and Central or Fourteenth and New York or vicinity. E. C. Domme, ext. 25152.
1410 W. Central, Ruth Lilley, ext. 5137.
2100 block N. 4th. Rita Singh, ext. 24141.
High and E. Central, to and from Sandia Base morning and evening. Frances Tennessen, ext. 22259.
2912 San Joaquin Dr., Donald C. Winger, 29244.
801 1/2 N. Main St., Belen, Geneva Gurule, ext. 24245.
Girard and Coal, Mabel Brown, ext. 24245. After 6 p. m. Alb. 5-4349.
Vicinity of Mackland Drive and Dartmouth. Georgia Howard, ext. 29249 or Alb. 5-9489.

SANDIA BULLETIN

Vol. 3, No. 7

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

MARCH 30, 1951

New Jersey Was Never Like This!

R. E. Poole Likes New Mexico People, Climate; Wins Praise of Committee

For a man who had never lived anywhere but New Jersey, moving to the arid Southwest was a change not to be taken lightly, but the Land of Enchantment now has a staunch champion in R. E. Poole, Director of Development at Sandia Corporation.

Mr. Poole left the important post of Director of Military Electronics Development, Bell Telephone Laboratories, to accept the position he now holds at Sandia a year ago last November.

On his desk in the main administration building at Sandia rests a handsomely carved mahogany gavel block, given to Mr. Poole by an uncle Emor A. Smith, who had received it 5 years ago from the city council of Hartford, Connecticut, when he served as president of the city council. The plaque that was attached to the block was replaced recently by a new silver plaque presented to Mr. Poole by the Sandia Weapons Development Board of which he is chairman. In addition to the names of the Board members the plaque bears the tribute:

"The thanks of this Board are hereby extended to Chairman R. E. Poole for the impartial and agreeable way he has presided over its meetings."

The Weapons Development Board plays an important part in the Sandia project, with representatives of the Los Alamos Scientific Laboratory, the Sandia Laboratory, and of the Armed Forces who bring to the Board the military viewpoint which is vital to the job of designing and producing special weapons.

The constant pressure of his work has kept him far too busy to become as well acquainted with New Mexico as he would like, but he and Mrs. Poole have found time to take an active part in community activities, not only at Sandia Base where they make their home but in the city of Albuquerque as well. Mr. Poole is a member of the Albuquerque Chamber of Commerce and frequently attends luncheon or dinner meetings of civic and service clubs in Albu-

querque. Mrs. Poole is a member of the board of directors of the Albuquerque Civic Symphony, and has stimulated considerable interest among Sandians in the concert presentations.

Last summer Diana Poole spent the holidays with her parents at Sandia before returning to Bryn Mawr as a sophomore, and since then she has made plans to finish college at the University of New Mexico beginning next fall. The Pooles also have a son, Robert, Jr., who spent three months at Sandia recently in preparation for a special assignment at the Pacific Proving Grounds of the AEC.

"In addition to the scenic beauty of the Southwest," says Mr. Poole, "we are intrigued by the friendliness of the people here—the casual social environment and the lack of formality." He has found time to visit several of the nearby Indian pueblos where Indian culture is preserved in much the same state as it was hundreds of years ago, and he has come to the conclusion held by many astonished visitors that the people are almost as imperishable as their delightful crafts and culture. You never see an Indian in a hurry, he noted, and maybe that's why many of them live 100 years or more.

Security Talks Scheduled

In order to increase security consciousness among the employees of Sandia Corporation, a program of security lectures has been planned. The security talks, each about 15 to 20 minutes long, will be given in the shops and offices by representatives of Department 2460 beginning April 2 and extending through May 15.

Lecture times, places and dates, as approved by the department managers, will be scheduled with Division 2461. More than one lecture may be arranged for a department if the breaking up of the department into groups will not interfere with the production program.



Among the first to turn in their Red Cross collections to Mrs. E. G. Miller, left, chairman of the residential solicitation in the AEC housing area, were Mrs. W. J. Howard and Mrs. E. L. Brawley. They reported generous response by their neighbors, as did most of the other solicitors.

Red Cross Campaign Big Success; On Base Collections Total \$1,000

Residents of the AEC housing area at Sandia Base earned praise from the director of the Albuquerque Red Cross fund campaign this week when they contributed a total of approximately \$1,000 to the Albuquerque chapter.

Gwynn Hoyt, co-chairman of the campaign, visited Sandia last Friday to accept a \$500 check from President George A. Landry as an additional corporation gift.

"The generosity of Sandia Corporation, as well as its employees and the employees of the Atomic Energy Commission, is gratifying, not only to the Albuquerque chapter of the American Red Cross, but to the entire community," Mr. Hoyt declared. He said that the combined contributions give the chapter new hope that the \$69,000 goal for Bernalillo county will be reached. In early tabulations the

amounts collected in downtown residential solicitation had fallen short of expectations, he said.

The residential campaign in the civilian housing area was conducted under the chairmanship of Mrs. E. G. Miller, whose 30 assistants organized a simultaneous doorbell-ringing drive last Tuesday night.

Assisting Mrs. Miller on the campaign were Mesdames D. B. Sparger, J. H. Toulouse, R. E. Winter, R. L. Culley, W. J. Howard, R. A. Frady, E. H. Craven, C. A. Weaver, E. L. Brawley, W. M. Everhart, Richard Richards, C. W. Dickinson, H. B. Bradshaw, J. W. Deer, E. F. Parsons, B. S. Snow, L. J. Biskner, J. H. Kahler, W. L. Paxton, Ernest Peterson, J. A. Hoffman, R. M. Hansen, J. L. Cameron, P. F. Kruse, Monte Lawton, Mr. William Porter, Mr. J. M. Mesnard, Miss Hazel Vance, and Miss Dorothy Briant.

Arrangements have been made by Mrs. Miller to accept contributions as late as Monday, April 2, to accommodate those who were out of town or for other reasons were not reached at the time the house calls were made. Mrs. Miller's Base extension is 24170.

Keeping our nation secure requires eternal vigilance on the part of every loyal American citizen.

Payroll Savings Plan Is Easiest Way to Buy Bonds and Save Money

Sandia Corporation employees can make their dreams become realities. Have you longed to retire someday and have a comfortable savings to fall back on? Have you dreamed of sending your children through college? Would you like to build that home for which you have always yearned? Are you looking for security in time of emergency?

All these things are possible through the regular purchase of United States Government Savings Bonds. And the purchase of Savings Bonds through the payroll deduction plan is simple.

Men and women of Sandia Corporation who are enrolled in The Payroll Savings Plan may buy bonds as fast as they desire. You may set your own goal and save the way you wish. All you do is authorize

Gambrill Is New Superintendent

L. M. Gambrill has been named Superintendent of Staff and Business Methods, succeeding Frank Cowan, who has been on loan to Sandia Corporation from Bell Telephone Laboratories and is returning to New York next week.

Mr. Gambrill, who also came to Sandia from the Bell Telephone Laboratories, has recently been in charge of the organization and operation of the technical college recruiting program for the Corporation.

Murray Hill, New Jersey, was the Gambrills' home before they came to



L. M. Gambrill

Albuquerque in January. Mrs. Gambrill and the three children, Betsy 10, Kim 7, and John 3, as well as Mr. Gambrill, are enjoying the New Mexico winter and have bought a sport model car with a convertible top in anticipation of touring the countryside in the months to come.

In 1938 a Bachelor of Science degree was earned by Mr. Gambrill from Columbia School of Engineering and in 1939 he earned a Master of Science degree in Electrical Engineering from the same school. During two summers between terms at Columbia, he worked for the Western Electric Company and Bell Telephone Laboratories and after his graduate work was associated with the Laboratories full time.

While doing the technical college recruiting work for Sandia, Mr. Gambrill has traveled in 30 states, visiting many of the Rocky Mountain states for the first time.

Music, Mr. Gambrill reports, is his chief hobby, and the hobby consists of listening to music. When in the east, the Gambrills regularly attended opera and many concerts. The family has a library of several thousand records which provide them with many musical hours at home.



R. E. Poole, Director of Development, is justly proud of the plaque attached to the mahogany gavel block on his desk. The inset at upper left is a closeup of

the plaque, presented to him recently by members of the Sandia Weapons Development Board in appreciation for his services as chairman.

SANDIA BULLETIN

Friday, March 30, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



Security Through Cooperation

Sandia Corporation security guards, the men who maintain vigilant watch over the tech area and buildings around the clock and throughout the year, deserve a little study. These courteous and efficient gentlemen are performing a job which has far reaching responsibilities, many difficulties, and little glamour. They need the understanding and cooperation of every employee to do a good job.

Under the direction of Plant Security Department, Sandia Corporation guards are charged with assisting in the protection of Sandia activities against sabotage, espionage, subversive activities, fire and theft. Theirs is the job of assuring the continuous safety of the installation.

That is quite an undertaking. Even if all conditions were ideal, their work would involve many serious problems. But conditions are not always ideal. Nature and human nature seem to conspire against them. Each man must work each of three shifts as his turn comes up. For a month he is on the day shift, then swing, then graveyard, and back to day shift. They are out-of-doors most of the time and assigned to posts where there is little opportunity for movement to keep warm. Guards are on duty every day of the year, through every holiday, on Sunday.

Sandia Corporation employees can do much to help the Plant Security Department fulfill its mission. If all employees understand security regulations and know why they must be observed, the tasks of the guard force will be made less difficult.

Also, if this understanding of regulations is coupled with a will, cooperation on the part of employees with the guards will be assisted. Every guard has his duties to perform and there is a reason behind every request he makes. He doesn't make the rules; he simply tries to enforce them. Cheerful compliance with regulations will make your life easier, security more effective and the guard's job more pleasant.

April Coronado Club Schedule

(Clip this program and save for handy reference)

- Sunday, April 1—Buffet dinner-dance
- Friday, April 6—Square dance
- Saturday, April 7—Spring formal dance, \$1 per couple, \$2 couple non-members. Reservations will be taken up to Friday noon for parties up to 10.
- Tuesday, April 10—Square dance instruction
- Wednesday, April 11—Bingo
- Thursday, April 12—Bridge party
- Saturday, April 14—Informal dance
- Sunday, April 15—Buffet dinner-dance
- Friday, April 20—Square dance with band
- Saturday, April 21—Informal dance
- Tuesday, April 24—Square dance instruction
- Wednesday, April 25—Bingo
- Thursday, April 26—Bridge party
- Saturday, April 28—Shipwreck party
- Sunday, April 29—Buffet dinner-dance

Sandia Corporation Stamp Collectors Will Organize Club

Organization of a Sandia Base adult stamp collection club is underway by several Sandia Corporation employees. First meeting will be held Thursday, April 5, at 7:30 p. m. in one of the basement rooms of the Coronado Club.

The organization was prompted by numerous requests from both military and civilian personnel of the Base. Further information may be obtained from Hoyt Westcott, ext. 28236 or Franklin Barnett, West Lab ext. 26.

All stamp collectors or those interested in philately in any way are invited to the meeting.

Square dances will be held the first and third Friday of each Monday, it was announced last week by "Doc" Rehbeck. The dances will be held in the Coronado Club from 8 to 11 and all interested are cordially invited.

Pat Renschen, secretary to 1270, is now a vacationer. Pat has gone to St. Louis, Mo., to spend a week in her old hometown.

Another on vacation is Imojean Patterson who has taken a week off to visit her family in Oklahoma. Imojean works in 1521.

Personnel of 2461-3 hope to see Frances Winter back at work before too long completely recovered from her operation.

Irene Heck, 2461-3, has been busy lately entertaining her sister and two children from California.

A welcome is extended by 2461-3 to Kay Rivard, an Albuquerque girl, and Mary Schwartz from Denver, Colo.

Cecil L. Johnson, formerly of 1211, is welcomed to 2210; his new shingle will carry the division number 2213.

Gladys Gilliland, 1210, made another trip to California. She was called there when her father passed away.

Alice Underwood, 2263, has gone to South Haven, Kans., to attend her father's funeral. He died in Albuquerque last week after a long illness.

Angelia Schiavo, secretary of Division 2334, is really smiling these days. Her husband has been promoted to major. Major Schiavo is stationed here at Sandia.

Theresa Cook, 2334, had a wonderful Easter. Her husband was home on shore leave.

Several employees of 2330 presented Harold du Bois with some very useful wedding gifts. Shirlene Junie Thompson of Albuquerque became his bride last Friday.

Frances Gross, 2334, and family have moved into their new home at 1135 N. Princeton.

Leta Faber, 2232, recently had a throat operation. Her co-workers are hoping she recovers quickly.

Mr. and Mrs. Bob Bean had their first child, a boy, last week. Bob is in 2230.

Phil Dailey, 2233, who had such wonderful will-power to quit smoking a while back has taken up the habit again. Phil is now losing the weight that he gained.

Vacationers in 2233 include Wayne Brookshire, Bert Folks and Jack McCollum.

W. R. Drake, 2233, went to Tennessee for his vacation and from reports received he has been fishing. On one of his fishing expeditions though, he tangled with a Tennessee catfish and fell over an embankment and broke his knee. He did catch the fish.

Brad Shaw, 2233, has gone to California for his vacation. He is touring the coast.

W. E. Reed, 2230, also chose Tennessee as his vacation spot. Last time he was back there he bought a farm and on this trip he purchased another.

AEC welcomes John J. Ward to Sandia. John is from Berkeley, Calif.

Erma Fauerbach, AEC, reports that the bowling team sponsored by Sports Bowl did all right at the tournament in San Angelo, Tex. They came in second. Erma is a member of the team.

The stork came for the second visit to the Paul Schneiders Monday, March 12. This time it's a girl. Paul is with AEC.

Isabelle Lynch, AEC, has been called to Denver due to the illness of her mother-in-law.

Pete Meigs, 1714, and family have just returned from their Easter vacation trip to visit his sister-in-law and family in San Angelo, Tex. Pete included in his trip the Carlsbad Caverns on the way down and Juarez on the way back. The neighbors were very helpful in that the Meigs say they couldn't have made the trip without boarding out their cat, two pigeons and four goldfish.

Division 1714 bid fond adieu to one tech writer while they welcomed another. Earle George is leaving for Alamogordo after two and one-half years with the Corporation. The newcomer is Ray Poetzl from Chicago, Ill. Ray's wife and two daughters are still in Plymouth, Ind., and will join him here when the present school semester is over. Ray is a graduate of the Armour Institute of Technology which is now called the Illinois Institute.

Carl Rutgerson, 2132, is now in the group of English car owners. He has a new MG motor car.

Department 2130 extends a welcome to Edgar Downing and Earlan Koehler. Edgar transferred from 2413-1 to 2131 and Earl will work in 2133.

Leonard DeLang, 2131, and family have themselves a new home located on Cardenas Dr.

Two ambitious employees in 2132 are Monte Lawton and Bob Ware. They both live on the Base and have purchased new English bikes which they use as transportation back and forth to work.

Dorothy Newby, 2132, and her husband and the Bob Wares spent their Easter weekend in Juarez, Mexico.

Another in the new house category is Margaret Bird, department secretary in 2130.

Employees of 2417-1 are very happy to see Jesse Floyd back on the job. Jesse was called by the Air Force Reserve last September and released from active duty recently.

Sandia Women's Club to See Samples of Art League Work

Samples of work done in the various Sandia Base Art League classes will be shown at the April 5 meeting of the Sandia Base Women's Club at 1:30 p. m. in the Officers' Mess.

There are classes held weekly in gem cutting, textiles, pastel, oil and water colors, silver and copper, leather, and ceramics.

The Art League is dispensing with its business meeting for April and will hold its next meeting May 3.

Notice

Effective April 1 there will be a readjustment of admission charged non-members of the Coronado Club for attendance at the Sunday evening Buffet Dinners.

The new rate for those who do not belong to the club will be \$2.25. If only the dance following the dinner is attended by non-members they will be charged 50 cents. Rates for Coronado Club members and their dependents remain \$1.75 per person for the dinner and dance.

3160 reports that with the coming of spring there seems to be less nose blowing and coughing going on. They say that the two new first aid stations are kept busy in spite of it but urge one and all to report any injury or illness at any time.

R. H. Landes, who has been department head of 3230, was honored at a farewell buffet-supper last Monday evening at the home of Marian Vinson. Mr. Landes is returning east and the 3230 personnel presented him with a memory book of cartoons, poetry and other little items pertaining to his life while here at the Corporation. They also gave him a large cactus garden as a memento of the Southwest.

Department 3230 extends a welcome to Ernestine Lowrey who will be working in 3231.

Ember L. Gunderson, Inspector in 2452 celebrated his birthday March 27. He insists he is 23 years old.

Sgt. Glenn Mackie, 2452, and family have moved into their new home in the Hoffman addition and they are all very pleased with it.

Walter F. Cihak, 2452, is rapidly becoming domesticated. Mrs. Cihak and son Michael departed for Los Angeles last week for an extended visit with her sister.

Fred Mitchell, 4233, his wife and four children, Linda, Cheryl, Judy and Fred, Jr., will be moving into their new home in Hoffman Town this week. The Mitchells came here from Akron, Ohio.

P. R. "Candy" Candelaria, 1210, became the father of a 7 lb. boy in January and Don Skinroot, 1215, also became a proud papa of a 5 lb. 6 oz. boy in January.

Congratulations have been in order for Samuel Moore, 1283, who received his majority in the Air Force Reserve recently.

Betty Johnson, secretary to 1215, worked her last day today. Betty has decided to take her job as housewife more seriously.

The Corporation Guard Force has started organization of a baseball team now that spring is here. Those participating will be Maury Orrell, Richard Benton, Alfred Callegos, Julian Sanchez, James Davidson, Donald Rauch, Bill Hood, Bernard Ellis, Ray Hooper, Roy Brett, Robert Angus, Louis Rowe, Jim Hinson, Ray Brandenburg, Dennis Baca, Ralph Campbell, James Murray and Robert Justice. They are looking for a team manager now and to qualify, one must know baseball well, be able to rule with an iron hand, and must be willing to spend spare time on the sport. Anyone interested should contact one of the above guards in 2452.

Asgard's Frieda, a German shepherd dog, owned by Elva Shuping, 2452, showed herself as quite a champion at the Rio Grande All-Breed Kennel Show March 19. She was awarded six blue ribbons and one trophy. She was selected as best local breeding dog; best local dog at show and took first prize for all German shepherds at the show.

Others showing dogs in the Rio Grande show include Helen Swanson, 4222, who showed her Boxer; C. W. Carnahan, 1130, a Boxer; Glenn Davidson, 1133, a cocker; and B. J. Bittner, 1132, a Boxer. Dave Champaign, 1121, thought it much too cold for his Airedale.

T. S. Church, 1134, at West Lab came to work one day last week all decked out in a cowboy outfit. Co-workers are wondering what happened to the horse.

R. P. Petersen, Director of 1100 at West Lab, was on the sick list last week.

Claudia Sangster recently was transferred from 4211 to 1112 at West Lab. Claudia was formerly the Bulletin reporter over there but says her new job will keep her twice as busy as she was before.



PLAN CORONADO CLUB ACTIVITIES. A newly formed entertainment committee of Coronado Club members met recently to discuss social activities for the next three months. Those attending the meeting are, from left to right, W. E. "Doc" Rehbeck, W. F. Schaffer, Jr., chairman of the committee; A. E. Clamp, Jim Galbreath, Goldie Tibbs, and Hal Gunn, member

of the Coronado Club Board of Directors. Not present were Randy Parsons, Pat Renschen and J. C. Ream. Bill Kraft, member of the board of directors of the Coronado Club who is working with the committee, says a new group will be appointed every three months and the aim in their planning will be to select events which will be of the greatest interest to the most.

Sandia Corporation Artists Are Great Hobbyists When They Leave Work and Go Home for Their Evenings

Fred P. Fay New 3230 Manager

Artists by day and hobbyists by night are the 11 technical illustrators of 2114, who use their creative ability on the job during the day and exercise it with their hobbies during the evenings. On their own time they're leather workers, painters, architects, caricaturists, cartoonists, furniture designers, house designers, sculptors, and fashion designers.

John "Jack" Suttman, section supervisor of the illustrators, has been with the Sandia Laboratory since 1949, and he had previously worked at Los Alamos for three years. Jack is from Enid, Okla., and attended Phillips University there as well as Ohio Wesleyan at Delaware, Ohio, where he majored in art. While attending school in Ohio, he was an advertising free-lance artist and now does all types of painting as a hobby. He has furnished paintings to exhibits in Columbus, Ohio, and also to traveling exhibits in Ohio and Oklahoma.

Another of Jack's hobbies which is a shade away from the art field, is sports cars. He owns an English roadracing MG and likes to race although he never enters any of the big competitions. He says his MG will travel over 100 M.P.H. Jack and his wife, Shirley, have one daughter, Sydney, aged 3.

Carlisle J. Waugh has been working for the project for two and one-half years at Los Alamos and Sandia. He is another Oklahoman, from Henryetta. He studied art and mechanical drafting at Oklahoma A and M at Stillwater and the University of Washington at Seattle.

Carl's hobby in art is leather work. He makes ladies' accessories, handbags and belts and presently has a market for them at Kay Stephens in Santa Fe. He also sells through stores at Sun Valley, Idaho, and Mt. Hood, Oregon. Some of his accessories have been pictured in Vogue magazine and Harper's Bazaar. He has also had his work exhibited in the Arts and Crafts show in the Santa Fe Museum. Carl and his wife, Eldean, plan to make Albuquerque their permanent home.

Leo Ortiz, or as his desk sign reads, Leo "The Ortiz", is a native New Mexican from Santa Fe. He received the major part of his art training at the Frank Wiggins Commercial Art School in Los Angeles and had two years of commercial art work prior to coming to work for the project. Leo started as an illustrator at Los Alamos in 1946 and transferred to Sandia in 1949.

He has done oil portraits, abstracts, as well as commercial pieces which he hopes to sell to magazines some day. While at Los Alamos, Leo painted a portrait of Dr. Fermi, one of the pioneers of the atomic energy program, and the portrait was shown in the Santa Fe Museum. He has painted abstracts of the Santa Fe fiesta and as soon as he gets enough of them together, he says he will exhibit them in Santa Fe.

Darrell "Burch" Burchfield has been with the Corporation for only five months but has worked at Sandia Base for the army for two years. Burch received his art training at the American Academy of Art in Chicago and worked in a studio of commercial art while attending school. During the war, Burch was an aerial gunner on a B-24 in the Eighth Air Force and he found his ability with the brush very useful in painting the leg-art on the noses of their planes.

Burch was born in Madisonville, Ky., but his family moved to Albuquerque soon afterward. In 1938 while at Albuquerque High School he won honorable mention in the American Youth Forum competition which was sponsored by American Magazine. His entry was a symbolic painting of "This Is My America."

Prior to working at Sandia, Burch had his own commercial art business in Albuquerque. He now spends his spare time painting in his studio at



Technical illustrators, 2114, who use their creative ability for their jobs as well as their hobbies are front row, left to right, Malcom Hamm, Darrell Burchfield, Joan Palmer, Lamona C. Martin, secretary for the illustrators holding Leo Ortiz's portrait of

Dr. Fermi, Leo Ortiz, and Henry Gallegos. Back row, Carlisle J. Waugh, Charles E. Spriggs, Yale Knox, Cecil Kinney, and Jack Suttman, section supervisor. On the wall are two samples of their hobby-time art work.

home and is working on a commercial impression of the Old Town Plaza. He hopes to do a series on New Mexico. One of his paintings, a mural-like impression of race track spectators, was shown in the Old Town Art Show last year. Margie, his wife, and little son, Jerry, who is almost 4, make up the rest of the Burchfield family.

Charles E. Spriggs came to Albuquerque two and one-half years ago from Kalispell, Mont., and has been working for the Corporation for about two months. He was formerly employed by an architectural firm in Albuquerque. Charlie was graduated from the University of Montana with a B.A. degree in fine arts and keeps himself busy in his spare time doing portraits. His painting of a Panamanian child in native costume was on display at the New Mexico State Fair last year. In addition to painting portraits, Charlie is a sculptor and painter of abstracts, general composition and fresco. Many of his art pieces have been shown in Montana art galleries.

The Spriggs, being of Irish descent, have given all five of their children "good old" Irish names. Tara, Sean, Brian, Kevan, and Brenna, range from six years down to one, in that order. Although he has five good models at home, Charlie says he never does any paintings of his own children.

Henry G. Gallegos, a native of Albuquerque, uses his artistic ability to design and make modern furniture. One of his favorite pieces is a cartouche-shaped coffee table made of Philippine mahogany. He also does oil paintings of landscapes and animals as the outdoors is a great love of his. As a diversion from his painting, he likes to hunt and fish.

Hank used to be an expert in the manly art of self-defense also. In 1933 he won the New Mexico State High School boxing championship as Albuquerque High's entry. In 1936 he competed in the Golden Gloves Tournament which was held in Durango, Colo. He lost the championship bout by a close decision.

He started with the Corporation two months ago as an illustrator and before then worked as a window trimmer and display man for department stores. He received his art training at the Art Center of Los Angeles and also took courses in engineering at Compton Junior College in California and the University of California at Los Angeles. During the war, he did map work for the Army Engineers in Washington, D.C.

Hank and Bebe, his wife, have three children, Richard, 10; James, 6, and Lynette, 3.

Malcolm "Mac" Hamm is from Perry, Okla., and has been with the Corporation for about one month. Mac attended Kansas City Art Institute and has had work exhibited there. He presently has a sculptured

abstract head on exhibit at the Institute. Mac's hobby centers mostly around ceramic work although he does do some watercolors.

Joan "Jody" Palmer is the only feminine illustrator in the group, and has been an illustrator with the Corporation for six months.

Prior to coming to the Southwest, Jody worked in the art departments of the Herald-American and also the Sun-Times in Chicago, doing advertising layouts. She attended the University of Iowa from 1944 to 1948 where she was graduated with a B.A. degree in fine arts.

Jody's hobby includes naturalistic painting and fashion designing. She uses the gouache technique in painting landscapes and has had her art work shown at the Joslyn Memorial in Omaha, Neb., and in the Northwest Territory exhibit at the Springfield, Illinois, State Fair.

Joan is also a musician. She played the trumpet with the University of Iowa symphony while there.

Her husband, John Palmer, 2110, is not an artist, but does appreciate her work and Joan says he is one of her best critics.

Cecil Kinney is another Oklahoman from Maysville, and attended the University of Oklahoma where he received a Bachelor of Fine Arts degree. Before World War II, Cecil worked for the Maysville Weekly News where he was printer, compositor, advertising layout man and also writer. He now spends his spare time as an amateur cartoonist. While at the University of Oklahoma, he was cartoonist for the Oklahoma Daily and won a safety cartoon contest for college newspapers and received \$100 for his editorial cartoon. Cecil has been working for the Corporation for several months now.

Yale Knox of Elmira, N.Y., has been an illustrator for the Corporation for two years. He, his wife, Frances, and their two children, Sandra, 9, and Terry, 4, have been in Albuquerque since 1946.

Yale received his art training at the Art Institute of Chicago and the University of New Mexico. His hobby is painting landscapes in oil and wash and designing and building model homes. While at the University he had some of his paintings on exhibition.

A discussion of the section would not be complete without mentioning Lamona C. Martin, section secretary. Lamona is from San Luis Obispo, Calif., and says that although she is not an artist, she appreciates the creative work done by the illustrators. Lamona's husband, Ernest, is with AEC and the Martins have two children, Lorean Le, 2, and Mark Randall, 1.

It would seem that each member of this talented group has enough outside interests to occupy all their

spare time but evidently not. Several of them have collaborated recently on a new hobby. When the City of Albuquerque held an auction of land a while back, they purchased two blocks of lots and Jack Suttman has designed a basic house plan. The Palmers, Suttmans, Waughs, Knoxs and Leo Ortiz are now making arrangements to build five homes. They are going to contract the structural work but will do the interior and cabinet work themselves.

Employees Take Up Pistols And Rifles for a Hobby

Circle-10 Rifle and Pistol Club, all members of which are employees of Sandia Corporation, has been organized and affiliated with the National Rifle Association. The club plans to train and enter teams in competition with other organizations.

Lloyd O'Neal, 1810, has been elected president of the club and the other officers, all of 2452, are: Ernest Crenshaw, vice-president; Tom Wright, executive officer; C. B. Kraus, chief inspector; and Jeff Gammon, secretary-treasurer.

Present membership totals 26, and officers of the group hope to increase this total to at least 50. Those who join the club must furnish their own pistols and revolvers. The National Rifle Association is providing the club with rifles for use on the range which is to be provided by the Army.

Cooperation with Security Guards of Sandia Corporation will help improve the security program for Sandia Laboratory.

Fred P. Fay has been appointed manager of Department 3230 effective April 1 to fill the vacancy left by the departure of R. H. Landes who is returning to Chicago to resume his duties with Western Electric Company.

Fred came to Sandia Corporation from Allentown, Pa., where he was employed at the Western Electric Company's new plant at that location. Mrs. Fay and his three children, Janis 12, Judith 8, and Ricky 3, came to Albuquerque with him in March, 1950, and they now live on Sandia Base.

Cambridge, Mass., was Fred's original hometown. He graduated from Massachusetts Institute of Technology in 1932 and in 1937 he started work for



Fred Fay

Western Electric Company. He has worked in the wage incentive, engineering and manufacturing departments of the company.

Service with the company took him to posts in New York and Kearny, N. J., before going to the Allentown plant. While in Pennsylvania he made his home in Bethlehem.

A popular winter pastime for Fred is bowling and he is member of a Sandia Corporation team which is only a few points out of first place in his league. When spring arrives he moves his sports activities outdoors and likes to play golf on the University of New Mexico course.

"Back when I was young," Fred reports, "I used to enjoy dabbling in music." Soon after he completed college he played with several dance bands and for a time was one of Red Nicholls' "Pennies" of popular music fame. "I played the cello and base fiddle then," he says.

The Fays received a typical spring-time welcome to New Mexico when they appeared March 9 of last year. They stepped off the train into a good Southwestern duster. Today the Fays are highly pleased with New Mexico climate and the youngsters are reveling in the year-around out-door weather and they feel like a million dollars.



COMBINED STYLE AND SAFETY. Smashed toes are a thing of the past if you wear safety shoes, a few styles of which are displayed by Earl R. Johnson, 3123-2. Featuring steel toe caps, these shoes are a necessity for workers who might receive foot injuries from falling objects. Earl holds a black boot, model 799, which sells for \$11.85. The shoes on the table, from left to right, are: No. 719, \$10; No. 798, \$12.60; No. L619, \$8.57; No. 714, \$8.37; No. 718, \$7.75; No. 717, \$6.74. Most common sizes of these shoes are in stock and other sizes can be ordered. The shoe store is in building 857 and purchases may be made by any employee of the Corporation, regardless of job.

Need for Engineers, Scientists Prompts Active Recruiting

A dwindling supply of students graduating from colleges of engineering and an increased demand by industry for men with engineering degrees has prompted Sandia Corporation to expand its technical college recruiting program.

A business writer for the New York Times in November predicted that 32,500 engineering students would be graduated in 1951, 21,900 in 1952, 17,000 in 1953, and 12,500 in 1954. The demand this year, the Times says, will be for at least 21,000 engineers.

As defense industries swing into high gear, the demand for engineers will remain at a high level and the supply of graduates will decrease. By 1954 there will be an accumulated shortage of 45,000 engineering graduates, reports the Cleveland Press.

That is the problem facing Department 3150, headed by R. B. Powell, which has organized the technical recruiting program and guided it through the months of its existence. The Professional Employment Division is headed by W. G. Funk.

The task confronting the department's staff in carrying out the project is to secure for Sandia Corporation men with high scholastic records and other exceptional personal and professional qualifications. For assistance in this program the Corporation has

called upon the College Relations Department of the Bell Telephone System. L. M. Gambrill was "loaned" by the Bell System to assist in the planning, scheduling, and interviewing arrangements for visits to many of the 45 colleges which have been visited recently by Sandia recruiting teams.

Members of the Employment and Personnel Department who have participated in the recruiting, in addition to Mr. Powell and Mr. Funk, are James G. Hinsdale, James T. Brown, and Henry B. Harding, ably assisted by Mr. Gambrill.

Technical staff members who have assisted are R. A. Bice, L. A. Hopkins, Jr., G. P. Stobie, G. A. Fowler, G. W. Rodgers, L. J. Paddison, and C. H. DeSelm. Several others are going to participate in the program in the future.

In addition to Personnel's recruiting program, representatives of Sandia Laboratory research organizations have made visits to schools in search of people to fill their own needs for highly trained specialists in the fields of physics and mathematics.

The recruiting program is planned to find exceptionally well-qualified men in engineering, physics, and mathematics who have graduated with a bachelor or master's degree and in

some cases men who have earned their Ph. D. degree.

Personnel secures the names of the men and a summary of their qualifications through personal interviews and places the records in a pool. From this pool of a great many names, the best qualified are selected. In this manner the "cream of the crop" may be secured to work at Sandia.

Mr. Funk and Mr. Gambrill report that although Sandia Corporation is young and not widely known or well understood, young engineers and scientists throughout the country show much interest in coming to work here. They are interested not only in the unique work done in the Laboratory, but also in the advantages of the Southwestern climate.

There will be a Friday-the-13th in April, another one in July and one in June, 1952. Whether or not you are superstitious you can whip the accident jinx by carrying two open eyes, two careful hands, two steady feet, and one head loaded with common sense and safe practices.

Use the payroll-deduction plan for buying your bonds. It's easy to save the payroll-deduction way.



C. A. Strange lifts the hood on his new English-made Jaguar and displays the 125-horsepower six-cylinder engine. Chuck likes his cream-colored speedster, which is about the fastest car on the road.

Classy English Coupe Provides Plush Rides For C. A. Strange Family

Straight from England comes C. A. Strange's new 125 horsepower cream colored Jaguar. Chuck, 2110, is breaking in the engine of the car and has not reported how fast it will go, but the speedometer will register up to 120 miles an hour and the car is supposed to have a cruising speed of about 100 miles an hour.

The convertible coupe will comfortably carry five passengers, so

Chuck's wife and two children can also enjoy the car. The dashboard is of highly polished walnut and the tool case, believe it or not, is apparently velvet lined.

The car has six cylinders and four forward speeds. The gear shift lever is about a foot long, and is located on the floor instead of the steering column. The interior of the car is as plushy in appearance as the outside, and Chuck has in mind many pleasant hours of cruising around New Mexico in this foreign version of riding comfort.



Sandia Corporation employees hit the books at The University of New Mexico in a night class in mathematics. Members of the class are: first row, left to right, Robert Creveling, 1112; A. J. Eldridge, Albuquerque; W. P. Thomas, 2112-2, and Woodrow Black,

1130. Second row, J. C. Connell, 1512-2; A. E. Aas 1621-3; J. R. Cejka and W. S. Stotts, Albuquerque. Back row, E. G. Miller, Auxiliaries Department, 1282; Prof. Allen D. Wooten, class instructor, and F. M. Palmatier, Albuquerque.

On the Job by Day—at School in the Evening

The never-ending quest for knowledge leads many Sandia Corporation employees into University of New Mexico classrooms after working hours. The accompanying photographs show a few of the Sandians who are spending many of their spare hours each week in classrooms and laboratories on the campus.

Close cooperation with officials of Sandia Corporation has been given by President Tom L. Popejoy of The University of New Mexico. President Popejoy has arranged to have classes scheduled so that Sandians may attend credit courses without missing work.

During each term the University makes available courses which are desired by a sufficient number of Sandians. The courses offered are enlarged as the demand increases.



Studying microwaves are these Sandia Corporation employees, enrolled in the evening class in Electronics and Microwaves at the University of New Mexico. From left to right around the machine are E. G. Miller, 1282; Captain John L. Crone, Sandia Base; George Arnot, 1110; Woodrow Black, 1130; Robert Creveling, 1112; B. J. Bittner, 1132, and Professor Allen D. Wooten.



Four Sandia Corporation employees cope with the problems of calculus in a night class at the University of New Mexico. At left are S. S. Locus and Louis L. Fisher, both 1132, Albert Goodman, 4232, and C. A. Wells, 1511. At the right is Prof. James Beach of The University faculty, who teaches the class.

One Way to Get a Home Is to Build It

Hard Work and Long Hours Will Turn the Trick

Vacations, weekends and many evenings during the past three years have been devoted by a Sandia Corporation employee and her husband to building a home. Mr. and Mrs. Harold Cripe have worked long and hard constructing their house on Wyoming Avenue near Sandia Base and report the project isn't complete yet, but they have moved in.

Mona, who works in 3152-2, and Harold started building the home in April, 1948, before they were married. The first work tackled on the project was digging a trench and running a water pipe from the main in the street to their home site. Next step was the clearing of weeds and boulders from the lot. This manual labor lasted several long days while Harold took time off from his business which is the operation of a trailer supply store in Albuquerque.

The task of building their home progressed through the phases of pouring footings, laying cement blocks, roofing, flooring, and many other tasks. Only because the law required licensed plumbers and electricians did Mona and Harold hire professional help. Other members of their families helped with various phases of the heavy work which progressed somewhat faster during the five weeks leave which Harold took from his store. Mona's help was supplied after office hours and on Sundays.

In July, 1948, Harold and Mona were married and in August they moved into their new home. "There was no city electricity," Harold reminisces, "and we were depending on a small balky gasoline power plant which had only enough power to keep a few light bulbs burning." It was several months before city power lines were run to their home and it was finally sufficiently illuminated.

"How much we enjoyed that modern convenience, cannot be imagined," Mona says, referring to the happy day they turned on city electricity. Today the house is equipped with delayed action light switches which allow a person to turn off a light and get out of the room before it is dark.

After they moved into their new home, painting and work on improvements continued and is still in progress. Harold and Mona have just about completed a garage, new yard wall, and for two summers have been enjoying a covered patio with an outdoor fireplace.

Their home has a corner fireplace which is the type that forces heat into the living room. Windows in the living room and kitchen are plate glass and do not open. The house is air conditioned and Mona says in spring and summer it is cool and free of dust. Harold has built much of the furni-

ture in their home including a beautiful birdseye maple radio-phonograph-recording machine and an illuminated gun cabinet which houses a fine collection of domestic and foreign pieces.

It has been an uphill battle to get a lawn, according to Mona, but the new wall, a recently planted hedge, and twice as much grass seed as is recommended, is resulting in a rich growth of grass. Harold and Mona have installed a sprinkling system to help out. Before the lawn could be put in, they moved in enough dirt to make an 18-inch fill in the 50 by 140 foot lot.

Building their own home has been a tremendous amount of work, they admit, and at times it was discouraging. However, Harold and Mona look mighty content in their home today and their years of work are being justified by happiness, comfort and security they now enjoy.



Here is the home of Mr. and Mrs. Harold Cripe which they built with their own hands. They are still working on the home and are about to complete the new garage seen at the left.



Harold and Mona Cripe take a little time for relaxation in their home on Wyoming Avenue. They are enjoying any leisure time they may find in their home which they have been working on for three years.

Bingo Winners

Sandia Corporation employees and family members who were winners at recent bingo nights at the Coronado Club include:

- Mrs. E. W. Peirce, Cavalier copper shell
- Mrs. W. M. Kidwell, travel case
- Mrs. Robert Borah, picnic set
- Roy Hansen, bathroom scale
- Richard Gallegos, china lamp
- Clyde Northrup, pair purofoam pillows
- Mrs. Donald White, silver set
- G. H. Mauldin, automatic coffee set
- Mrs. John Palmer, dish maid
- Mrs. E. W. Peirce, \$10 cash
- Mrs. J. A. McIntire, combination bed lamp and radio
- Mrs. Jack England, poker rack with chips
- D. R. Kirby, deep freeze unit
- Roy C. Hanse, \$5 cash
- Helen Culley, \$5 cash
- Donald R. Collins, \$5 cash
- Tommy Harris, \$1 cash



Posing for the photographer in Helen Swanson's hands is one of the three Boxer pups born of Country Miss of Research, her 5-year-old Boxer. In Helen's lap are the other two "classified" pups who can't be bothered with such trivial activities.

Three Classified Puppies Enter World

Sandia Employees To Purchase Dogs From Helen Swanson

Confidential, Secret, and Top Secret are strictly meant to be kept under lock and key, but we've found an instance where these classifications have literally "gone to the dogs."

Helen Swanson, 4210, at West Lab, can show you the proof. She has three 3-weeks-old Boxers called Confidential, Secret, and Top Secret.

Helen explains that her reason for classifying the pups instead of naming them came about when she found she had received her first security violation the day the pups arrived. She says she was so excited and anxious to get home that night to see them that she slipped up on a regulation.

Country Miss of Research, the mother of the pups, and Eight Ball of Foggintown, the father, don't appreciate the significance of the titles, but at least they should be happy that they didn't have four offspring, in that "For Official Use Only" would be too much for any size Boxer, let alone a pup.

Helen and her husband, Stan, who works in 1281, started raising Boxers when they were in Detroit, Mich., and they have 16 trophies won in different shows around the country. They've been in Albuquerque for three years. Country Miss of Research, or Missey for short, was the best in show at the Specialty Show of the New Mexico Boxer Club held last summer.

The Swansons have seven dogs in all—the three pups, the mother and father, Night Flight, another show Boxer, and a French poodle called Roulette of Swan Oaks. The poodle boasts 13 of the 15 points needed for championship.

Helen and Stan are making sure that Confidential, Secret, and Top Secret don't get in the wrong hands. Two of the pups have been spoken for by Corporation employees, R. A. Bice, 1210 and J. O. Davis, 1281. The Swansons might keep the third one for themselves.

By using first aid instead of endurance
Your family has you instead of insurance.

Weddings and Engagements

Jean Ancona, Document Department, 2460, will be married to Henry Goldberg today at 4 p. m. at the home of Dr. and Mrs. T. M. Pearce on Sigma Chi Road. Jean has worked for the Corporation since December 1949. Her



Ancona Marchionda

fiance is an accountant with Linder, Burk and Stephenson Accountants. The Goldbergs will make their home at 1823 E. Silver.

Mary Marchionda, Project B and D Department, 1240, has announced her engagement to Duane Anderson, AEC. Mary and Duane plan on having a June wedding.

Keeping vision correction glasses and safety goggles clean helps you see better, and also helps your glasses and goggles do a better job of protection for you.

What Is Your Opinion ...

What Makes a Good Sunday Dinner?

ELWIN E. CHESTOR, 1510. I like one that is different from the ordinary meals of the week. A good salad—lettuce and tomato, tossed; meat and potatoes, no particular kind of meat, just so there's plenty. I like hot rolls, biscuits or corn bread, anything other than bakers' bread and something a little unusual in desserts—strawberry shortcake along with coffee.



BOB BLOUNT, 4130. I have two preferences, one for dining inside and one for the out - of - doors. Indoors, I would choose the buffet dinner at the Coronado Club and instead of a choice of meats, I'd take all three, beef, ham and turkey along with some cottage cheese salad. For outside, I'd want a sirloin 3/4" thick, broiled on an open fire—about 10 ounces worth. Some French fries and a glass of cold fruit juice to awaken you to fully appreciate the steak. Dessert is too hard to fix in the mountains.



LEVI E. BACA, 2410. Oh, I think fried chicken would be good, and everything that goes with it. French fried potatoes, string beans, peas, and for dessert, ice cream. Also coffee. I guess that's the works.



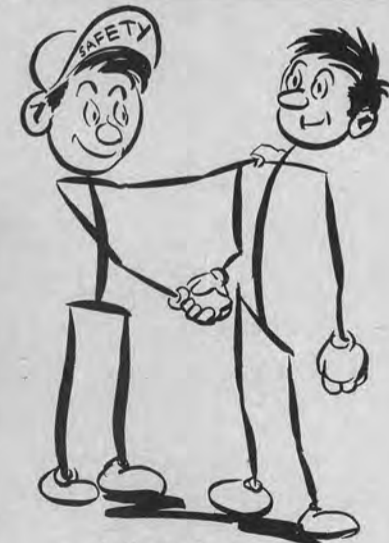
BARBARA FROST, 1510. I think when women work that a simple meal usually doesn't take up too much of their leisure time on Sunday. I usually make a point to have something a little out of the ordinary, just because it's Sunday. My husband likes chicken and dumplings and I usually bake either a pie or a cake on Sunday.



MARY ALICE FITZSIMMONS, 3150. A standing rib-roast with a tossed salad and Roquefort cheese dressing. Of course, this could be for any day. Mashed potatoes and gravy, French-cut green beans and hot rolls and jelly. For dessert, home-made lemon sherbet made in an ice cream freezer.



CHRIS FORNES, 1620. My favorite meal for any day is steak and mushrooms with French fried potatoes. I like a salad, preferably cottage cheese, and then coconut cake for dessert. Coffee, of course.



A tip on how
To be respected
See that safety's
Not neglected

Here's how you can help have a safe place to work and how you can keep it that way.

Be sure you know how to do your job safely.

Leave repair jobs to those authorized to do them. Don't tamper with wiring or machines.

Use the protective equipment provided.

See your supervisor if you have any questions about your job.

Our Secretary, Miss Jones

By Nadine Hall



Has my magazine come this month, Miss Jones?



What do you think of these jokes I put in my speech, Miss Jones?



My Dictaphone seems to be broken, Miss Jones!



We really got out a lot of work last night, Miss Jones. We should work more in the evenings.



Are you ready now for dictation, Miss Jones?



Would you mind doing a little more copy work, Miss Jones?



Do you like candy, Miss Jones?



Miss Jones, did you make those three extra copies I asked for?



Are you busy, Miss Jones?



Miss Jones, do you know where my cigars are?



Make that 10 copies instead of eight, will you, Miss Jones?



I hope you haven't typed that 20-page report yet, Miss Jones. We won't need it.



Are you unhappy about something, Miss Jones?



How do you spell "torque," Miss Jones?



"I would have called you earlier, but Miss Jones just gave me your message!"



Miss Jones, would you mind working a little overtime tonight?



"Miss Jones would be glad to type it up for you!"



Er—in case my wife calls, Miss Jones, you might mention that I worked last night.



What did you want to see me about, Miss Jones?



You may take the rest of the day off, Miss Jones!

—Courtesy Westinghouse News

Corporation All-Stars Place Second to AF In Base Tournament

Corporation All-Star Cagers came within three points of winning the Base Basketball championship in the tournament held last week at the New Base gym.

They downed the Army aggregation by a score of 38-27, the Navy team 38-32, but dropped a heartbreaker to the Air Force to the tune of 37-35.

The Air Force contest was a real thriller. Getting off to a slow start and having some very tough luck on their shots, the Corporation team found itself trailing by 14 points at the end of the third quarter.

The last 8 minutes produced some of the most exciting basketball seen on the Base this season. Playing their hearts out and fighting desperately every second of that last quarter, the Corporation boys gradually closed the gap and pulled to within one basket of tying the contest as the final gun sounded.

All the Corporation players showed themselves well. Leading scorers were Val Black, 1211; Bob Black, 1121; Jim Hinson, 2450; Lee Schulz, 1211; Charlie Chavez, 2410, and Jimmy Winters, 2410.

Charlie Monroe, 2410; Sam Tabet, 2410; Ernie Alfred, 2410, Chet Clyde, 1210, and Leo Gutierrez, 1121, played bang-up floor games and contributed greatly to the team's victories.

Oliver Bashor, 1211, the genial coach and playing manager of the All Stars, deserves a world of credit for his work in whipping the team into shape and for his playmaking while on the floor.

Fishing Expedition Down Mexico Way Is Exciting Experience

Three Sandia Corporation employees recently completed a fishing trip to the Gulf of California and came back with stories of picking oysters off of trees, catching a fish which looked like a bellboy with a bow tie, and buying a filet mignon steak for 75 cents.

J. W. Gray, Jr., his young son, Jackson, and F. C. Alexander, 4231, and Dave Park, 1511-1, accompanied by Tom Schamaun, a resident of Albuquerque, are the men who went to the seldom visited Kino Bay area and returned with a good growth of beards and many an interesting tale.

The men left Albuquerque on a cold February evening and drove to Hermosillo, Mexico, before stopping the next night. The following day, after battling miserable unmarked trails, they arrived at the village of Kino on the Gulf of California where the water is "the next best thing to Chesapeake Bay," according to the fishermen.

After experiencing the usual fisherman's luck, they did catch a good supply of small sharks, sea trout, trigger fish (which look like an upright flounder with buck teeth) and small octopuses. Natives of the village prepared for them several meals of crab meat and they made oyster stew. Those were the high spots of the eating end of the venture.

The tale of picking oysters from trees arises from the fact that at high tide the oysters clamp themselves on small trees or shrubs which stand in the water's edge. The fish with the bow tie was called a "guitar fish" and had a near-human appearance in what might be considered its face.

The fishermen report that they liked what they saw down there and all hope to get back to the Gulf of California and the primitive little village. They also relate that on their return after the week-end jaunt, a bath and bed never felt better.

Providing security for your future means peace of mind today. By using the payroll savings plan you may buy a bond a month and in 10 years your dreams may become realities.

Last year the American Red Cross issued 728,600 swimming certificates to persons who had completed courses in swimming and lifesaving.

A Sandia Corporation employee who does his job well and stays at it contributes to the safety of his country. In these critical days the United States needs the help of every loyal citizen.

Hickey, 26149; Bob Book, 22239; Dan Freshman, 24249, or Paul Pierson, 28248. It is planned to have another meeting of the committee on April 9 at 7:30 at the Coronado Club in order to elect officers and plan the league.

Blind Bogey for Golfers April 8

At a meeting at the Coronado Club on March 22, preliminary plans for a golf league were discussed. It was voted by the Golf Committee that a league composed of three-man teams be formed and matches be played on a handicap basis.

The formation of teams will be arranged by Corporation employees and those not able to form a team may submit their names to the Golf Committee listed below which will assist in forming teams.

A blind bogey tournament will be held on April 8 to establish handicaps. In order to make starting times and effectively plan the tournament, it is requested that all those interested in participating pay their green fee, \$1.50 plus 25 cents for prizes on or before April 2.

It is also requested that all score cards be turned in before play starts so that the committee may establish a fair handicap for everyone.

It is tentatively planned to schedule the league play in the evening, leaving the weekends open for tournament play and matches with other golf clubs.

For further information on the golf league and tournament play, please contact any of the following: Joe

Sandians Will Ski at Sun Valley Resort

Several Corporation and AEC personnel will be skiing and enjoying the scenery at Sun Valley, Idaho, next week. About 20 members of the Albuquerque Ski Club are going and they are chartering a bus for the trip.

Included in the party will be Laverne Knudtson, 2564-1; Cecil Page, 1251; Irene Kross, AEC; Chic Farwell, 1251; Sybil Milligan, AEC, and Jay Stribling, 1251.



F. C. Scott, 2412, tested his lies with other top-notch fibbers at the 1951 Game Protective Association banquet recently. Here Scotty spins the yarn of a hunting expedition and its trials and tribulations which were completely ironed out by a doped buck deer, eels with lockjaw, and a gismo of his own creation which was produced by crossing, among other things, a bumble bee and a Piper Cub airplane. Scottie's tall tale was topped by another prevaricator, but the audience was fascinated with his hilarious story.

Bowling Leagues

INDIAN LEAGUE

TEAM STANDING

Team	Won	Lost
1. Mohawks	68	24
2. Zuni	60	32
3. Crees	55	37
4. Potawatomi	49	43
5. Navajo	46	46
6. Hopi	39	53
7. Apaches	31	61
8. Comanches	21	71

TEAM AND INDIVIDUAL

High team, three games, Hopi, 2636
Second high team, three games, Crees, 2553
High team, one game, Mohawks, 938
Second high team, one game, Hopi, 920
High individual, three games, Hess, 609
Second high individual, three games, Culley, 604
High individual, one game, Culley, 275
Second high individual, one game, Duggin, 229

TOP 10 AVERAGES

Duffield, 174; Whitney, 168; Mills, 168; Nogle, 167; Northrup, 163; Gray, 162; Palmer, 162; Parsons, 162; Gasta, 161; Priore, 161; Hassebrook, 160; Malley, 160; Robertson, 159; Horne, 159; Leonard, 159; Showers, 159; Schaap, 159; MacNeill, 159; Redburn, 158; Deutschle, 157; Baumgartner, 157, and Ortiz, 157.

INSECT LEAGUE

TEAM STANDING

Team	Won	Lost
1. Scorpions	62	38
2. Centipedes	60	40
3. Fireflies	58	42
4. Roaches	50	50
5. Lady Bugs	50	50
6. Black Widows	44	56
7. Beetles	42	58
8. Hornets	33	67

TEAM AND INDIVIDUAL

High team, three games, Centipedes, 2096
Second high team, three games, Fireflies, 2066
High team, one game, Centipedes, 745
Second high team, one game, Scorpions, 744
High individual, three games, J. Partch, 526
Second high individual, three games, M. Dixon, 515
High individual, one game, P. Fink, 229
Second high individual, one game, J. Partch, 202

TOP 10 AVERAGES

Walker, 151; Fink, 148; Partch, 147; Frizzell, 140; Schultz, 139; Drake, 138; Brown, 137; Hahn, 136; Brewster, 136; Dixon, 135, and Parsons, 128.

JUNGLE LEAGUE

TEAM STANDING

Team	Won	Lost
1. Bears	61	43
2. Lions	60	44
3. Wild Cats	60	44
4. Rabbits	60	44
5. Mustangs	57	47
6. Panthers	49	55
7. Lobos	35	69
8. Gophers	34	70

TEAM AND INDIVIDUAL

High team, three games, Bears, 2651
Second high team, three games, Rabbits, 2615
High team, one game, Rabbits, 965
Second high team, one game, Lions, 957
High individual, three games, Campbell, 601
Second high individual, three games, Anderson, 599
High individual, one game, McGovern, 277
Second high individual, one game, Campbell, 254

TOP 10 AVERAGES

Collins, 182; Campbell, 172; Dadian, 169; Frantz, 168; Cook, 167; Mills, 166; Dierks, 165; Stradford, 162; Cone, 161; Anderson, 161, and Grote, 160.

RIDES WANTED

12th and Foraker Road. F. G. Gabaldon, ext. 29144 or Alb. 3-8141.

Vicinity of 10th and West Central to vicinity of Sandia Base Post Office. J. Pupelis, ext. 3245 or after 5, Alb. 2-5185.

4400 E. Central one block North, by El Sombrero, to and from work. Dea Psachos, ext. 21250, Bldg. 860.

Vicinity of Little Theater on San Pasquale or 1900 block West Central. Evelyn Buchanan, ext. 5145 or Alb. 2-1865.

612 N. Broadway, half block south from Sanitary Laundry. Lucille C. Montoya, ext. 5147 or 28256.

2006 S. Edith or Edith and Gibson. Ida Mae Bowling, ext. 5147 or 28256.

Vicinity of Forrester and New York, 5 days per week, 8 to 5 working hours. Pat Griffin, ext. 21134.

Coal and Girard, one or two rides, Norwood, ext. 25157.

Vicinity of 2915 Perea Rd. Ruth Acher, ext. 25235.

New York and Highland Road, Joseph Pitti, ext. 29242.

710½ W. Lead, evenings only. Delores J. Murphy, ext. 7213.

517 W. McKinley Avenue (1400 block No. 4th). Raydene Forst, ext. 6154, bldg. 892.

310 W. Santa Fe, vicinity of South Fourth and Coal. Lillie Robles, ext. 29254.

Girard and Santa Clara Drive for two. Hof, ext. 33245 or Alb. 5-6848.

RIDERS WANTED

Pick up along Sunset or Coors Roads, Central or New York through town. Poin-dexter, ext. 5137.

WANTED TO BUY

Car top luggage carrier, basket type. W. E. Holder, ext. 25151 or Alb. 2-2183 after 5.

FOOTBALL LEAGUE

TEAM STANDING

Team	Won	Lost
1. Red Skins	76	28
2. Packers	65	39
3. Forty Niners	58	46
4. Cardinals	57	47
5. Rams	51	53
6. Dons	37	67
7. Eagles	36	68
8. Colts	36	68

TEAM AND INDIVIDUAL

High team, three games, Cardinals, 2600
Second high team, three games, Red Skins, 2582
High team, one game, Red Skins, 904
Second high team, one game, Cardinals, 893
High individual, three games, Johnson, 626
Second high individual, three games, Eifert, 618
High individual, one game, Eifert, 268
Second high individual, one game, Atkins, 246

TOP 10 AVERAGES

Johnson, 178; Heineken, 175; Northrup, 174; Atkins, 167; Malley, 163; Parsons, 162; Sparger, 162; Brewster, 161; Reed, 159; Eifert, 158; Simpson, 158; Mahoney, 157, and Hepplewhite, 157.

Classified

Classified advertisements to be published in the BULLETIN must be received in writing in the BULLETIN office at least one week prior to publication date. Classified advertisements cannot be taken over the telephone. Include your name and your Base extension number.

FOR SALE

.270 caliber rifle, in new condition, Target Barrel, \$125. Will trade for .300 Magnum or good German rifle of commercial manufacture. L. H. Ladd, ext. 24251.

Ladies brand new 26" Schwinn bike, \$42.33. Jacqueline Downing, ext. 26149.

Portable washer with ringer, \$15. Frank O. Sandoval, ext. 25140 or Alb. 5-6708.

Phonograph, single speed, leather cased, complete with over 1500 new needles, \$9. Harry A. Weber, ext. 25143 or 7151 or Alb. 5-5090.

Gas range, very good condition, Charles Grassham, ext. 22142 or see at 925 S. California.

1942 Chev. club coupe, good condition, new tires, heater, \$495. C. M. Dixon, ext. 3141.

1947 Hudson commodore six, 4 dr. sedan, perfect condition throughout, below ceiling, \$875. C. M. Dixon, ext. 3141.

Large wardrobe trunk, good condition, Patricia Blake, ext. 25153 or see at 2332 Hoffman, Inez Addition.

Bicycle, man's lightweight frame, Rollfast, 6 months old, \$30. R. A. Ware, office ext. 21158 or home ext. 21275.

Two-wheel Trailer, hitch, cover and spare tire. Ext. 52545 or Alb. 5-9163 after 5 p. m.

14-foot Lone Star aluminum boat, perfect shape. Oars included, \$150. Vince Melillo, ext. 3245 or 28153 or see at 151 Willow Rd.

SANDIA BULLETIN

Vol. 3, No. 8

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

APRIL 13, 1951

"The Great Leland" Has Put Down the Wand To Work with Department 1134

Many years ago in Enid, Okla., Thurston, the famous magician, appeared on the vaudeville stage for a week run. In the audience every night was a nine-year-old boy. At the close of Thurston's Enid appearance, young Leland Sangster knew every trick of the great master and decided to become a magician himself.

Today Leland Sangster is employed by Sandia Corporation in Division 1134, and has behind him a fascinating story of his years on the vaudeville stage as "The Great Leland."

The years of professional appearances and skill in his former profession were recognized last week by his fellow magicians when they elected him president of Ring 90



Leland M. Sangster

of the International Brotherhood of Magicians in Albuquerque. Lee has been a member of the Brotherhood for 25 years and has performed at many of their conventions. Three years ago he appeared before the most critical audience a magician can find (fellow magicians) in Reno and was given high praise and an award for outstanding manipulations of billiard balls.

"The Great Leland" is a modest, soft-spoken man who bears a remarkable resemblance to the late Ernie Pyle. He looks back upon his years on vaudeville stage as "great fun" and has a warm memory of the many happy, strenuous days.

With the appearance of a suave man who has astounded thousands of people, Lee completely confused

the Bulletin reporter by rolling a silk handkerchief into a small ball until it disappeared while telling the story of his days on the stage. Then he reached down without interrupting the fascinating tale, and pulled the piece of silk from behind his knee.

Leaving his one-man audience completely befuddled, Lee went on to relate that among the most enjoyable of his experiences were the 1,000 times he drove automobiles through heavy traffic while completely blindfolded. In addition to a quilted mask on his eyes, he wore a double black sack over his head.

This stunt brought a fee of \$50 during the depression years and he thrilled many thousands of midwesterners in his appearances. "I never had an accident," he says, "but there were some close shaves." They still talk about blindfolded driving up in Iowa and they are as puzzled now as they were then.

Many times in his career he has "sawed a woman in half," suspended a human body in mid-air, and the silver dollars he has made disappear are too numerous to be counted.

Lee lists among his friends of vaudeville days such famous men as Jack Benny and Eddie Cantor. Many times he was billed with the Cherry Sisters. Vaudeville had its ups and downs and at one time Lee left the stage to work for the post office department. He stayed with Uncle Sam for 15 years, but the call of the footlights finally became too strong and he returned to the Keith and Orpheum circuits.

In 1942 Lee put aside his \$10,000 worth of magician's paraphernalia and did war work at Collins Radio Company in Cedar Rapids, Ia. In 1948 he moved to Albuquerque and started working for Sandia Laboratory.

Lee, his wife, and four daughters live on Sandia Base. His oldest daughter, Claudia, is employed by Sandia Corporation as a computer at West Lab. Doreen will graduate from Highland High School this year and Patricia and Marilyn are students at Sandia Base school. Only Marilyn evidences an interest in the art of magic and she shows indications that she may follow in her father's footsteps.

Electronics today occupy Lee's working hours, but he is happy to have as his hobby the practice of sleight-of-hand which was his profession for so long. Lee has A. H. Spengeman, 4134, to assist him in the magicians' club leadership. Al has been elected secretary-treasurer of Ring 90.



THE GREAT LELAND PREPARES TO DRIVE a car while completely blindfolded. This old photograph of Leland Sangster is one of his many appearances in his special act in the Midwest. Lee, now with Sandia Corporation, was elected president of Ring 90 of the International Brotherhood of Magicians last week.

E. C. Deuschle Is Appointed New 4120 Manager

"I've been in many states," says E. C. Deuschle, newly appointed manager of Department 4120, "and I like the state of New Mexico better than any of them." This statement comes from a native New Yorker who has been in the state for a year and is sure of what he is talking about. Emil has, just recently been appointed manager of the department reporting to J. A. Dempsey, secretary and comptroller.

After living all his years in the Empire State, he came to Albuquerque in March, 1950, and was followed several months later by his wife and son, Gregory, who is now 14 months old.

While receiving his education in New York, Emil was employed first



E. C. Deuschle

by Consolidated Edison Co. and then by C. J. Tagliabue Manufacturing Co. He attended New York University night classes and in 1936 was graduated with a Bachelor of Science degree in Accounting. For the next two years he studied evenings in St. John's University Law School in Brooklyn.

In 1936 he started to work for Western Electric Company and was assigned to the Kearny plant in Kearny, N. J. In 1941 Emil entered the army as a private and was discharged in 1946 as a captain in the Corps of Engineers. During this period he had 18 months duty with the Third Army in Europe. After leaving the Army, Emil returned to Kearny where he remained until coming to Sandia Corporation where he headed division 4122 until the recent appointment.

An ardent golfer, this transplanted New Yorker says this is the greatest climate in the country for the sport. He tries to get onto the fairways at least once a week and has plenty of golf companions. But he does have difficulty finding a tennis partner and tennis is another of his favorite sports. Mrs. Deuschle was his regular tennis competition until young Gregory arrived and now she is too busy.

Whenever Emil talks of his son, he has to break into praises of our New Mexico climate. His boy spends many hours outdoors in the sun and is "brown as a berry" and flourishing in health.

Toastmasters Heard On Radio Program

Three Sandia Toastmasters appeared on a 15-minute radio program Monday night. The program consisted of a discussion of the advisability of drafting 18-year-olds, and was one of a series of such discussions regularly presented on KVER by the various Toastmasters clubs in Albuquerque.

Participating in the program were Randy Parsons, 1251, Charles Runyan, 1220, and Ted Sherwin, 3125.

First Aid for Mathematicians



Machine Operator Margaret Matlack smiles while the Electronic Calculator computes arithmetical problems under her watchful eye. Margaret is one of five IBM operators in 1613. Others are Garrett Vick, Alice Montoya, Tom Herrill, and Lamar Johnson. L. E. Mahuron, John Stark, and Carol Orem are the programmers of the division who prepare the calculators to solve problems.

Complicated Electronic Calculators Solve Complex Math Problems Easily

If mathematics is as foreign to you as the tongue of Cooch Behar, you'll love these "mechanical brain" computing machines found in Division 1613. Used in compiling statistical data, they can do arithmetical calculations more accurately and faster than an army of mathematicians wielding pencils. In fact, these machines, called Card Programmed Electronic Calculators, can accomplish in seconds what a man could not complete in days.

Henry Schutzberger heads the division using these machines and L. E. Mahuron is in charge of the operating section. The calculators are manufactured and made available to industry on a rental basis by International Business Machines Corporation. Sandia Corporation, with three calculators, is using more of these machines than any other company in the nation at this time.

Understandably, personnel of 1613 have shortened the title of the equipment from Card Programmed Electronic Calculator to "CPC." They found they could complete some problems on the calculator almost before they could pronounce the title bestowed by IBM.

Operation of the CPC is explained by Hank Schutzberger as follows:

Each machine consists of four units which are interconnected by cables. Problems are introduced into the first unit, the accounting machine, on data cards containing numbers to be used in the arithmetical calculations. These cards are inter-filed with other cards which tell the CPC what to do with the figures. Cards enter the machine at the rate of 150 per minute. This unit will print the answers to the problems if desired. It also may be adjusted so that each step in the calculations is recorded on paper as well as the final answer.

Computing is actually accomplished in the second unit, the electronic calculator, a complex piece of equipment with 1,300 vacuum tubes. This unit is capable of doing 200 to 300 multiplications or divisions or 3,000 to 4,000 additions or subtractions per second. This speed is never actually attained, however, for production is controlled by the rate at which the accounting machine can receive the punch cards.

Another unit of the machine is the storage medium known to the operators as the "ice box." The direction cards instruct the system to store or remember certain tabulations and then return them to the accounting machine at the proper time to be used in a calculation.

The summary punch, the fourth unit, punches answers to the problems on IBM cards and the operation is complete.

Basically, the machines do the four arithmetical operations—addition, subtraction, division and multiplication, but long sequences of combinations of these operations make easy the computation of square roots, trigonometric functions such as sine and cosine calculations, and any other function that may be represented by a series of terms.

One problem recently computed by the device involved 300 mathematical steps utilizing seven decimal places. The operation was completed in 55 seconds. It is estimated that an experienced operator with an electrical desk calculator would require at least eight hours to complete this same set of operations.

A new machine is being developed by IBM which, by using magnetic tape instead of punch cards, will complete problems 10 to 100 times as fast as the CPC.

It would be difficult to determine how many mathematicians would be needed in the division to do the work these calculators turn out daily, but if savings are measured in time only, the economy of the instruments is tremendous.

The division offers its services to any Sandia Corporation department having an involved or recurring mathematical problem. At the present the machines are running 10 hours a day, six days a week on high priority problems, but personnel of the department will discuss and assist in solving any problem "except income tax." The operators do admit that even on the long form the tax could be computed in less than 20 seconds.

Radio Code Classes Given On Base Twice Each Week

Regularly scheduled code classes are being held twice each week by Sandia Radio Club members in the club's building T-317 on 'H' Street. Classes are each Tuesday and Thursday evening under the instruction of Frank Irwin, 1713, and Lt. Paul Arndt, both amateur radio operators.

Basic and advanced instruction is offered and employees of Sandia Corporation and their families, as well as other Base personnel, are invited to attend the classes. There is no charge for the instruction.

SANDIA BULLETIN

Friday, April 13, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



Our Relations with the Public . . .

No business or organization can decide for itself whether or not it wants "public relations." It has them in spite of itself; therefore, its task and, indeed, its obligation, is to make them the best possible. Public relations are the sum of all that the persons connected with a business say and do in public.

Good public relations, then, result from a combination of (1) sound operating principles, (2) a record of accomplishment, and (3) a knowledge of these policies and accomplishments, not only by the company's own personnel but by the people of the community in which it is located.

It is obvious that Sandia Corporation can't say much about the work we do here, but within the limits of security and propriety an effort is being made to let the people of Albuquerque know in a general way how we fit into the national defense and atomic energy program. That's why Sandia Corporation released this week, with the concurrence of the AEC, a picture story about the development of Sandia. People instinctively fear what they do not understand, and fear leads to dislike. We want Albuquerque to know us better.

The impact of a new project like ours on a community of this size is not one to be taken lightly, and it is no wonder that many older residents here have viewed the growth of the laboratory with some misgivings. True, we are adding vast sums of money to the community, and contributing materially to the growth of the city, but this very growth places staggering demands on the community for many services including public utilities, streets, schools, fire, and police protection.

Now, at a time when we are expanding our working force and stepping up our schedules to meet urgent defense requirements, it is more important than ever that we have the full support and cooperation of the community and the public in general. Let us all strive to be good citizens as well as capable workers, and let us all do our part to "sell" the laboratory through the development of enduring good will. Until the full story of our accomplishments can be revealed we must rely entirely upon the confidence of the public that we are doing the best possible job in the least possible time, and with a minimum interruption of the normal peacetime economy. What our neighbors and business friends think of us as individuals will determine the community's attitude toward the project as a whole.

Coronado Club Schedule

Saturday, April 14—Informal dance.
 Sunday, April 15—Buffet dinner-dance.
 Friday, April 20—Square dance with band.
 Saturday, April 21—Informal dance.
 Tuesday, April 24—Square dance instruction.
 Wednesday, April 25—Bingo
 Thursday, April 26—Bridge party.
 Saturday, April 28—Shipwreck party.
 Sunday, April 29—Buffet dinner-dance.

Weddings and Engagements

The announcement of Helen Louise Trainer's engagement to John C. Patchell was made Easter by Mr. and Mrs. Charles R. Trainer. Helen is employed in 2222, and her fiancé works for the Southern Union Gas



Trainer



Dickens

Company. Both are graduates of Albuquerque High School. The couple plan a June wedding.

Patricia Claire Niggel, 4131, and Sgt. Bernard John Wessel will be married April 20. The couple have made plans for a honeymoon in Chihuahua, Mexico, and will make their home in Albuquerque upon their return.

Corine Gaultney, AEC, and Leroy Dickens were married March 24 at the Bel Air Baptist Mission. Leroy is a student at St. Joseph's College.

Sandia Engineers Panel Speakers at Engineer Meeting

Plans for unification of the engineering profession will be discussed at a dinner-meeting of The American Society of Mechanical Engineers, Wednesday, April 18, at the El Comedor De Soto.

Panel speakers will include Glen Fowler, 1600; L. A. Hopkins, 1270, and Don Bliss, 2112-1.

Dinner will start at 7 p.m. and the cost is \$2 a plate. Reservations should be made in advance with C. H. DeSelm, ext. 21152; Lee Toliver, ext. 7253, or E. C. Rightleg at the University.

An open discussion period will follow the panel speeches and all engineers are invited to attend.

Men Invited to Sing with New Base Glee Club

Formation of a male glee club is in progress with the first rehearsal scheduled for Friday, April 13, in the Coronado Club at 7:30 p.m. All men who are interested in participating in the new chorus are requested to contact D. F. Robinson, 1243, ext. 24243. Singers with previous glee club experience are in special demand, but anyone interested in singing, even those without vocal training, are invited to attend rehearsals. Membership will be open to all men employed on Sandia Base.

Terry Rikken, 1243, will direct the glee club. Terry served for seven years as director of the Martinaires, a chorus sponsored by the Glenn L. Martin Company of Baltimore.



DO YOU SUFFER FROM TRISKAIDEKAPHOBIA? Helen Nielson, 2462-2, prescribes the perfect treatment for that ailment which is often found on days like this. Helen really isn't superstitious, but we think you'll agree this photograph is a pleasant reminder that this is Friday the Thirteenth.

AROUND THE DEPARTMENTS

2210 held a department luncheon at the Coronado Club March 30 welcoming Rosemary Trinkle and bidding farewell to Doty Constant who is leaving for "Jolly Old London Town." Doty is taking a secretarial position in England.

Personnel of 2221 are much relieved now that Jack L. Miller's child is improving. The little boy was sick with the measles and then pneumonia and had to be put in an oxygen tent. All of 2221 helped Jack worry.

Ralph and Ruth Larsen and Al Rizzoli went to Calexico, Calif., last week end for a California State Pistol Match. Ralph and Al, both of 2123-1, are both marksmen with the pistol and Ralph took third place in the Rocky Mountain Regional Pistol Championship held at Denver in July, 1949. Ruth, Ralph's wife, works in 2461-3.

Phyllis Perkowski is now working in the 2100 organization, having transferred from 2250.

Inspector James Lossing, 2450, who suffered a broken pelvis when he fell while descending from a tower, is recovering at Osteopathic Hospital in Albuquerque.

Paul Snyder, AEC, left for the Army last week and Gerald Prom, AEC, will be leaving soon to join United Airlines as a pilot.

Nancy Mally Brush, 3160, is taking her new duties as a housewife seriously. She plans to retire to Cedar Crest and raise a few chickens and a few strawberries. Billy Todd, 4222, is going to take Nancy's place.

Mrs. Irene Palmer, 3160, is still at home on sick leave but will soon be back on the job.

Everyone feels very sorry for Harlan Lenander, 1111, who is down with the mumps.

West Lab welcomes Richard Claafen to 1120 and Dale Mortiz to 1130.

It's the talk of West Lab—four of the 4211 personnel are sporting new cars. Art Coyne, Ray Allen, Roy Terry and George Burnside. Then there's Ilba Baldwin, 1100, who wasn't going to be outdone.

R. J. Dill, 2242, and family were on vacation last week enjoying scenic spots of the west coast and Phoenix.

Jack Mafit, 3152-1, left last week for a two-week recruiting tour to Wisconsin. He will meet John Riskey, 2123, in Madison and then travel to Milwaukee to join T. T. Robertson, 1251.

Charlotte Felchman has returned to New Mexico after an extended visit in New Jersey. New Jersey is Charlotte's home state and she evidently had a nice visit.

C. H. DeSelm, 1280, was initiated into Pi Tau Sigma as an honorary member April 4 at a dinner held at the El Comedor De Soto. Pi Tau Sigma is a mechanical engineering fraternity and Mr. DeSelm's initiation consisted of a short talk to members on "The Engineer's Education and His Job." Other Corporation men attending the dinner were R. A. Bice, 1210, and Bill Denison, 1283.

Dick Richards, 1282, and his family are getting pretty well settled in their new home. It's located in the Inez Addition.

Division 2472 is very happy to have Donald Harrison, William Milnes and E. C. Pena join their organization.

The Spring formal dance held last Saturday night at the Coronado Club was reported as a big success. Flowers used to decorate the ballroom were given by Bari Floral and added a colorful touch.

Carl Zimmerman, 2112, is a new addition to the German band as a drummer. There are now six members in the band. Carl used to be in vaudeville and has been a drummer in many eastern dance bands.

Mr. and Mrs. Gordon King are the proud parents of a boy born the latter part of March. Gordon is in 1514-2.

Bob Sowell, 1514, is back to driving his old Ford. His wife, who teaches school in Oregon, came to New Mexico over the Easter holidays and took the new car back with her.

Division 1514 extends a welcome to William L. Neeves. Bill came to this part of the country from La Jolla, Calif.

Bennie Garcia, 2231, was called by Selective Service last week and his co-workers wish him the best of luck.

Homer Baldwin, 3152-1, received his new 1951 Plymouth in the nick of time. The previous day, he ran his Chevy into the rear end of a car that had a sturdy trailer hitch and the grill on the Chevrolet was somewhat ruined.

Major J. E. Devine, who is assigned with 1243, reports that his three children are now happy. The Devines had a sedan and the children, who enjoy sleeping in the car, found it most difficult. Now they have a Pontiac station wagon and on a recent trip to Iowa, there were three very comfortable sleeping tots.

Speech on Measurements Scheduled for ISA Meeting

Claude M. Hathaway, president of the Hathaway Instrument Company of Denver, Colo., will be guest speaker at the April 16 meeting of the Instrument Society of America, John A. Southwick, 1282, chairman of meetings committee has announced. The meeting will be held at 8 p.m. in Hadley Hall at the University of New Mexico.

Mr. Hathaway, whose topic will be "Specific Measurements," is the author of a number of papers on oscillographs, strain-analysis instruments, and kindred topics, and taught electrical engineering at the University of Colorado, his alma mater, for several years. In 1938 he established his own instrument company in Denver, producing a variety of specialized instruments such as the "multielement optical flight record," a miracle of suit-case size efficiency which makes unnecessary the work of tons of separate recording devices used in airplane testing. All interested are invited to attend.

Robert Schmuck and Harry Bodenschats said goodbye to 3150 last week now that their clearances have been completed. Bob left to go to 4230 and Harry to 2330.

Earle George, 1714, returned recently from vacation, most of which was spent in Alamogordo, N.M. On the way back from there, Earle's old 1939 Ford expired. Fortunately the expiration took place directly in front of the General Motors dealer in Belen so now the Georges may be seen galavanting around in a beautiful 1949 green four-door Chevrolet.

Art Machen, 1710, spent last week on his ranch in Alameda. It wasn't much of a vacation, though, as Art was hard at work on hundreds of spring chores that have to be done on any ranch.

Max Weber, 1714, is recuperating nicely from an operation performed early this week for the removal of a tumor.

Tillie Wheeler, 2461-3, is having quite a struggle with her new 1951 Buick Special. This is her first experience with a car and she is finding that driving a car isn't as easy as it might look.

The girls of 2461-3 were pink and blue conscious last Wednesday night when they honored Margaret Northcutt and Ida Maedowling with a stork shower. It was a surprise affair held at the home of Lucille Montoya, 612 N. Broadway.

Department 1240 has two April Fool babies. Mr. and Mrs. Charles D. Lantz had a daughter, Patricia, weighing 7 lbs. 5½ oz., and Mr. and Mrs. Walter Hanson also had a daughter, Sally Marie, weighing 8 lbs. 14 oz. Charles is in 1242 and Walt in 1241.

Division 1243 extends a great big welcome to Walt Dalby, a transfer from 2110, Deane Swanton, from West Lab, and Jacque Quinn, a native of Albuquerque.

Terry Rikken, 1243, is scouting for male singers to form a Base men's choir. Terry directed a male choir at the Martin Aircraft Corporation when he worked there. Anyone interested in singing should contact Terry on ext. 24243.

Glenn Simpson and Robert Blount, both of 4134, have information on installing a sprinkler, the easy way. But, after putting one in Glenn's front yard, they learned the hard way.

Personnel of 4134 are very happy to see Aileen Moore back on the job after a long illness.



Three Sandia Corporation mountain climbers scaled the west slope of the Sandia Mountains recently. They reached the top and all three men were in a picture taken without the aid of a delayed action shutter camera. The trick was turned by the cooperation and skill of a retouch artist and here we have Jack Hart, Ernie Peterson, and Ed Domeier, all tired but smiling, pictured together at 10,678 feet above sea level.

Try Scaling the West Slope of The Sandias for a Sunday Outing

For a day of recreation, try climbing the west face of the Sandia Mountains near Albuquerque. Start from the Juan Tabo area and go up to the marker which is at the highest point of the mountains, commonly known to local people as "the crest." That's the Sunday exercise chosen by E. J. Domeier, J. C. Hart, and E. C. Peterson, all of 3210, who safely made the ascent and descent in one day and reported they enjoyed it.

The three Sandians took the La Luz trail which starts at about 6,400 feet altitude and takes climbers through La Cueva canyon's beautiful pine forests and up some precipitous cliffs to the top, 10,678 feet above sea level. The easy way to get to the top is to drive a car up the east slope, but this time of year the upper portions of the road are deep under snow. Anyway, it is the west slope which is the challenge to mountaineers.

The slope has been tackled by many climbers and some have completed the undertaking and others have given it up. The three Sandia men completed their climb on the second attempt.

Their first try a few weeks ago was thwarted when clouds moved in and they lost the trail while skirting the edge of a rock slide which covered the path.

A week later the three again undertook the climb and in about five hours completed the ascent. Weather was good this trip and the snow had thawed some, but was still as much as five feet deep in crevasses and protected areas.

The grade is extremely steep most of the way and in some spots is just about perpendicular. There are ample opportunities for serious falls, but the Sandians scaled the face without serious injury. Jack Hart twisted his knee and turned an ankle, but was able to complete the climb.

When the climbers reached the top, they took pictures of the marker as proof of their accomplishment, ate some lunch and started down.

The descent was nearly as strenuous as the climb up. They likened one portion of the trip down to a 2,000 foot ski run and it was there Jack received his turned ankle. In three hours they were again at the foot of the mountain and after posing for a "near-exhaustion" picture at the trail's end, they returned to Albuquerque by car.

None of the three lays claim to being a highly skilled mountain climber. Jack reports this is his first try at climbing, not counting hiking up and down in the Ozarks. Ernie Peterson is not a complete novice at mountaineering, but this is his first time "for the fun of it." Ernie's previous climbing experience was in the Solomon Islands and Okinawa when there was more serious business at hand. Ed Domeier has had several climbs on some of the higher peaks in Colorado.

In addition to completing the near mile-high climb the three may well be proud of another accomplishment—all of them reported for work the following day.

Toastmistress Club Initiates New Members

Initiation of new members into the Sandia Base Turquoise Toastmistress Club was held Wednesday, April 11, at the dinner meeting in the Officers' Club. Mrs. H. C. Biggs was initiating officer and those initiated were mesdames C. L. Lindquist, E. G. Miller, and A. J. Kruz.

Toastmistress for the meeting was Mrs. G. L. Morrisroe and Topic-mistress was Mrs. T. J. Jorgensen. Mrs. W. E. Caldes, Mrs. A. L. Dyer, and Miss Beth Krajovic were speakers.

Mrs. D. B. McCarthy was first place winner at the district speech contest held in Las Vegas, N.M., last week end. She will now represent this district at the Regional Toastmistress Convention to be held at Bakersfield, Calif., May 26-27. The winner there will represent the Southwest at the International convention to be held in Denver. Mrs. McCarthy's speech was entitled, "Poor Little Bright Child."



Irene L. Heck, 2461-3, is displaying her rag dolls which she recently made. The dolls have brown curly yarn hair, with embroidered eyes, noses, mouths, and even freckles. They stand about 14 inches tall and Irene says she prefers to stuff them with worn-out nylon hose although these particular dolls are filled with cotton and sawdust. Irene started making rag dolls in 1948 purely for her own amusement, and then she made them for her nieces and nephews. Now she has a long list of orders which she says will take her quite a long while to fill. Harriette Shelton, 2111, was the recipient of this pair.



Observe your signs
It always pays.
The smarter man
Lives more days.

Safety's a good thing for all of us. No matter how long you've been here or what your job is, don't take chances. Help others be safe on their job—for your sake as well as theirs.

Don't drive by guesswork. The morning and evening sun is blinding. Maintain visibility, keep your windshield clean.

When You Reach Retirement Age Will You Be Financially Independent?

Popular songwriters are not often considered psychologists, but there is one of them who might qualify. He is the fellow who wrote the words:

"I've got a wonderful feeling; everything's going my way."

He's right, for we do have a wonderful feeling when everything's going our way. Fate appears to take a hand occasionally and bring good fortune into our lives. There have been occasions of unexpected oil wells, rich uncles, radio program jackpots, or a winning Irish Sweepstakes ticket.

But not many of us have such good fortune. For most of us the "fortune," or lack of it, is usually the result of planning—or lack of it. Most people are "fortunate" because they take opportunity by the hand, lead it through the years and then bring it in the front door when needed.

You may bring opportunity or good fortune in your front door some day by participating in the Sandia Corporation Retirement Plan which is open to any employee. The plan, underwritten by the Prudential Insurance Company, guarantees an income when your day for retirement arrives. Each month the Corporation deposits the employee contributions, and its own contribution of nearly twice what employees contribute, with Prudential. You must meet certain requirements to qualify for retirement benefits, but you never get less than what you have contributed, plus interest.

The Corporation has no definite age for retirement, but the Prudential Insurance Co. plan puts normal retirement age at 65. Suppose you are 25 years of age when you start participation in the plan. Also suppose your average annual salary during the years of your employment until the age of 65 is \$3,500. Your contribution for each year will be three per cent of the first \$3,000 of salary and six per cent of all you earn above \$3,000 each year. Your average annual investment in the plan will be this:

3% x \$3,000 equals \$ 90
6% x \$500 equals 30

Total annual investment... \$120

At the age of 65 you would have been investing in the plan for 40 years. If you chose to retire you would receive annual payments equal to one-third of your total contributions. In this example your contributions over the years would be 40 (number of years) x \$120 (annual contribution) which is \$4,800. You would receive one-third of this or \$1,600 which would be paid in 12 monthly installments of \$133.33 each, and a like amount each year for the rest of your life.

This check, supplemented by your government Social Security benefits, and any savings and investments you might have, will be your income and security for your years of retirement. If you lived for only 10 years after retirement you would receive \$16,000, or nearly four times the total amount you had contributed.

There are other features of the plan which make it even more attractive.

The plan and all the benefits you have accrued under it may be transferred to any company which might assume the operation of the facilities now operated by Sandia Corporation.

Your contributions are based on the percentage method of payment and this automatically adjusts your contributions to meet changes in salary.

After your retirement and upon your death, your beneficiary will receive a minimum of one year's annuity as a death payment. In the example used here the beneficiary would receive \$1,600 in addition to whatever payments you had received.

You may designate the beneficiary. It may be an individual, your estate, or an organization and you may choose one of several methods of payment.

Of great importance is the fact that you cannot lose. No matter what action you take, or what circumstances may arise, the minimum payment you will receive will be equal to the amount of your contributions plus interest.

Further information concerning your retirement plan may be obtained from C. W. Campbell, Building T-301, ext. 21252.

The Typographic Error

The typographic error
Is a slippery thing and sly;
You can hunt until you are dizzy,
But it somehow will get by.
Till the forms are off the presses,
It is strange how still it keeps;
It shrinks down into a corner
And it never stirs or peeps.

The typographic error
Is too small for human eyes,
Till the ink is on the paper,
When it grows to mountain size.
The Editor stares with horror,
Then he grabs his hair and groans;
The copy-reader drops his head
Upon his hands and moans.

The remainder of the issue
May be as clean as clean can be,
But that typographic error
Is the biggest thing you see.
—The Blue Bell.

Square Dance Scheduled For First, Third Friday

The Coronado Club has announced that the first and third Friday of each month have been reserved for square dance night so all you enthusiasts mark your calendar and don those togs for the dance. April 20 at 8:30 is the next scheduled dance.

Parents of pre-school children will have their questions answered by Miss Florence Schroeder, of the University of New Mexico Home Economics' Department, April 24, at 8 p.m. in the Kindergarten Building. An invitation is extended to all interested in pre-school children.



SANDIA SQUARE DANCERS do a Grand Right and Left at their regular dance in the Coronado Club. The dancers get together the first and third Friday of each month and have plans to dance to the tunes

of a live band in the near future. Twice a month the club offers square dance instruction on Tuesday evening. Anyone interested in joining the square dance group may call Doc Rehbeck, 24157.



Bathtubs and showers are dangerous enough without the hazard of soap underfoot. Broken arms or legs are sometimes the result when the purchase of a suitable non-skid mat is postponed. Without this protection members of families are exposing themselves to possible serious injury.

Home Sweet Home Isn't the Safest Place on Earth

It's the same old story year after year—too many people are injured in accidents around the home. Many words have been spoken and many articles written on the simple rules which promote safety off the job. Evidently many people have completely ignored this information. Off-the-plant injuries yearly keep thousands of Americans from work.

Causes of injuries at home are numerous. Bath tubs, showers, dark rooms and stairs cause most of the falls. Moving furniture and lifting heavy articles in yardwork are blamed for a large portion of the back injuries.

Humans don't have non-skid soles on their feet. We are not able to see in the black of night. Nor are we gifted with super-human strength. We cannot fall down stairs without running the risk of serious injury.

Knowing all this, why do we ignore the circumstances that so often result in a painful injury?



Keeping a stairway clear is one way to practice safety around the home. High heels, poor lighting and waxed steps still cause accidents which could have been avoided with a little forethought. Here Beverly Harbison, 2113-1, comes down a stairway confidently, having verified in advance the condition of the stairs.



Lifting furniture has brought about many backaches, sprains and discomfort due to ignoring safe rules for lifting. Granville Mann, who has considerable work in lifting and moving furniture at the Coronado Club, demonstrates how to lift properly. He is using his legs rather than his back to move the weight upward.

Don't pity the poor ostrich which sticks his head in the sand to avoid danger. Some people seem to feel safe moving in the dark with one hand outstretched. If anything, the ostrich is more nearly safe. Turn on the light or use a flashlight, or even matches, but don't grope around blindly. Your wife may be a furniture mover!



"I stepped on a nail," is a too-common statement heard from a limping or disabled householder. Be on the safe side; clinch or remove all nails on stray boards and eliminate this type of hazard.

Unusual Features Are Incorporated Into Newly Completed Building 892

Many of the latest developments in architectural and construction engineering have been incorporated into Building 892, known as the new Road building, recently occupied by Sandia Corporation. Designed for efficient accommodation of varied functions, the building provides efficient working conditions.

One of the most interesting features of the structure is the air conditioning which is operated by five large blower units. The system is so designed that the side of the building in the sun in the summertime receives more cool air and in the winter the shady side will receive more heat. This effect is made possible by a zoning plan in the building with each of the blower units forcing air into one zone.

Filtered and washed air is blown into the building and the humidity of the air is controlled by the temperature of the water used as a wash. The cooler the water, the lower will be the humidity of the air. Filtering is actually a two-step process with the air first going through a dry filter and then through an electrostatic filter. In the summertime the air is cooled with a 450-ton refrigeration machine. This unit is steam operated and in the winter the steam is used to heat the air.

Air pressure inside the building is slightly higher than atmospheric pressure outside. If there are any leaks in the windows or doors, the air will escape outward and dust will not come in. None of the building's windows may be opened.

The zone control also makes possible a difference in temperature and humidity in the various office, laboratory and factory sections. In addition, each room has individual thermostatically controlled heating units.

Lighting facilities in the building are scientifically designed so that at every point there is more than the minimum of light necessary for the work being performed. Fluorescent lighting is used and the lights are the instantaneous lighting, non-glare type.

Floor covering material in the building was carefully selected. In office and laboratory sections a light colored asphalt tile is used because of its light reflecting qualities, walking ease, durability and appearance. In the heavy duty areas concrete floors with a hardened surface are found. The surface of the concrete is as hard as marble and will withstand pressures of 6,000 to 7,000 pounds per square inch.

Another interesting feature found in the building is the clock system by which all clocks are synchronized to the second by a master clock located in the security guard office. Insulation in the building was installed as the concrete wall panels were poured. The insulation and walls were integrated into one piece in the process. All ceiling areas and high bay areas in the building are acoustically treated with steel pans backed with glass wool.

Three types of electrical conduits were placed in the building when it was constructed. Wires for the illuminating facilities are in one, power lines are in another, and communications lines are in the third.

Adding versatility to the building is the fact that office and laboratory areas are designed as large rooms which may be subdivided by movable steel partitions into smaller offices and rooms without changing the lighting and air conditioning facilities.

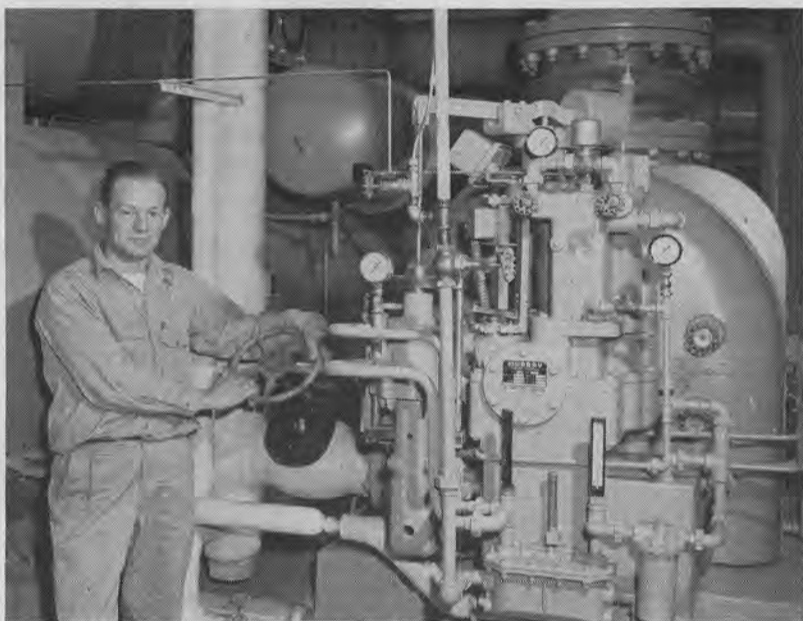
Special exhaust systems have been installed in the building where there are painting rooms or where toxic or inflammable materials are used.

Bridge cranes spanning the high bay rooms facilitate heavy moving, and interconnecting monorails provide additional means of handling heavy materials.

A suite of rooms in a central location houses the first aid facilities. A reception room, doctor's office,



Security Inspector Paul Littell checks the badge of Henry H. Dancy, 2241, in the entrance of Building 892. Guards are on duty at the building's entrance at all times.



At the controls of the air conditioning unit in Building 892 is Burt Light, 2411. The giant piece of equipment has capacity to manufacture 450 tons of ice per day. The unit is steam powered and in wintertime the steam is used to heat the air being circulated through the building.

clinic room and laboratory are in use and a nurse is on duty during all working hours.

The building is protected from fire by an elaborate alarm system. If a fire should start, the system alerts the security guards, tells the fire department the location of the blaze in the building and turns on the sprinkler system in that area. All of these operations occur simultaneously.

An annunciator system has been installed and a person may be called from any part of the building. The system also will automatically give an evacuation signal. Another alarm system notifies security guards of the unauthorized opening of any door in the building.

All of these features, plus many others, help make the building efficient and practical and at the same time a pleasant place in which to work. Many similar features have been incorporated in other permanent buildings now in use or under construction in the Tech area.

Sandians Enjoy Spaghetti Dinner at Gordon King's

Gordon King's attractive new home was the talk of the evening, Friday, March 30, when Division 1514 personnel and their families were guests of the Kings for a spaghetti dinner. Assisting Mrs. King as co-hostesses were Mrs. R. E. Fisher and Mrs. J. C. Russell.

Gordon constructed his entire home which is located at 3524 Luke Circle. Woodworking is his hobby and the interior cabinets and woodwork are good examples of his artistic ability along that line.

Notice

A meeting to elect officers for 1951-52 bowling season will be held next week. All team captains and team members are invited to attend and as soon as a meeting time and place can be determined, the team captains will be notified who in turn can notify the team members.



NEW OFFICERS OF SANDIA TOASTMASTERS CLUB were installed last week by George McKim, left, honorary member of the club and past district governor. To his left are Jess Adkins, treasurer; Lt. Joe Tetrault, vice president; Les Cox, secretary; Dan McCarthy, educational chairman, and Harold Gunn, sergeant-at-arms. Not shown is Nate Wineberg, deputy governor.

Expert Recalled from Retirement Still Finds Time for Many Hobbies

Dr. C. N. Hickman Is Archer, Magician And Gadgeteer

"Apparently when the bug bites you, it bites hard, and that's what happened to me," says Dr. Clarence N. Hickman, 1400, in referring to his hobby of archery. The technique of using the bow and arrow has been an interest of Dr. Hickman's since he was five years old when he shot fish in the brooks of Indiana with a bow and arrows fashioned from umbrella stays.

Dr. Hickman, a retired Bell Telephone Laboratories man, has contributed a great deal of technical knowledge to the development of military weapons, but has also found time to delve into the finer points of archery, his primary hobby, as well as magic, photography, mechanical "gadgeteering," and fishing.

Dr. Hickman's first technical interest in archery was in 1929 when he worked on measuring the velocity and acceleration of arrows. He found that no one had ever done anything along that line and the Journal of the Franklin Institute that year published his first paper on the subject.

In 1928 he attended a meeting of the Metropolitan Archery Association which took in the area around New York. Shortly afterward he organized the Long Island Association and started a group in his own community of Jackson Heights.

In 1930 when he joined the technical staff of the Bell Telephone Laboratories, he organized the Bell Laboratories Archery group. This archery activity continued into 1940 when engaged in research work for the government which was so pressing that he had to give up archery temporarily.

From 1946 to 1947 he was president of the Bell Laboratories Archers and participated in all phases of the archery activities. He designed the club archery emblem.

In 1948 Dr. Hickman co-authored the book, "Archery: The Technical Side." It was during the same year that he reached the peak of his ability as a bowman. He made the highest Olympic score in the city of New York and he hasn't been able to do it again.

In 1950 he attended the National Archery Tournament in Lancaster, Pa., where he made six goals ("bullseyes" to you) in the contest and was awarded the six-goal pin. At that same meet he received another honor—the J. Maurice Thompson medal of honor.

Dr. Hickman holds a number of patents, one of which is for backings for bows. He was unable to find a manufacturer who could produce the product and before he knew it, he was in the backing business. The backings were made of silk at first and later replaced by Fortin. He recently closed this business.

The versatile bowman not only

writes about archery, but has what he thinks is the largest private collection of old books in this country on the subject. He has over 500 volumes, many of which are very rare.

Dr. Hickman has always been a very active man. Between terms at Winona College, Winona Lake, Ind., he clerked in clothing stores, and taught mathematics, physics, and German in an Indiana high school. He was graduated from Winona in 1914 with an A. B. degree, majoring in mathematics and physics. In 1918 he received his M. A. degree and in 1922 his Ph. D. from Clark University, Worcester, Mass.

In 1940 he resumed his work in the development of weapons which he started during World War I. He was loaned by Bell Telephone Laboratories to the National Defense Research Committee. For his service with the government, he received the Presidential Citation (Medal for Merit) and a certificate of appreciation from the War Department in addition to letters of commendation.

Attesting to the fact that he is an unusually active scientist are his more than 40 published books and articles. He holds approximately 100 patents which are registered with the United States Patent Office.

Another of Dr. Hickman's hobbies which started when he was a small boy is practicing the art of magic. Following his graduation from high school, he took it more seriously and went on the road as a magician. He is a member of the Society of American Magicians, and can still perform some mystifying feats of legerdemain.

The man of many hobbies says that when he retired from Bell Laboratories he was offered various positions with attractive salaries, but refused them all since he merely wanted to "work" at his hobbies. When the Korean War broke out, however, he was asked to return to work by D. A. Quarles, vice president of the Bell Telephone Laboratories, and he responded to the call to duty. Dr. Hickman agreed to come to Sandia Corporation on a consulting basis, but he says it was purely for patriotic reasons since he had become so engrossed in his hobbies. Mrs. Hickman wasn't pleased at the thought of moving, he says, but now that she is here, her opinion of the southwest has changed and she admits she likes it "a thousand times as much as she had expected to."

Dr. Hickman, now a regular employe and no longer on a consulting basis, says that if he has to work, even though he still prefers not to, he can think of no place he could be any happier than at Sandia.

And he adds that he is anxious to take advantage of the New Mexico fishing. No longer relying on his bow and umbrella stays, he now uses the conventional rod and reel and has them all ready for the opening of the fishing season.



Dr. Clarence N. Hickman, 1400, is shown with the six goals he shot at the National Archery Tournament held in Lancaster, Pa., last year. Dr. Hickman was awarded the six-goal pin for this feat.

Sandia Seeds **Leix Padilla**



"We gave up the lawn, put up some boards; makes a swell sand box for the kids."

What Is Your Opinion?

If You Were to Retire Tomorrow, How Would You Use Your Time?

CLAUDIA SANGSTER, 1112 at West Lab. I've always been pretty fond of Mexico and considering the if's, sufficient funds, etc., I think I would go down there and get a small place and spend my time horseback riding and reading in the sunshine.



EDWARD DEAN HEATH, 2465 at West Lab. I'd buy a small ranch, probably in the Pecos country or Colorado where there's lots of grass and water. I'd get a couple of good horses, and then I would have myself a good time.



KAY THOM, 4212. I would go to Santa Fe. I know just the house I'd build and just the right spot where I'd have the gorgeous view of Santa Fe. I would live there the year round, but I'd spend at least four 2-week periods out of the year elsewhere—one in New York and one in Chicago and the other two in San Francisco to hear music and opera, or whatever happened to be going on. I want to learn to polish and cut semi-precious gems and I also want to write, preferably on politics—that's how I'd spend a part of my time.



MELVIN N. PLINER, 2221. Since I have a new 1951 Pontiac, I would in all probability do as much fishing and hunting as I could. Then I would like to travel around the country and see such sights as the Grand Canyon. I would like to build a cabin somewhere close to a lake and I would like to have a woodworking shop there. Then, I would look around for a girl that enjoys the same things in life as I do and get married and just live a leisurely life.



JOHN L. VEENEMAN, 2432 at West Lab. Oh Boy! I'd go up to El Vado right now and go fishing. Since the season opened, that's been one desire. Then, when I'm not fishing, I'd be hunting.



JO ANN LOHNER, 3153-1. I think I would settle down in a little town. Have a small farm with enough money and a car, of course. Every summer I would like to travel, say Hawaii one summer, Mexico another.



Bowling Leagues

INDIAN LEAGUE

Team	Won	Lost
1. Mohawks	75	25
2. Zuni	66	34
3. Crees	56	44
4. Potawatomi	53	47
5. Navajo	48	52
6. Hopi	42	57
7. Apaches	38	62
8. Comanches	23	77

Team and Individual

High team, three games, Hopi, 2636
Second high team, three games, Crees, 2553
High team, one game, Mohawks, 938
Second high team, one game, Hopi, 920
High individual, three games, Hess, 609
Second high individual, three games, Culley, 604
High individual, one game, Culley, 275
Second high individual, one game, Lew, 241

Top 10 Averages

Duffield, 174; Whitney, 169; Mills, 168; Nogle, 167; Northrup, 164; Palmer, 162; Priore, 162; Gray, 161; Gasta, 161; Hasselbroek, 160; Leonard, 160; Parsons, 160; Robertson, 159; Horne, 159; Schaap, 159; Malley, 15; Showers, 159; Baumgartner, 159; Brewster, 158; Redburn, 158, and Deutsche, 158.

MAJOR LEAGUE

Team	Won	Lost
1. Browns	64	40
2. Senators	56	48
3. Red Sox	56	48
4. White Sox	51	53
5. Indians	49	51
6. Yankees	47	53
7. Athletics	45	59
8. Tigers	44	60

Team and Individual

High team, three games, Indians, 2593
Second high team, three games, Yankees, 2564
High team, one game, Tigers, 927
Second high team, one game, Red Sox, 913
High individual, three games, Gasta, 640
Second high individual, three games, Rowe, 604
High individual, one game, Gasta, 255
Second high individual, one game, Rowe, 246

Top 10 Averages

Rowe, 175; Fink, 172; Redburn, 169; Gasta, 169; Nogle, 167; Palmer, 166; Rice, 164; Pagenkopf, 164; Sylvestre, 162; Repetti, 162; Brown, 161; Arterburn, 160; Hoge, 160, and Saylor, 159.

INSECT LEAGUE

Team	Won	Lost
1. Scorpions	67	41
2. Centipedes	67	41
3. Fireflies	62	46
4. Lady Bugs	54	54
5. Roaches	54	54
6. Black Widows	47	61
7. Beetles	46	62
8. Hornets	35	73

Team and Individual

High team, three games, Centipedes, 2112
Second high team, three games, Fireflies, 2066
High team, one game, Centipedes, 745
Second high team, one game, Scorpions, 744
High individual, three games, J. Partch, 526
Second high individual, three games, Walker, 522
High individual, one game, Fink, 229
Second high individual, one game, Partch, 203.

Top 10 Averages

Walker, 155; Fink, 149; Partch, 147; Frizzel, 140; Schultz, 139; Drake, 138; Brown, 137; Dixon, 136; Brewster, 136; Hahn, 134; Parsons, 128, and Buchanan, 128.

When driving in residential areas slow down and be on the lookout for youngsters on tricycles, roller skates, scooters and coaster wagons. Take the time to drive with care.

Lock up all classified material when it is not being used.

Bowling League Champions



THE MOHAWKS OF THE INDIAN LEAGUE will be league champions after they have bowled two more evenings. Far out in front, they have the top spot cinched. Seated is P. J. Priore, 1251, team captain. Standing, left to right, are C. C. Whitney, 1211, and H. M. Macneill, C. P. Glaese, I. S. Schaap, T. T. Robertson, and C. S. Wolowicz, all of 1251. Chester Wolowicz is not a member of the playing team, but is a loyal rooter who appeared for almost every game the team bowled.



FOOTBALL LEAGUE BOWLING CHAMPIONS of Sandia Corporation, The Red Skins, are pictured here wearing the smile of victory. Seated is Cecil H. Johnson, 1251, team captain. Standing, left to right, are Fred Eichert, 1251, Randy Parsons, 1251, Art Eiffert, 1211, Vince Melillo, 1251, and Barney Spohr, 1251.



TOP JUNGLE LEAGUE BOWLING TEAM, The Wildcats. Roy Stradford, 2113, captain, is seated and standing, left to right, are Bob McClelland, 2112, Dick Marmon, 2242, Ben Jolliffe, 2112, and Lyle Hake, 1623.

Classified

Classified advertisements to be published in THE BULLETIN must be received in writing in the BULLETIN office at least one week prior to publication date. Classified advertisements cannot be taken over the telephone. Include your name and your Base extension number.

FOR SALE—

- Hollywood style full size bed** with box-springs and innerspring mattress, head board, almost new. Cost \$90, will sell for \$50. May be seen at 3225 34th, Apt. W, W. M. Jobe, ext. 21168.
- Equity in one of two choice lots** in Sandia Manor, 85 mile panoramic view. Margaret C. Sylvanus, ext. 21238.
- Four 710-15 white sidewall tires**, less than 2,000 miles. H. F. Ward, ext 5255 or see at 1501 North Richmond.
- 1950 Chevrolet 2-door deluxe**, 13,000 miles, \$1,545. R. L. Brin, ext. 28142.
- 1948 Chrysler**, club coupe, Hilander model, good tires and heater, motor A-1. Call 5-3905 after 5:30 p. m. or see at 2202 Hendola Dr., Inez Addition.
- Remington Dual Head Electric Razor**, \$12; Universal Auto Sun Visor, \$10; AC Oil Filter, \$4; 16 Ga. Pump Shot Gun with 4 boxes shells, \$35; 12 ft. x 21 ft. Lt. Wt. Canvas Car Cover, \$12; Garden hose reel, \$1.50. R. J. Hansen, ext. 23182, 3360 48th Loop.
- Buick Rivera** late 1950, 2-door super sedan with Dynaflow, radio, heater, side mirrors and all custom equipment including undercoating and white side-wall tires. Color, two-tone green. 4,000 miles, cost \$3,100; sacrifice \$2,450. Will trade. W. O. Smitha, ext. 21186 or 25136.
- Floral drapes**, beige background, two matching pair, \$5 pr. W. O. Smitha, ext. 21185.
- 1948 Oldsmobile Six**, deluxe, hydromatic, clean, low mileage. Will trade. D. L. Collins, ext. 23149 or see at 814 S. Cagua Dr., next to San Pedro.
- Motorcycle**, 1949 Harley Davidson, model 125 with extras. Good condition, \$135. Ted Gourd, ext. 7238 or Alb. 3-1645 after 5:30 p. m. 909 1/2 N. 13th.
- One fireplace screen**, self supporting, 38 1/2" x 31 1/2", \$10; one fireplace grate, for coal or wood, 22" x 12", \$4; one boy's desk, maple finish, \$20; one boy's 24" bicycle, \$10.

Robert M. Officer, ext. 25256 or see at 612 N. Spruce, Alb. 7212.

14 foot steel boat and Martin 60 outboard motor, both in good condition, \$225. Joe Duran, ext. 6241.

Dishwasher attachment for Thor Automagic washer, like new, \$40. Doc Savage, ext. 29150 or see at Apt. 3242A on A Street, Sandia Base.

1949 Chevrolet De Luxe Styline four door sedan, Sea Foam Green, deluxe radio and heater, new tires, nylon seat covers. Looks and runs like new, reasonable. Joe Hickey, ext. 26149 or see at 2133 N. Dickason (in Inez Addition).

Baby bed and inner spring mattress. Jim Lossing, ext. 5255 or Alb. 3-0646 or see at 4520 N. 8th St.

Bush and Gertz upright piano, beautiful tone, reasonable. Mrs. Hull, ext. 22139 from 8 to 5 and 5166 evenings or see at 1810-18th Loop.

WANTED—
Boy living in vicinity of 2706 Haines Ave., to do lawn work at that address; both sprinkling and mowing. Margaret C. Sylvanus, ext. 21238 or inquire evenings 2706 Haines Ave.

Garage or room to rent for storage of small quantity of non-inflammable material. J. V. Durant, ext. 29272.

FOR RENT—
Room for one or two people, kitchen privileges or board if desired. Nancy Brush, ext 29246 or Alb. 8563, 511 S. Girard, Apt. K.

Three bedroom house, stove and refrigerator, paved patio, completely landscaped yard, near schools and shopping center. 4100 Ridgeley Drive. Kay Flood, ext. 25141 days or 28279 evenings.

RIDERS WANTED—
Vicinity of Mackland Dr., and Carlisle, two or three riders. Mel Pliner, ext. 26159.

RIDE WANTED—
Vicinity of Eighth and Roma. Ruth Cox, ext. 21249 or Alb. 6914.
5023 N. 12th St. for two people to Sandia Base. Ruby Groll, ext. 5137 or Alb. 3-0513.

ATTENTION ALL BOWLERS

Sandia Corporation and AEC personnel interested in bowling in a summer league are requested to fill out the following questionnaire and return it to M. L. Heineken, 1513; Carl Frantz, 1521, or J. L. Rowe, West Lab.

This information should be supplied as soon as possible so that leagues can be formed and arrangements for available alleys made. Specify your choice of alleys, but leagues will operate where alleys are available. Nights available will most likely be Tuesday, Wednesday or Thursday.

Name _____ Dept. _____
Address _____
Phone No. _____ Avg. (if known) _____ Alleys: Chaplin _____
Night preferred _____ Coronado Club _____
Sport Bowl _____

SANDIA BULLETIN

Vol. 3, No. 9

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

APRIL 27, 1951

Play Safe with Your Health . . .

Free Chest X-Rays Will Be Available To Employees' Dependents May 10-11

Next month Sandia Corporation employees' families will have an opportunity to participate in the all-out attack on tuberculosis. In cooperation with residents of Albuquerque and Bernalillo county, they will take part in a mass chest x-ray program.

Mobile equipment will be on Sandia Base May 10 and 11 from 11 a.m. to 8 p.m. in the parking lot by the Coronado Club and chest x-rays may be secured at that time. The x-ray service is available to everyone 15 years of age or older. The x-ray equipment sent to Sandia Base will be from the 18 units which are to be distributed throughout the city and county for the tests.

X-Ray Available

Employee dependents living off the Base may secure their x-rays at the unit located nearest their homes. The units brought onto the Base will be the most convenient for families living in the AEC housing area. Employees of the Corporation may participate in the program if they wish.

The process of making the x-ray is simple. First, you give the clerk your name and address so that the report of the test may be sent to you. Next, you remove only your coat and any metal which may be in your shirt pocket or any jewelry pinned to your chest. Then you step up to the machine, take a deep breath, hold it a second and the x-ray is made. It's painless as a snap shot and completely safe.

You will receive a report of the x-ray within two weeks. If you are called back for a second film, do not be worried—the first x-ray may not have been completely satisfactory, or you may have shown some condition for which further study is necessary.

Protect Children

Although no age group is free from tuberculosis there are few children who have the disease. By x-raying all adults and discovering those who have tuberculosis, it is possible to protect children from the disease.

No one is too old to be x-rayed. Tuberculosis may occur at any age, for age is no protection against the disease. The fact that there has been no tuberculosis in the family does not make you safe from the

disease for it is not hereditary.

Need for the test in this area is emphasized by the fact that in 1950 there were 140 new cases of tuberculosis in Bernalillo county. In that year there were 64 deaths in the county from tuberculosis as compared to 46 deaths from traffic accidents.

The survey is to be conducted by local residents and is sponsored by the County Medical Society, the County Tuberculosis Association and the County Health Department with the assistance of the United States Public Health Service.

The free x-rays are a service you are entitled to through your payment of taxes and the purchase of Christmas seals.

E Bonds Begin to Mature This May

Series E, U. S. Savings Bonds will begin maturing May 1. For the benefit of owners who wish to continue their investment beyond maturity, there are three options offered.

First, the bonds may be redeemed in cash. Second, they may be held for a period not exceeding 10 additional years during which time interest will continue to accrue. Third, the bonds may be exchanged for Series G bonds in multiples of \$500 or more.

Further detailed information concerning the bonds may be obtained from any bank or the post office.

Square Dancers to Swing to Live Music

The next square dance at the Coronado Club will be May 4 and will feature the music of the Duke City Cowboys. This popular trio is one of the outstanding square dance bands in New Mexico, with much square dancing experience. All Coronado square dancers and their guests are invited to "swing your partner" from 8 to 11.

A Square from the Coronado dancers group recently accepted an invitation from the Circle Eight Club to give an exhibition of the "Coronado Whirlaway", an original dance by Doc Rehbeck.

May 4 will be the initial dance with "live music" for the Coronado Club group. Watch for announcements of a special party on May 19.

Traffic Control Big Problem for Base M.P. Force

The quitting-time traffic problem at Sandia Base has been eased by the opening of a new road to the east gate of Sandia Base. Now, instead of cars streaming, bumper to bumper, onto or across Main street, more than a third of the crush has been diverted away from the main base thoroughfares.

But Captain Frederick Gemmer, assistant Provost Marshal and Traffic Officer, points out that snarls and bottlenecks still continue. He says military police on duty directing cars blame the lack of proper hand signals for much of the congestion at intersections.

Wave that Arm

In the morning when the sun is low on the horizon it's almost impossible to see the blinker lights many cars use to indicate the way they're going to turn, according to Captain Gemmer. However, an arm sticking out of the car to point the way seldom confuses traffic control men.

The most frequently broken regulation is parking, Captain Gemmer revealed. His files show that of the 425 traffic violations on the Base during March, 325 were the result of illegal parking.

The penalty for illegal parking is barring the car from the Base for from 7 to 30 days, depending on the circumstances. This penalty is invoked only after the offense has been committed several times during the year. The first violations draw a warning and a notation in the Provost Marshal's records.

Major Is Tough

Speeding rules were broken 96 times during March. The Provost Marshal, Major Charles H. Fair, is tough on speeders. The first time a driver goes 10 miles over the limit he gets a warning and it is recorded at M.P. headquarters. The second time he's caught they take away the base sticker on the windshield for 30, 60, or 90 days and give the miscreant a red temporary pass.

That's for 10 miles over the speed limit. When you're nabbed doing 20 miles per hour above the limit, things really get rough. On the first offense, the Provost Marshal and the Chief of Staff discuss the case with a view to revoking Base

(Continued on Page 6)



Photo by Wally Boyes, 2462-1

ACCORDING TO FISHERMEN'S LORE they bite best when the sun is setting and Mr. Trout becomes hungry. This is a typical scene in the Rio Grande north of Santa Fe where some of the best fishing is found. The sportsman, complete with confidence and creel, balances on a rock and tempts the elusive game while hoping for a full-limit catch. Just remember, it is illegal in New Mexico to fish for any game fish, except catfish, between one hour after sunset and one hour before sunrise.

In New Mexico When Spring Arrives It's Time to Get Ready for Fishin'

If you've never wet a line in a New Mexico stream, you haven't lived. Try some New Mexico trout, black bass, or perch for the best eatin' fish in the country. The finest fishing in some of the nation's most beautiful mountain areas is found not too far from Albuquerque.

Here are a few tips on choice fishing spots in New Mexico. There isn't room here to list all of them and if we've missed your favorite location we're sorry, (maybe you're pleased), but we can't name every fishing hole in the state.

Eagle Nest Lake, a beautiful spot north and east of Santa Fe, is opened to fishing on special dates named by the State Game Commission.

Bluewater Lake, west of Albuquerque near Grants; Chama River, north of Albuquerque; the Rio Grande, north of Santa Fe; Pecos River, northeast of Albuquerque, and two lakes: Elephant Butte Lake, south, and Conchas Lake, east, are open year around. There are certain sections in the lakes which are off-limits to fishermen and are used for spawning.

General fishing areas south of Highway 66 are open from May 1 to October 31. North of Highway 66, the open season is May 25 to October 31.

If you plan to try your skill and luck, you'll need a fishing license. Fee for a non-resident is \$5 for the year. A 10-day non-resident fishing license may be purchased for \$3. If you have lived in the state for six months, you may buy a resident license good for one year for \$3. Better not try to buy a resident license unless you have been here the prescribed time—if you do you are breaking the law.

Before taking that first fishing trip, it's a good idea to read some of the literature distributed by the State Game Commission which explains the

laws controlling the sport. You can get a copy of the game and fish laws at any sporting goods store. After that consult some of our local Sandia Corporation employees who are experts in the piscatorial sciences and from them get the "operandi New Mexicanus." This involves information such as the proper fly to use on a cloudy Saturday, in the Jemez, when the moon is on the wane and the weather changing. After that you are ready.

Good luck. Remember to bring to the Sandia Bulletin the story and picture of your prize catch.

Non-Members Will Pay Slightly More For Sunday Buffets

Directors of the Coronado Club have announced the following rates for Buffet Dinners scheduled at the Club every other Sunday evening.

Those who are not members of the Coronado Club are charged \$2.25 each. If they come for the dinner only, following the dinner, non-members are charged 50 cents each. Rates for Coronado Club members and their dependents remain \$1.75 per person for the dinner and dance. Members of the club who are single may bring one guest at the club's member rate.

The reason for the difference in rate, as explained by Club officers, is as follows: The entire \$1.75 charged members goes to the restaurant for the dinner. Club maintenance and cost of the orchestra are paid for out of the club's treasury. Therefore, non-members are asked to help defray these costs.



THE AGREEMENT BETWEEN SANDIA CORPORATION and The Office Employees International Union, A.F. of L., was signed this month by officials representing the two groups. Shown here at the brief ceremonies which accompanied the signing of the agreement are representatives of Sandia Corporation and officials and union officers.

Seated, left to right, E. J. Domeier, Labor Relations

Department; Robert Hawk, union president, and Kenneth Shinn, secretary-treasurer, Local 251, O.E.I.U. Standing, Jack Hart and Ernest Peterson, Labor Relations Department; F. B. Smith, Personnel Director and Treasurer, Sandia Corporation; Frank Morton, international representative of O.E.I.U., and Brad Shaw, Ralph Ridenour, James Stoll and John Stark, union officers.

SANDIA BULLETIN

Friday, April 27, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

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The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



Sickness: A Growing Problem

One of the strangest paradoxes we Americans face today is the fact that despite our constantly growing knowledge about illness and disease, sickness seems to be on the upswing. Perhaps the best indication of this comes from the records of American industry, which show a steady rise in sickness absence over the last 10 to 15 years. This rise has caused many people to ask, "Are we becoming a nation of sicklings?"

Take for example the study of sickness made by one industrial plant which reveals that the average amount of time lost from work each year jumped from about four and one-half days in 1937 to about twelve and one-half days in 1948. Women accounted for about twice as much sickness absence as men, but men accounted for the longest periods of illness. The study also revealed that almost half the time lost was the result of sickness suffered by a rather small percentage of employees.

Perplexed by this rising rate of sickness among industrial employees, many business men and doctors have sought the answer to industrial health in preventative medicine. Sandia Corporation, along with many other companies, has made available medical staffs equipped with the knowledge and facilities to furnish expert advice on industrial health problems.

It is often difficult to measure the effectiveness of preventative medicine. The only yardstick is to measure the sickness level with that of the past. Preventative medicine as a means of reducing sickness absence, and, even more important, raising the health level of employees, has achieved a certain amount of success. But sickness still remains a problem.

The reason for this is that preventative medicine, in order to be most successful, depends upon the cooperation of the individual. No one wants to be sick. But very often, through carelessness or oversight, people ignore simple health precautions until their resistance has reached a point where disability results.

Recent articles of a doctor for a large industrial plant have pointed out, "Your health is far too valuable an asset to be lost by default."

Coronado Club Schedule

(Clip this program and save for handy reference)

- Thursday, May 3—Sandia Art League meeting with special lecture.
- Friday, May 4—Big Barn Dance, music by the Duke City Cowboys.
- Saturday, May 5—May festival. Dancing from 9 to 1 o'clock. Music by Max Apodaca and his orchestra.
- Tuesday, May 8—Square dance instruction.
- Wednesday, May 9—Bingo. Enjoy a spaghetti dinner.
- Thursday, May 10—Bridge party.
- Saturday, May 12—Arthur Murray night. Dance exhibition and dancing from 9 to 1.
- Sunday, May 13—Buffet dinner-dance.
- Tuesday, May 15—Free dance instruction by Arthur Murray Studios. Learn Rhumba, Samba and Tango.
- Friday, May 18—Square dance.
- Saturday, May 19—Frontier Party. Dance, and patio barbecue. Reservations. Dancing from 9 to 1. Ernie Wood and orchestra.
- Tuesday, May 22—Square dance instruction.
- Wednesday, May 23—Bingo. Enjoy a spaghetti dinner.
- Thursday, May 24—Bridge party.
- Saturday, May 26—Informal dance.
- Sunday, May 27—Buffet dinner-dance.
- Tuesday, May 29—Juke box dance. New selection of hit records.
- Wednesday, May 30—Memorial day. Have dinner at the club.
- Saturday, June 2—Coronado Club First Anniversary Party.

Lambda Chi Alums Invited To Founders' Day Dinner

Lambda Chi Alpha alumni working for Sandia Corporation are extended an invitation to attend a Founders' Day dinner of the University of New Mexico chapter, April 28, at the Hilton Hotel. National officers of the fraternity will participate. Those interested should contact Ernie Schwam, 1531, ext. 22142 or W. A. Peterson, Alb. 5-4289.

Castaways Will Forget Plight in Shipwreck Party

FLASH! Faint signals have been picked up from the stricken luxury liner USS Odanoroc, floundering in the hurricane somewhere near the South Pacific atolls.

According to Coast Guard outposts the order to abandon ship has already been given and passengers have reached the tiny island of Aidnas. Dispatches still coming in report that the survivors are planning a huge party to celebrate their escape.

The festivities will begin Saturday, April 28, at 8:30 in the island's Coronado Club.

Hal Ream, Ed Clamp and Jim Galbreath, the shipwrecked mariners' entertainment committee, are staging the affair. The Club will be decorated with special tricks and gadgets for the party.

Passengers, crew, and islanders will, of course, be dressed as they were when the catastrophe occurred. Prizes will be given for the best costume.

If you've never traveled to little Aidnas, this is your chance to see the Coronado Club and get acquainted. There'll be dancing to a shipwrecked band from 9 to 1. The dance is free to all members and 50 cents for members' guests.

Don't miss this chance to be shipwrecked.

Cooperation with Security Guards of Sandia Corporation will help improve the security program for Sandia Laboratory.

Providing security for your future means peace of mind today. By using the payroll savings plan you may buy a bond a month and in 10 years your dreams may become realities.

Hammer, Saw Artists Use Woodworking Shop To Build Radio Cabinets, Desks, Motor Boats

Every once in a while the door of a long, unpainted building just south of the PX opens and someone comes out carrying a finely constructed piece of furniture.

It's not always furniture, once three men came out staggering under the weight of a 16-foot outboard motor boat.

Nocturnal Noises

The things that go on in that building usually happen at night amidst strange mechanical roars and screeches. The man best qualified to explain the purpose of building 214 is Lee Cheeseman, 1523-1, president of the Sandia Wood Working Hobby Shop.

About two and a half years ago, Les Rowe, 2430, Bill Kraft, 2211, Cheeseman and a few other wood-working hobbyists banded together and began looking for a place to do their sawing and hammering. Their search ended when military officials on the Base let them take over an old barracks near the PX.

The jubilant jig-saw jockeys immediately issued a call for volunteers. About 15 men responded and the project started to get up steam. First the building had to be cleaned and repaired. Some of the new club members rolled up their sleeves and grabbed brooms while others crawled under the sagging floor and put in shoring.

Luck Runs High

Next the Sandia Arts and Crafts provided \$50 for the initial procurement of tools and equipment. While their luck was running high the hobbyists elected officers—Lee was named president—and drew up a constitution and by-laws. The initiation fee was \$1 and dues were \$0.50 per month. These charges are still in effect.

They operated this way for about a year, but then as the Base expanded space became critical. The group had to consolidate with Army Special Services, under Colonel Kenyon Woody.

They operated jointly for another year until Colonel Woody found space for his club elsewhere. The two clubs were able to split up, which was better because conditions had become crowded.

Just two months ago the building was officially assigned to the club and MARS radio station, a military amateur group.

Lee Still Boss

Now the club operates independently with Lee still president, Chuck



PUTTING THE FINISHING TOUCHES on a radio cabinet designed with a built-in aquarium is Kenneth Pope, 2113-4, a member of the Sandia Woodworking Hobby Shop. The saw guard was removed while the photograph was being taken. Note that Ken holds the material in such a way that his hands are not directly in line with the saw blade.

Katzenberger, 4212-1, as secretary-treasurer, and Whitey Hollenbeck, 1532-3, the shop foreman.

There are about 80 members in the organization today, ranging from superintendents to janitors. They work side by side on a great variety of pet projects.

Lee says radio cabinets are the most popular item with coffee tables a close second. Right now Jim Palmer, 1621-4, is working on a Klipschorn radio speaker cabinet. This, according to Lee, is the best radio acoustics system designed to date. It's about three feet high, and four feet long. A terrifically complicated all-wood contrivance, it proves that these men are not in that building just to whittle.

But if they wanted to whittle they could do it under power. The machine-driven equipment in the shop includes a wood and a metal lathe, a wood and a metal shaper, a planer that can conceivably take on a piece of lumber 24 inches wide and 18 inches thick, a buzz saw, hand saw, drill press, hand and bench sanders, and a grinder. This in addition to a complete line of hand tools.

There are advantages to being in the club besides hewing wood. The organization is able to get cabinet grade hard woods at dealers' prices. Members can also get tools and

Instrument Society To Elect Officers

A discussion of micro-precision in production will be presented by Adam Gabriel, of the Acme Industrial Company, at a meeting of the Instrument Society of America, May 7, at Hadley Hall, University of New Mexico, at 8 p. m., it was announced this week.

Officers were nominated at a meeting of the Society April 18, according to John A. Southwick, 1282, meeting committee chairman. M. T. Muzzey, 3124-1, is opposed for the presidency by Prof. R. W. Tapy, head of the electrical engineering department at U. N. M.

Candidates for vice-president are William Bostwick, 1511-5, and John Risley, 2123. Contending for the National Delegate post are William L. Beale, a representative of the Minneapolis Honeywell firm, and John Lohse, 1121.

Results of the letter ballot election will be announced at the May 7 meeting, Southwick said.

Claude M. Hathaway, president of the Hathaway Instrument Company, spoke on strain gage measuring techniques at the April 18 gathering.

equipment through the club at dealers' prices.

Lee points out that it's not a closed outfit. If you want to get in on the act, call Lee Cheeseman at 29253—Bldg. T-839.



HERE ARE OUR THREE MAROONED MARINERS who are planning the shipwreck party at the Coronado Club Saturday, April 28. Hal Ream, Ed

Clamp and Jim Galbreath, with the aid of Artist Felix Padilla, pull themselves out of the water with thoughts of the big "shebang."

Sandia Bicyclists Pause in Their Pedaling to Discuss The Merits of Their Favorite Mounts and Equipment

There's a Great Debate raging amongst certain Sandians. They've aligned themselves into four schools of thought on the subject of bicycles, their design and usage.

Each of these enthusiasts rides a bike to and from work daily and this gentle custom has evolved into a hotly contested debate between proponents of gear and handbrake bikes and those who favor the standard foot-brake, gearless machine.

High vs. Low

The other two schools of thought form the pro and con of high seats versus low seats. The high seaters insist that the leg when stretched out must just reach the pedal on the down stroke. Efficiency, they cry; bikes are for riding not sitting.

Glaring at these racing style cyclists are the low seat advocates. Bill Kraft, 2211, leads this side. He maintains that the feet should be able to touch the ground at all times. Efficiency is secondary with him; comfort comes first.

Bill was in a car pool back in November until the pool disintegrated when members began switching to bikes.

"Finally," Bill says, "I had to buy one in self-defense."

Spills in Snow

His choice was an English design with three gears and handlebar control brakes. He bought it in November and his only mishap to date is a spill he took while testing the brakes in the snow this winter.

One of the most accident-prone of the Sandia cyclists is Corry McDonald, 1250, a veteran pedaler who has wheeled around the base on a bike since 1947. Corry tells of the time he and Charles Runyan, 1220, were riding side by side when somehow their handlebars entangled, the bicycles collided, and the two-riders executed graceful somersaults over the front wheels.

Corry also lists a tilt with a parked car during a head wind amongst his lesser accidents, and the time Earl Pace, 2312, a fellow cyclist, ran him down as perhaps the most serious mishap. Corry wasn't hurt either time, but Pace had his bike, his face, and his glasses damaged.

Dewey Debunks

Corry is a high seat or straight leg man and an advocate of the gear and handbrake. One of the chief debunkers of the gear shift is Frank Dewey, 200, who is quick to point out that the base is on flat land and therefore talk of



BICYCLE COMMUTERS Bob Thomas, 1251, a Gear-Shift, Hand-Brake, Straight Leg man, glares across his English bicycle at Cecil L. Johnson, 1211, who represents the other side in the hotly debated Battle of the Bikes.

gears is ridiculous. When someone like Bill Kraft says they're needed because of the local high winds, Frank scoffs, "Frills, that's all gears are, frills."

Frank is a would-be straight leg man, foiled by his own size. He's 6 feet, 3 inches tall and he's got the seat on his bike up as high as it will go, but his feet still reach the ground easily. Thus Frank becomes a high seat man without being able to display a straight leg on the down stroke. Very embarrassing.

No Monopoly

Men have no monopoly on bicycle riding. Penny Devaney, 1512, reports that many dormitory girls ride to work each day. Both Penny and her husband Howard have been cyclists for years. They join in supporting gear shifts and the straight leg theory. Penny has found that her two-speed shift gives her a rapid pick-up at crossing. Their only point of difference is on brakes. Both have English type bikes, but Penny's has a foot brake and Howard has a hand brake.

The percentage of tall cyclists is surprising. Frank is the tallest, but Bill Kraft stands 6 feet, 1 inch, Corry reaches 6 feet, 2 inches, and there are several other bean poles. They all boost the health advantages of cycling. Kraft gives an enthusiastic testimonial.

"I used to puff after the long ride to work," he says, "but not now. Bike riding has made me feel better than ever."

Not All Giants

Bob Thomas, 1251, agrees wholeheartedly. He proves that cycling is not entirely the sport of giants. Bob is 5 feet, 4 inches which makes him another anomaly—a low seat man who believes in the straight leg.

Bob is a newcomer to the ranks of the bicycle squad. He immediately sided with the gear group, upholding the high wind theory in defiance of the flatland opinionists. Because he got his bike, an English lightweight job with lots of what Frank Dewey would call frills, only three weeks ago, Bob too had to get a license.

Licenses are available at City Hall, and consist of a little aluminum plate fastened on the bike with a tamper-proof seal. Bob says they cost a dollar this year and they'll be only 50 cents next year. As a double precaution, the plate number is die stamped on the bicycle frame.

Thorn Trouble

The exact opposite of Bob's English bike is Cecil Johnson's standard American design. Cecil, 2211, has a bicycle with no gears, a foot brake and balloon tires. He puts a gluey substance called Never-Leak in his inner tube to repair leaks caused by thorns. He complains that whenever he lets the bike sit for awhile the Never-Leak settles and the tire goes flat.

Most of the riders report little difficulty with catching their cuffs in the chain, except, of course, Corry McDonald. His pants somehow manage to get under the guard and into the mangling chain. A new pair of slacks were recently ruined that way, he says.

Frank Dewey says someone swiped his pants clip so he switched to rolling them up. Bill Kraft can't understand all the fuss. He claims he never used clips or rolled up his pants and has had no trouble at all.

The ranks of Sandia's bicycle riders are swelling constantly, but no matter what sides they take, they're all agreed on one thing—the bicycle is definitely here to stay.

Get on the band wagon. Buy Bonds and prepare for the future.

Terry Riggen announces that the first rehearsal of the male chorus will be held at the Coronado Club tonight at 7:30 p.m. All interested are invited to attend.

Sandian Helps Care for Korean Boy Who Has Joined Forces with GIs



SALLY and PETE

Promotions come infrequently to many men in the Army, but for Pete, a Korean tot, it's a promotion almost every week—that is if he obeys all the Army regulations and is a good soldier.

Sally Hyatt, 2461-2, keeps posted on little Pete's life through information from an American captain on the fighting lines to whom she is sending books and toys for the youngster.

Child in Rags

Pete was found in Seoul on a bitter cold December day when United Nations forces were preparing to pull out. A guard heard whimpering coming from a packing box shack and found a child clad in filthy rags, hair matted, with a swollen abdomen and emaciated legs and arms.

He was given a bath, sprayed with DDT, dressed in salvage clothing, fed soup from a K-ration box, rolled in a blanket and put in the captain's quarters.

Sally says that when the troops left Seoul, her friend held Pete on his knees through the long Jeep ride south.

Pete, as he was named by the GIs, does not remember his real name, nor his mother or father. The captain has not been able to find any

living relatives of the boy. The Americans have given him his own mess kit and he eats in the company mess. He wears cut-down GI clothing, "long-johns" and all, and like the rest of the soldiers takes care of his own gear. Pete's age is not known, but the captain estimates that he is about 6.

Loses Stripes

Every week that Pete is a good soldier he gets a promotion and once went as high as master sergeant, but was "busted" for a violation of regulations.

A big event in the little fellow's life was the purchase of a red Sears-Roebuck tricycle by the soldiers of the company. Despite the deep mud, he travels along with the troops. His orders are to get a trip ticket from either the first sergeant or the commanding officer before he uses the tricycle, but sometimes in his excitement he forgets and as a result loses his stripes.

Pete's education isn't being neglected. Sally says he is "sharp as a whip" and is learning English fast. She plans to send more clothing and other necessities to the orphan as soon as the war is over. The captain writes that he has arranged with a missionary group in Taegu to take Pete and educate him.

Weddings— Engagements

Dorothy Schardon's marriage to Pfc. William C. Reifsnnyder has been announced. Dorothy is employed in 2241-1 and her husband is with the



Mrs. Reifsnnyder

8458th AAU-MP Company on the Base.

A. M. Watson, 2452, was married to Pearl Chadwell April 16 at the home of Mr. and Mrs. Samuel Jones, 580 Neva dr. Mrs. Watson is a nurse at Widney Clinic and the couple will make their home at 568 Neva dr.

Jeannette Isles, 2314, and Ted

Do We Make the Breaks Or Do the Breaks Break Us?

Take a piece of wax, a piece of meat, a bit of sand, some clay, and a few shavings; put them into the fire and see how they react. One instantly melts, one starts frying, one dries up, one hardens, one blazes. And every one is acted upon by the same agent.

Just so, under identical influence of circumstances and environment, one man becomes stronger, another weaker, and another withers away. Not so much what is done to us but what we do determines our character and destiny.—ARF News

Perlman, 1270, will be married May 5 at the home of Jeannette's parents. Jeannette, an Albuquerque girl, is a former student of the University of New Mexico. Ted hails from New Orleans, La. The couple will reside on the Base.

The engagement of Marcia McMullan, 2333, to Bill Chown, 1611-2, has been announced. No definite date for their wedding has been set.



PRIZE-WINNING PICTURE "Old Timer," a photograph of a Santa Clara Indian taken by J. J. Michnovicz, 2462, won a distinguished print award at the Southwest Photographers Convention in Fort Worth this month. Mike displays a large copy of this picture on the walls of the Photographic and Reproduction Division office. While at the convention he was reelected council representative of the Photographers Association of America representing the Commercial Division of the state of New Mexico.



FATHERS AND SONS LEARN RADIO CODE at the class being offered by Sandia Base Radio Club. W. T. Moffat, 1610, and his son, Tom, and E. L. Brawley, AEC, and son, Teddy, wear earphones and take code in a practice session. Half the class period is devoted to practice and the remainder to theory. Instructors in the class are Frank Irwin, 1713, and Lt. Paul Arndt.



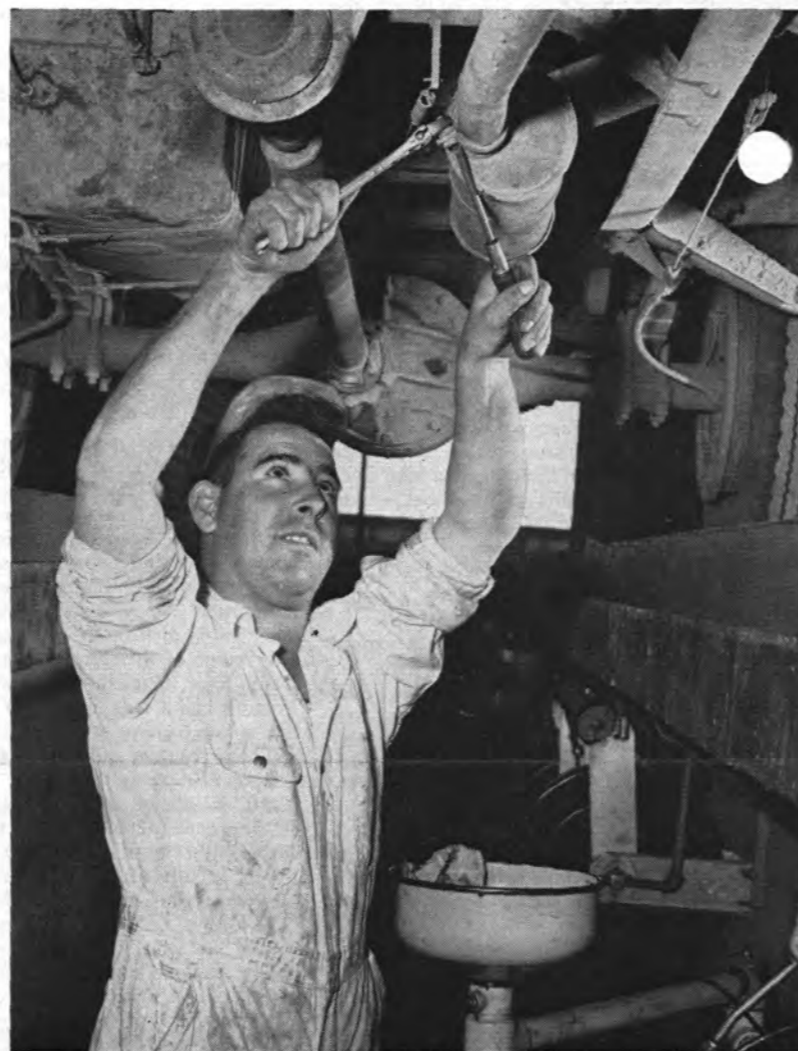
MOTOR POOL PARTS ROOM is a busy place. A multitude of parts is always on hand for use in repair work on many different types of vehicles. Left, John Shine makes a notation of parts delivered to Mechanic Ernie Garcia, right, while Bernard Callegos, center, checks the parts catalog.

Keeping 'Em Rolling Keeps 'Em Busy In the Motor Pool

ANOTHER BUSY SPOT in the motor pool is the paint shop where Corporation cars and trucks are kept looking bright and clean. Lloyd Kelton is checking a touch-up job on a station wagon. Lloyd is an old hand at the automobile painting trade and always wears a mask while spray painting.



CARS AND TRUCKS require continuous maintenance to keep them in top condition. Florentino Gabalbon checks the connections on a muffler while the car is over the grease pit where he has at one time or another serviced most vehicles in the motor pool.



NEED A TAXI? Here is Burl Brown, one of several drivers in the taxi service, who is ready to take you on your official errand. Drivers are on duty during working hours and their friendly, courteous manner is well known to those who use their transportation service.



HEAVY EQUIPMENT OPERATORS Stanley Brooks, Lewis West and Jesse Floyd give a piece of heavy equipment the "once-over" before it goes into work for the day. All types of equipment from light sedans and pick-up trucks to multi-ton trucks and giant cranes are in the motor pool and it takes many specialists to keep everything in shape. Jesse worked for Sandia Corporation before entering military service and after his discharge returned to his old job at the motor pool.

Different Types Of Vehicles Call For Varied Skills

If you ever have had trouble with your car, you may multiply it by a hundred or so and realize the task which confronts the Motor Pool Division of Department 2140. Only it isn't that simple; you have one model car, but R. D. Flaxbart, head of the motor pool, has passenger cars, small trucks, large trucks, tractors, fork lifts, earth moving machinery, cranes, and even bicycles to keep in good running condition.

That's a big order. The job is done through the organization of a staff of highly trained mechanics, drivers and maintenance men working in a modern, efficiently arranged shop.

Jobs done in the motor pool maintenance shops range from a spark plug change to a major overhaul, or maybe only a bolt for a bicycle fender. The shop is staffed with mechanics and supplied with instruments and tools to tune motors, repair tires, do body and fender repair. Any work done in a commercial shop is done here, and then some.

The accompanying illustrations depict only a small bit of the work done daily in the motor pool and only a few of the men who staff the division are included in the pictures.

TRACTORS ALSO ARE OVERHAULED in the Sandia Corporation motor pool and sometimes it takes a near-acrobat to get into the mechanism. In this photograph Jack Stagner pauses in his work on a transmission and smiles at the cameraman. Heavy equipment used by the Corporation requires constant care and expert mechanics such as Jack to keep it in top working order.



Expert Pistol Shot Frowns on Hip Shooting Style; Goes Ahead to Win Championship in Two States

Even when Ralph Larsen was a boy he liked guns. He used to keep one hidden when he was 14 so his father wouldn't find it. He studied pistols until he could take them apart and put them together again blindfolded.

Now this knowledge has paid off. Ralph, 2123-1, has held the state pistol shooting championship of both Arizona and New Mexico in addition to a long list of other marksmanship titles. On Sunday he'll be trying for another trophy at the Arizona state championship match at Phoenix.

Hip Drawing Poor

The 49-year-old sharpshooter scoffs at the old western method of hip-shooting.

"It's inaccurate and slow," he claims. "There are a few F.B.I. men who are good at drawing from the hip, but in general a shoulder holster is better if you're in a hurry."

Ralph advocates a shoulder holster split down the side, with a spring clip to hold the gun firm. That way you can slap the weapon out and into aiming position fast.

"You get the feel of the gun, too, in a way that's impossible by drawing from the hip."

An instrument maker by trade, Ralph began seriously competing in tournaments 16 years ago. He won medals by the dozen in small tournaments, but he still thinks of 1946 as the year of his first big win. That was the year he took the expert championship of the mid-west.

After that victory, he took a trip to Camp Perry near Toledo, Ohio, where for 20 years the national championship tournaments in small and big bore rifles and in pistols were held. There he collected half a dozen medals, but no championship.

Ralph has eight Colt pistols, and uses three different models in the matches, a .22 Colt Woodsman, .38 Officer's Model, and .45 Army automatic. The .45 is the gun he recommends for shoulder holsters.

Pistol shooting as a hobby requires a lot of travel. Ralph has taken trips to tournaments in such places as Tampa, Fla., Fort Sheridan, Ill., Louisville, Ky., Denver, Colo., and now he's planning to compete again in the Arizona championship match.

Beats Country's Best Shots

Recently he and his wife, Ruth, 2461-3, and a fellow employee, Al Rizzoli, 2123-1, went to the California State Pistol Match at Calexico. Ralph didn't place, but that hasn't dimmed his enthusiasm. He's beaten the best and lost to the worst. That's



STANDING BEFORE THE MEDALS and trophies he has won throughout the nation is Ralph Larsen, 2123-1, who is aiming for the Arizona State Championship this coming Sunday.

the way the sport goes.

Among the best that he's beaten are Harry Reeves, national champion in 1946, and Al Hemming, both Detroit cops and both recognized as the nation's top dead-eyes. But, as Ralph is the first to admit, beating these men is not a frequent occurrence.

Nevertheless, Sandia's triggerman can list the regional championship of New Mexico, Arizona, Colorado, Wyoming and Nebraska among his achievements. He took the event in 1948 and a year later placed third in the same competition. That same year, 1949, he became Arizona state champ and went on to win the New Mexico championship last year.

The day after tomorrow Ralph will be out at Phoenix trying for another championship. The whole Base is rooting for him.

Max Weber, 1714, takes off tomorrow for the east on his vacation. Max will visit relatives in Monroeville and Newark, N. J. He plans to take the southern route east in order to take in some of the scenic spots.

Traffic Control

(Continued from Page 1)

privileges. On the second offense at 15 miles over the limit an official report is sent to General Leland S. Stranathan, Base commander. This usually means, "Get outa here with that heavy foot and don't come back for from 7 to 60 days!"

Fair Judgment

Offenders are not always banished from the Base, however. Captain Gemmer emphasizes that each case is judged on its own merits. The circumstances are always taken into consideration by those making the decision.

It is usually an aggravated case when a car is kept off the base for a specified time. Currently only three cars are banned, each for 90 days.

In the housing area speed regulations are even more stringent. A warning is issued and notation made the first time a driver goes 10 miles over the limit, and the second time a command letter is written. You can get your name before the general on the first offense if your car hits 20 miles over the limit.

There are 115 people involved in traffic control at Sandia. This includes the M.P.s at school locations and other military personnel handling administrative problems. So when the man in the white helmet says slow down, he means it. He has an efficient organization with rigid regulations backing him up and a fine record to maintain.

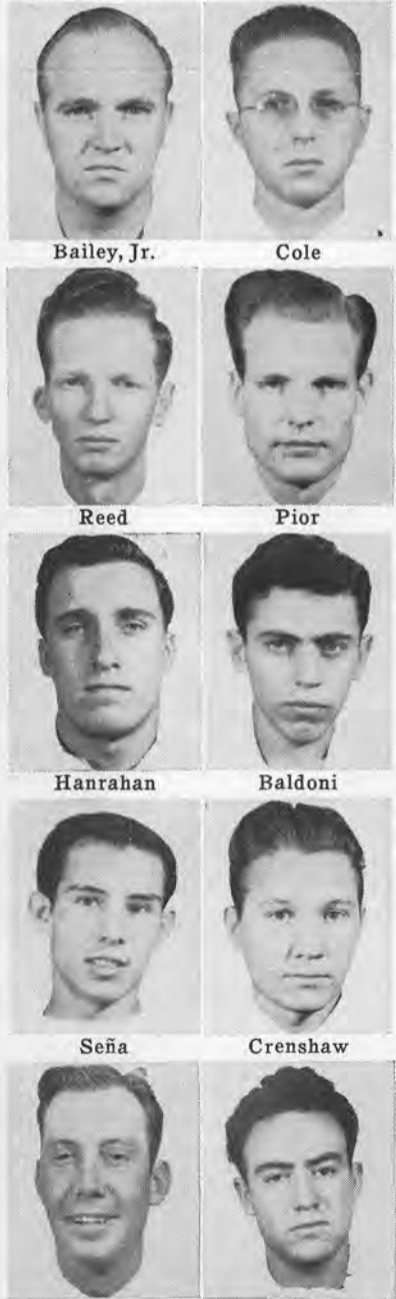


Moving parts
Have lots of speed
And do not care
On what they feed

Wear the right clothes for your job. Around machinery wear no loose or ragged garments, ties, long sleeves, jewelry or gloves. Dress the part for your job, even high heels can be dangerous.

Employees Enter Military Service

More Sandia Corporation employees have or will enter military service during April. Benny M. Garcia, 2231-4



Bailey, Jr. Cole
Reed Pior
Hanrahan Baldoni
Seña Crenshaw
Kussell Garcia
was called by Selective Service and Donald Pior, 4132, volunteered with the Air Force.
Those recalled by the National Guard were Lawrence R. Bailey, Jr., 2452; David T. Reed, 2251; William B. Russell, 2311; Michael J. Hanrahan, 2232; Ernest S. Crenshaw, 2452; Adolfo E. Sena, 2415-1; Robert J. Baldoni, 2224, and Howard H. Cole, 1133.

AROUND THE DEPARTMENTS

That new smiling face that greets you at the receptionist desk in Personnel is Dee Dee Kirby who has replaced Jane Heinsch. Jane is now a member of the women's interviewing staff.

Franklin Barnett, 1124 at West Lab, was one of the first-prize winners at the Los Alamos Stamp Collectors Association stamp exhibit. The material was assembled by members of the Albuquerque, Santa Fe, and Los Alamos stamp clubs.

Kay Naylor, 2111-1, is back at work recuperating from her vacation. Kay painted cupboards and entertained during her supposedly restful week.

Bud Foster, 2113, is another vacationer. He drove back to visit his parents who live near Mount Gilead, Ohio.

Erma Fauerbach and Inez Koehny are city doubles bowling champs for the women. The Eighth Annual Albuquerque Women's Bowling Tournament was held at Chaplin Alleys. Erma is employed by AEC and Inez works in Army Headquarters on the Base.

Edith Moya and Theresa Cochran are two newcomers in 2241-1. The whole section extends a welcome to them. Edith is an Albuquerquean and Theresa is from New York City.

Dr. Hirsch will be gone another week attending several medical conferences. Dr. Joseph G. Riley will be on hand at Bldg. T-818 during the afternoons to take over some of Dr. Hirsch's duties.

Department 3160 welcomes Mildred Whilten who has transferred from the Salton Sea Base to work as visiting nurse here.

Those in 2210 claim that without them Evelyn Wade might not have finished the bowling season with the \$15 prize money. The office support contributed much to Evie's victory, they say. Evelyn was a member of the Centipedes team that came in second in the Ladies' Insect League.

Mia Faulk, 2210, is spending a few weeks at home in an attempt to regain her health. Jessiman Mussen, a former twenty-two-tenner, is temporarily filling the vacancy.

New personnel in 1290 are Mary Fresquez and Warren Curry. Mary, who will be in 1292, is from Albuquerque. Warren is from Ann Arbor, Mich., and will be in 1295.

Louise Cooper, 4130, one of the Bulletin reporters, is enjoying a vacation. Louise has relatives visiting her and she plans to make several short trips around the state with them.

Personnel of 1290 are hoping that Mrs. John Wiel soon will recover from her illness and return to her job as department secretary.

Ed Harley, 1715, has just finished two weeks' active duty as a lieutenant in the Navy. He attended the Guided Missile School at Johns Hopkins University, Silver Spring, Md.

Mr. and Mrs. Hoyt S. Westcott are the proud parents of a daughter born April 17. Hoyt is division supervisor of 4221.

Martha Reidel, AEC, is flying to Erie, Penn., for a two weeks' vacation. Martha's family lives in Erie.

Ray Pletzel, 1714, is smiling again. For the past two months that Ray has been here, his family has been in Plymouth, Ind., and Ray has found it rather lonely. Today Mrs. Pletzel and their two daughters will arrive and as soon as the family

furniture gets here, the Pletzels will be at home at 3808 E. Anderson.

Welcomes are extended to new AEC personnel—Charles Schwetzer, George Hauquitz and Sue Scott. George is a native of New Mexico; Charles is from New Jersey and Sue Scott, who has been in Albuquerque for some time, originally comes from Pennsylvania.

Frank Baezek, AEC, is the proud father of a son born April 19. That makes two boys for the Baezek family.

Bob Frady, AEC, was in Washington, D.C., last week attending a transportation conference.

Pat Griffin, AEC, is dividing her two weeks' vacation between Denver and San Francisco.

The badge office gang of AEC had a get-together at the Coronado Club April 15. Those attending were Val Gault, Peggy Henrie, Edna and Jack Fowler, Mae and Bob Fegan, Juanita and Ralph McDonald, Delores Murphy, Dona de Ford, Andy Walker, and members of their families.

Jim and Lois Allen have an addition to their family, Karen Gail, born recently. Lois formerly worked in 2333 and Jim is with 1523-2.

Personnel of 2461-2 extend best wishes to Pat Daly who is leaving the Corporation to become a stewardess for TWA.

Wynne Cox, 2461-2, returned last week from a week's vacation in Las Vegas, Nev. People in her section are wondering whether Wynne won.

Mr. and Mrs. Ed J. Lewis became parents of a daughter March 28. Ed, who works with 2510, has been showing pictures around the office.

The stork visited two in Department 2235 recently. Alfred J. Heimer has a daughter and F. T. Miles, a son. It's reported that the cigars were good.

Friends and co-workers of Paul Sanchez, 2235, extend their sympathy. His father died recently.

Personnel of Department 3230 recently sent to Ed Lewis, now with Western Electric plant at Hawthorne, a memento of his service here at Sandia. Mr. Lewis was with Department 3230 and returned to Chicago October, 1950. The memento consisted of a caricature of a typical easterner sitting at a desk, dreaming wistfully of all the people he left behind at Sandia Corporation.

C. F. Robinson, 1243, and Harvey Lathrop, 2123, are enjoying a two-week visit with their sons. Alan Robinson and Glenn Lathrop came home together on leave from the Navy.

The dapper W. B. Hoyt, 1242, has ceased wearing bow ties since the last one caused such a stir among his fellow workers. It was such an attractive tie that the men in the office wanted a better look and crowded around the desk until Bill was forced to remove the tie and place it on top of the light fixture to get rid of the crowd.

West Lab was all excited recently when Eugene, the helicopter, visited them, but it's reported he didn't visit the technical area.

Flashy shirts are sprouting out at West Lab. Helen Swanson, 4211, says she is blinded by the bright fish and coconuts.

West Lab personnel wish to welcome Irene Hanson to 1121; Dorothy Vulgin to 4211. Irene is new and Dorothy transferred from 2260.

Levaughn Brown is now secretary to W. A. Janvrin, 1131 at West Lab. It was a promotion for Levaughn.



Charles E. Runyan, 1220, is illustrating a comedy stop on ice. Charlie has performed in comedy acts with the Winterland Ice Review troupe which toured the eastern states.

Runyan Used Engineering Know-How With Skating Ability to Make Ice Rink

Charles E. Runyan, 1220, has not only proved himself adept as a mechanical engineer, but also as a master of the art of figure skating.

Charlie was graduated from Purdue University in 1933 with a degree in mechanical engineering but didn't attempt ice skating until 1938. And, unlike some people who spend a great part of their lives skating and never take any honors, Charlie mastered the silver blades in two years. With his partner, Nancy Ann Carhardt, in 1940 he won the pair-skating title in the Indianapolis amateur open-competition. From there his ice skating took him to the Winterland Ice Review troupe which toured Ohio, Pennsylvania and western New York. Charlie appeared in the chorus and in a comedy act with Jimmy Caesar, who is currently one of Sonja Henie's speed skaters and barrel jumpers.

Charlie next combined his engineering with ice skating. While with the Winterland Ice Review he aided James Cummings, Jr., another Purdue engineer in building the first portable ice rink. The portable rink was designed to be carried in two semi-trailers and set up in five hours. One trailer contained a refrigeration unit operated by three gasoline-powered engines and the rink could be used independent of a local power supply. Charlie explains that

the brine was cooled in much the same fashion as in the conventional rink, but instead of using coils, steel platters about 2 feet by 20 feet held the brine which was pumped through flexible hoses from the power units. The platters, which were placed over cork to prevent marring any floors, could be joined together to form any size rink. Charlie said they once set up in an auditorium and made the rink 40x40 feet which was the largest they ever erected.

After working one season with the Winterland Ice Review, Charlie went to Detroit where he became a member of the Detroit Figure Skating Club. Shortly after he joined the club he broke his leg and was unable to skate for a couple of years.

Charlie has been in the southwest since 1943. He worked at Los Alamos before coming to Sandia Base in 1946. He helped organize the Albuquerque Figure Skating Club and performed in the first local show given. When the Club was first organized he was treasurer, and has served continuously as a member of the Board of Directors.

Charlie and his wife, Betty, have two children—a girl, Janis, aged three and a boy, Dennis, aged five. Dennis is learning the techniques of gliding on ice and hopes to take after his father.



Mr. and Mrs. J. C. Starks and son, Dan, are pictured here attending the security lecture given recently at the Coronado Club for Sandia Base employees and their families. Mr. Starks heads 1810 of Sandia Corporation. Several hundred people were present and heard talks from Sandia Corporation, AEC and Army representatives.

What Is Your Opinion . . . If You Were to Lose Everything You Own What Would You Do?

JAMES M. MESNARD, 1241. If this included my clothes, it would be mighty embarrassing. The reasonable answer would be to climb in a hole and pull the hole in after you. Seriously, I have enough insurance on my property to go out and collect. Then I'd buy some clothes and start over again. I did it two years ago when I got out of school and came to the southwest; I guess I could do it again.



MARJORIE K. BLUCK, 3124-1. First, I'd have to get a job and start all over. With the job as security, I would get a small salary loan and deposit it in the bank so that my credit would be established and I would not be in the same situation again.



MYRON W. BARNES, 4131-2. I would probably be slightly stunned to say the least. I'd probably be looking for some clothes. There wouldn't be any use borrowing any money. I'd have to look for a job and start from scratch. That's about all one could do under the circumstances.



PENNY DEVANEY, 1512-1. I would probably feel lower than a snake's hip, but I would promptly gather up my insurance policies and camp on the insurance company's doorstep. Ten to one I would have enough clothes on to get by for awhile until the insurance company paid off. It would be like taking a new tally on things from there, finding out what you could do with what you had.



C. E. WHEELER, 2130. I'd find a new job and start all over. I started from nothing once and I guess I could do it again. Of course, if it happened 10 to 15 years from now, it might be too late to start over.



MARUTH G. GRUVER, 4120. If I were working, I'd save everything I could and start over. I'd live on a much closer budget and try to replace everything I had. Before I'd do anything else, I'd check to see what insurance covered.



Keep Safety in Mind

Safety in the minds of all, coupled with a constant alertness, will insure

- Simplicity of operation
- Accident prevention
- Freedom from tension
- Efficiency on the job
- Top production
- Yearly accident records of which we may all be proud.

A bond a month is easy when you use the payroll-deduction plan. Secure your future with savings bonds.

Ex-pro prospector Recalls Finding Petrified Forest 20 Years Ago

Twenty years ago a young prospector roaming the San Pedro mountains near Cerrillos, a town close to Madrid, northeast of Albuquerque, discovered he was in the middle of a petrified forest.

Still There

"I haven't been back there since," said Max Roberson, 2413-2, "but I know it's still there."

Max is section supervisor of the Carpentry Shop. He began prospecting while still in his teens during the depression. Jobs were scarce so the



Max Roberson

youth and a few companions loaded up an old car and set out to hunt gold, living off the land as they went. It was on one of these trips that he stumbled across the petrified forest.

"Part of the land was owned by an old man," Max recalls, "but I only met him once and I can't remember much about him. There were plenty of petrified logs lying around, though."

The former prospector, builder, lumberman, farmer, and executive remembers that the forest lies about six miles east of little Cerrillos.

Big Failure

Max belongs to the legion of prospectors who never struck it rich. "For every dollar taken out, two dollars are spent in the taking," he says. The biggest failure was his part in the famous Pankey strike in 1931.

It seems that during an ancient geological upheaval a huge slab of rock, called a dike, was forced up vertically through an earth fault in the San Mateo mountains by internal pressures. Somehow it broke off and tumbled down the mountain, landing with its bottom side up. This great rock, measuring about 20 feet wide, 50 feet high and 1,200 feet long, was loaded with gold.

Spring Housecleaning Runs the Year Around in the Well Organized Shop

Remember the cartoon showing a convict, wringing his cap, standing before the warden, complaining of his cell-mate? Said the man in the stripes, "He ain't neat."

Or do you remember the old movie where W. C. Fields had to prowl through a maze of debris on his desk to find a piece of paper?

Neat Not Dainty

These two instances, and many others, bring to mind the often discussed subject of orderliness as a requirement in performing a job. Now we're not confusing the shops of Sandia Laboratory with the "Dainty Lady Shoppe" on Main street. There is too great a difference there, but there is a great difference between a neat plant and a messy plant.

It's easy to spot a poor shop. You can point out a man who has seen better days—he has eggs and gravy on his vest and a two-days growth of beard. Translate that into laboratory language and you don't have to be told when a department has egg on its vest.

According to an employee in one of the shops of a large plant, (he had seen the cartoon) "If you ain't

In 1931 an old desert rat discovered the gold after camping on top of it for almost six months. A wealthy rancher nearby, named Pankey, took over the mining development and soon a town sprang up complete with hotel, saloons, and processing mills.

The gold was assayed at \$75,000 to the ton, but no one knew the precious metal was confined to the dike.

Into the San Mateos, where 24 inches of snow fell that winter, came Max Roberson and six friends. The dike was sewed up by Pankey, so they staked out 105 claims on worthless ground in the northern extension of the Pankey mine. Then they spent days packing in equipment over the mountains on their shoulders.

Folly Is Realized

Max worked six months on the useless claims before Pankey's miners dug through the dike to the country rock below and realized their folly. The place where the dike broke off was never found.

The ghost town is still there. An amazingly youthful man at 39, Max can look back on years spent in a bewildering variety of occupations. A business college graduate, he turned to prospecting out of necessity and later built homes, two with his own hands. He owned a farm and still later a dairy, worked as county director of public welfare for six years and also as secretary-treasurer of the Federal Land Bank, all in New Mexico.

Max is married and has a boy in the Navy and a girl in high school here. In 1948 he moved to Albuquerque from his home town of Estancia and bought a lumber mill. Not long ago he sold out, took a six month rest, and went to work for Sandia Corporation. During vacations he still prospects a little and hunts a lot. If the future holds anything like the past, Max has a full life ahead.

Bob Book Wins First Blind Bogey Tourney

Bob Book, AEC, swept the blind bogey golf tournament held this month to establish handicaps for the inter-departmental league planned by the Golf Committee.

Ten foursomes, composed of AEC and Sandia Corporation employees, entered the competition held on the University course.

Book's score was a net 70.

neat, they won't even like you in jail."

Up to You

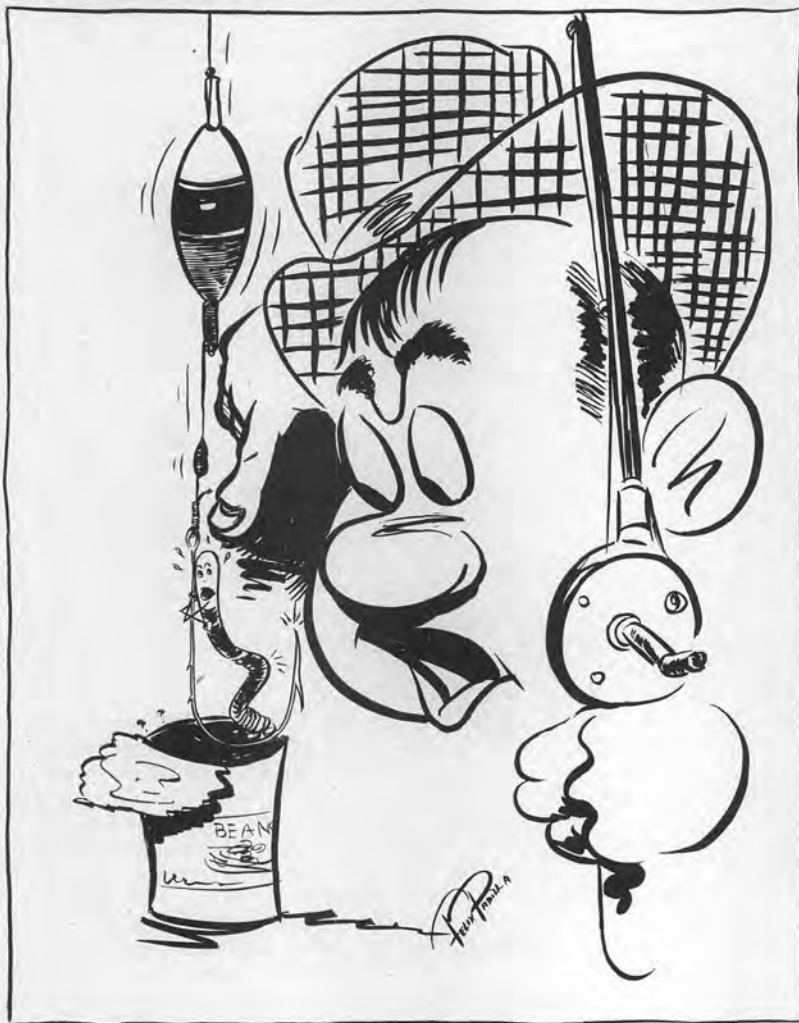
Studies of plant accidents show that a clean shop is a safe shop. Here at Sandia we have a plant maintenance staff to keep the shops clean, but they cannot be everywhere at once. Part of the job is up to the man at the bench.

Sandia Corporation employees have a lot to gain keeping their shops clean. A dirty shop is not only an accident-trap, but it is also a fire hazard. Trash and oil are a serious menace and if allowed to collect could easily put any shop out of business. Sandia Laboratory's task is too important to be jeopardized by a fire.

A clear work bench and clear aisles around it are musts. You can't work efficiently with trash stacked high on your bench. Nor can you do your job right with tools scattered around your working area. Likewise, cluttered aisles slow you down and may put you out of work with a turned ankle or injury caused by a fall.

The real secret of a clean working area is never to let cleaning and pick-up jobs get ahead of you. Keep on top of them and the task is easy.

'Sandia Seeds' by Felix Padilla



"Please, please let me go down this way; I'll hold tight, honest!"

Cry "Stri-i-ike" Ushers in New Softball Season

It's that season again. The urge to swing long wooden things at little round things has again struck the American male like an annual plague.

Softball at Sandia begins the first week in May. Between 8 and 12 teams representing different divisions and departments will be lined up ready to play ball, according to Joe Hickey, Employee Services Division.

Present plans call for a round robin schedule of two rounds. Depending on the number of teams that finally organize, Joe estimates a season lasting from the first of May until the middle of August.

The Corporation winner will then play the winning Air Force, Army and Navy teams for the Base championship. Last year Sandia Corporation's team from division 2123 was Base champ.

Joe lists the following teams and team managers as those already signed up:

- 2430, Art Johns; 2123, C. Taylor; 2234, Roy Hasebroek; 2231-32, George Duffeld; 2223, Lawrence Callahan; 2113, Ed Kubiak; 2122, Bert Neumon; 1500, P. F. Kruse; 2242, Gene Medins; and 2235, Frank Chavez.



TOP BOWLERS IN THE INSECT LEAGUE, The Scorpions, are pictured here at the close of their highly successful season at the Coronado Club alleys. Seated, left to right, Vi Parsons, Petie Fink and Dorrie Spohr. Standing, Pat Campbell and Jean George.

Golf League to Start Play at U Course May 1

More than half a hundred Sandians are polishing clubs and practicing putts in preparation for the Sandia Golf League play, slated to tee off May 1.

Paul Pierson, 2113-3, was elected League Chairman at the meeting of the Golf Committee April 16. It was decided to organize 20 three-man teams divided in two flights of 10 teams each.

At the end of the season the teams with the most points in each flight will have a playoff for the Sandia championship.

The weekly nine-hole matches will be played after working hours at the University course, according to Pierson. A schedule committee composed of James Porter, 1541-2, and A. F. Cone, 1512, will line up the opposing teams. The players then decide which evening in the week they will play.

There will be one complete round, expected to last 10 weeks, including the playoff. Pierson said that plans are being made for monthly tournaments and matches with other clubs such as

YOUR FUTURE Will Be Better If You Participate in Your Retirement Plan

Los Alamos, Santa Fe, and the Sandia Army team.

In addition to the schedule committee, the League includes a handicap committee: John Quirk, 2312; Nelson Jones, 2452-2; Chet Fornero, 4215-2, and A. C. Clark, 1250. Publicity is handled by Charles Campbell, 3120, and Joe Hickey, 3122.

Prizes for the winner and runner-up are under consideration, Pierson reported. The fee at the University course is 50 cents after 5 p. m.

Bowling Leagues

Final Bowling League Results

JUNGLE LEAGUE

Team	Won	Lost
1. Wildcats	68	44
2. Lions	65	47
3. Rabbits	64	48
4. Mustangs	64	48
5. Bears	62	50
6. Panthers	51	61
7. Lobos	37	75
8. Gophers	37	75

Team and Individual

High team, total pins, Bears, 2651. Second high team, total pins, Lions, 2623. High team, 1 game, Rabbits, 965. Second high team, 1 game, Lions, 957. High individual, 3 games, Campbell, 601. Second high individual, 3 games, Anderson, 599. High individual, 1 game, McGovern, 277. Second high individual, 1 game, Campbell, 254.

Top 10 Averages

Collins, 180; Campbell, 171; Dadian, 169; Frantz, 168; Cook, 167; Mills, 167; Dierks, 166; Anderson, 163; Stradford, 163; Grote, 161; Petterson, 161; Cone, 161; Dietrich, 161; Hickey, 157; Brown, J., 157; Eiffert, 157; Pears, 157; Favia, 156, and Duffield, 156.

INDIAN LEAGUE

Team	Won	Lost
1. Mohawk	81	31
2. Zuni	74	38
3. Cree	60	52
4. Potawatomi	57	55
5. Hopi	54	58
6. Navajo	50	62
7. Apache	46	66
8. Commanche	27	85

Team and Individual

High team, three games, Hopi, 2636. Second high team, three games, Crees, 2553. High team, one game, Mohawks, 938. Second high team, one game, Hopi, 920. High individual, three games, Hess, 609. Second high individual, three games, Culley, 604. High individual, one game, Culley, 275. Second high individual, one game, Lew, 241.

Top 10 Averages

Duffield, 174; Whitney, 169; Nogle, 168; Mills, 166; Palmer, 163; Northrup, 163; Gray, 162; Parsons, 162; Priore, 162; Hasebroek, 160; Malley, 160, and Horne, 160.

FOOTBALL LEAGUE

Team	Won	Lost
1. Redskins	82	30
2. Packers	67	45
3. Cardinals	63	49
4. Forty-niners	61	51
5. Rams	57	55
6. Dons	43	69
7. Colts	38	74
8. Eagles	37	75

Team and Individual

High team, three games, Cardinals, 2600. Second high team, three games, Redskins, 2520. High team, one game, Redskins, 904. Second high team, one game, Cardinals, 893. High individual, three games, C. H. Johnson, 626. Second high individual, three games, Eiffert, 618. High individual, one game, Eiffert, 268. Second high individual, one game, Atkins, 246.

Top 10 Averages

Johnson, 177; Heineken, 175; Atkins, 168; Malley, 164; Sparger, 162; Parsons, 162; Horne, 162; Bureau, 161; Brewster, 160; Eiffert, 160; Mahoney, 159; Reed, 158, and Melillo, 157.

INSECT LEAGUE

Team	Won	Lost
1. Scorpions	70	42
2. Centipedes	68	44
3. Fireflies	65	47
4. Lady Bugs	57	55
5. Roaches	57	55
6. Black Widows	48	64
7. Beetles	47	65
8. Hornets	36	76

Team and Individual

High team, 3 games, Centipedes, 2112. Second high team, 3 games, Fireflies, 2066. High team, 1 game, Centipedes, 745. Second high team, 1 game, Scorpions, 744. High individual, 3 games, J. Partch, 526. Second high individual, 3 games, P. Walker, 522. High individual, 1 game, P. Fink, 229. Second high individual, 1 game, J. Partch, 203.

Top 10 Averages

Walker, 155; Fink, 148; Partch, 147; Frizzel, 140; Schultz, 140; Drake, 138; Brewster, 137; Dixon, 136; Brown, 136; Hahn, 133; Parsons, 130, and Buchanan, 128.



MAJOR LEAGUE BOWLING CHAMPIONS, The Browns, get together for the last time this season. Left to right, Chester R. Clyde, Roger B. Rice, John Bryson, A. C. Taylor, and Joe Sylvester. All are of Division 2123.

Classified

Classified advertisements to be published in THE BULLETIN must be received in writing in THE BULLETIN office at least one week prior to publication date. Classified advertisements cannot be taken over the telephone. Include your name and your Base extension number.

FOR SALE—

1941 Pontiac with 1949 motor, good condition. Good tires. Penny Morton, ext. 23141 or after 6 p. m. Alb. 2-1360.

New Cory automatic coffeemaker, Bingo prize, \$25. H. E. Sunde, ext. 21261.

1948 Harley Davidson "125" motorcycle, good running condition, \$125. H. Kelsey, ext. 21239 or ext. 28174 during evenings.

Chevrolet car radio, good condition, \$20; model A Ford trailer-hitch, \$3; 17-jewel Elgin pocketwatch, \$18; lawnmower, good condition, \$6. Granville Mann, 24149 or 24145 or see at 527 East Marble Ave.

.45 cal. Colt Frontier, \$50 or trade. K. L. Hester, ext. 23145.

1948 Crosley Station Wagon, Egyptian Sand color, with heater and 1951 license—economical, dependable transportation, \$395. E. W. Peirce, ext. 7184.

1949 Ford convertible, radio, heater, W. W. tires, clean. Harp, ext. 29256 or see after 5 p. m. at 701 S. Arizona.

Two-bedroom home, almost new, near school and bus. Our equity, payments \$53 per month. Mary Nickell, ext. 21145 or see at 1841 North Madeira Dr. after 5 p. m. on weekdays.

1939 Harley Davidson 61, good condition. William E. McDonald, ext. 26241 or see at 7024 Cochiti Rd. after 5 p. m. or on Sunday.

Smith and Wesson K22 Revolver, .22 caliber, brand new in factory box, sell for list price. W. O. Smith, ext. 21186 or 21241.

Two braided cotton colonial rugs, 4 x 6 feet and 20 x 36 inches; one travel iron with suede case. All practically new, \$15. Jack Hart, ext. 4294 after 5 p. m.

FOR RENT—

Furnished two-bedroom house. One block from bus, 3 blocks from shopping center, \$85. Ray Brandenburg, ext. 23149 or Alb. 5-7027 or 3-4174 after 5 p. m.

RIDE WANTED—

6800 N. Fourth to South Gate Tech area. Betty K. Taylor, ext. 24152.

1632 Five Points Road or Five Points Road and Bridge Street for two people to Sandia Base. Theresa Cook, ext. 33141 or Alb. 3-3830.

1209 N. 7th, night shift, 4:45 to 2:15 a. m. Roy J. Auge, ext. 29153 or Alb. 2-9126.



SAFETY SIGNS SERVE TWO PURPOSES, they are both a guide and a warning. These signs are by Department 3120 through the Safety Store in building 857. Here K. D. "Skid" Spiller, 2120, looks over a few of the signs available for use in Sandia Corporation shops.

SANDIA BULLETIN

Vol. 3, No. 10

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

MAY 11, 1951

Group Life Insurance Plan Provides Sandia Employees Free Protection

Announcement has been made by Sandia Corporation of a group life insurance program covering all Corporation regular employees who have been employed at the Laboratory for two years or more. The plan, underwritten by the Prudential Insurance Company of America, is being provided by Sandia Corporation at no cost to the employees.

\$1,000 Minimum

Minimum death payment under the provisions of the plan will be \$1,000. Following is the schedule of coverage:

Two years but less than seven, equivalent of six months base pay.

Seven years but less than 10, equivalent of nine months base pay.

Ten years or more, equivalent of one year's base pay.

Anyone who is a regular employee of Sandia Corporation and has a term of continuous employment of two years with the Corporation or its predecessor is insured under the plan. No medical examination is required for the insurance and it becomes automatically effective the first day the employee is actively at work after the second anniversary of his employment.

Select Beneficiary

The employee selects his own beneficiary and the beneficiary may be changed at any time by making a written request. This beneficiary will receive the full amount of insurance in event of death from any cause.

If, before the insured reaches the age of 60, he is totally disabled, and as a result employment is terminated, the insurance protection under the

plan will be extended for a period of one year, or for a period equal to the time he has been insured if the period of coverage is less than one year.

If employment terminates for any reason other than total disability the insurance will be paid in event death occurs during the next 31 days.

May Change Policy

If employment is terminated for any reason, the insured may change the group life insurance to an individual policy without taking a physical examination if application for the change is made to Prudential during the 31 days after termination.

Sandia Corporation has arranged for payment of claims to be made promptly and directly to beneficiaries. A booklet is being published by the Corporation explaining the group insurance plan in general. Employees who become insured will receive individual certificates outlining the benefits.

The Sandia Base Radio Club will meet Monday evening May 14 at 8 p. m. in the clubhouse on "H" street to elect officers. After election a discussion of club activities for the coming summer months, will be discussed.

Erik Paulsen Is New Manager of Coronado Club

Erik Paulsen has been named by Anderson-Dunham Co., Los Angeles, as manager of the Coronado Club on Sandia Base. Mr. Paulsen comes to Sandia after serving as operations



Erik Paulsen

manager of the Anderson-Dunham Company.

Prior to this assignment, he has managed clubs and restaurants at such places as the Skyroom, Lockheed Airport, in Los Angeles; Morrison Hotel, Los Angeles; St. Francis Hotel, San Francisco; Arizona Biltmore Hotel in Phoenix; Statler Hotel, Cleveland; Bath and Tennis Club, Palm Beach; Desert Inn, Palm Springs; The Officers' Club, Inyokern, Calif., and also

AFSWP Field Hq. Organized; New Base Commander Named

Establishment of a Field Command headquarters of the Armed Forces Special Weapons Project at Sandia Base was announced last week. Brig. Gen. Leland S. Stranathan is commanding general of the headquarters field command, AFSWP, and Col. P. F. Kromer, Jr., has been named Sandia Base commander.

General Stranathan, who reports to Brig. Gen. Herbert R. Loper, commanding general, Headquarters of AFSWP in Washington, has command over the field agencies and activities of AFSWP. The new organization setup delegates all "house-keeping" functions to the base commander and corresponds closely to the Air Force Special Weapons Command headquarters setup at Kirtland Field.

Col. Kromer, who, as commanding officer of Headquarters, Sandia Base, reports directly to General Stranathan, is assisted by Col. Frank Wilkins, executive officer and chief of security section; Capt. George R. Arbuckle, adjutant and chief of administrative section, and Lt. Col. Alexander H. Miller, chief of the services section.

Col. Kenner F. Hertford, former deputy base commander, is now chief of staff on General Stranathan's staff

has worked on several motion picture locations.

Adam Habler, who has been Coronado Club manager for the past several months has returned to Los Angeles where he will receive a new assignment from the Anderson-Dunham Company.



Col. P. F. Kromer

and also serves as director of administration and services for the Field Headquarters.

Col. Kromer is a veteran officer of the Army Corps of Engineers. A native of Ohio, he was appointed to the U. S. Military Academy in 1926 and was commissioned in the Corps of Engineers in 1930. In addition to his West Point training, he has a master of science degree from Iowa State College and was graduated from an Army engineering course at Ft. Belvoir, Va.

During World War II, Col. Kromer saw duty in Puerto Rico, Trinidad and China-Burma-India theater. He has been awarded the Legion of Merit with oak leaf cluster, Army Commendation Medal and the Meritorious Service Plaque.

Col. and Mrs. Kromer and children, Frederick, 15, Caroline Louise, 13, Alice Carey, 11, Henry Edward, 8, and Robert Andrew, 6, live on Sandia Base.

President Landry Presents Annual Report to Directors

Editor's Note:

Last month President George A. Landry presented Sandia Corporation's Annual Report for the year 1950 at the annual meeting of the Board of Directors. Below are extracts from the Annual Report selected for their general interest to all employees and condensed to fit space limitations.

Unlike many annual reports this one contains no profit and loss statement, sales, net profit, etc. The reason, of course, is that Sandia Corporation is a non-profit organization, performing a vital service to the nation under contract with the Atomic Energy Commission. Although Sandia Corporation is a subsidiary of the Western Electric Company, it yields no profit to Western and no fee is paid the Company for its services at Sandia.

Sandia's contract with the Atomic Energy Commission extends through December 31, 1953. Broadly speaking, the job of Sandia Corporation in the operation of the laboratory is to "bridge the gap between laboratory development work and the manufacturing operations on atomic weapons." It is primarily concerned with applied research, engineering development, and design for production of ordnance phases of atomic energy.

Security restrictions limit the information which can be reprinted here from the Annual Report, which is classified secret, but the important thing is that Sandia came through with flying colors in 1950 and met every production schedule and delivery deadline. Mr. Landry's message of appreciation to all employees and to the many other groups and individuals who helped to make that record possible is reprinted here.

Tempo of Activity Increased

The year 1950 promised at the outset to be one of nominal growth and activity. About the middle of the year, however, a more rapid expansion of the staff was necessitated by a greatly accelerated work schedule. Since that time many departments have been working a six-day week. The organizational development of the Laboratory kept pace with the changing requirements, as indicated in this report.

Bell System Employees

A supplementary agreement between Sandia Corporation and Western provides for the participation of other Bell System employees in the work at Sandia. At the time of takeover on November 1, 1949, the Corporation was faced with the necessity of creating a self-contained administrative organization. Many of the University of California's administrative functions, such as purchasing and accounting, had been handled for Sandia at other locations and few trained personnel were on hand at the Laboratory to assume these duties. Consequently, the Corporation called upon the Bell System for trained people to get these functions started at Sandia.

At the close of the year 1950 there were on the Sandia payroll 38 employees on leave from the Western Electric Company and one on leave from Bell Laboratories. In addition, one Western and two Bell Laboratories people remained at Sandia on a loan basis at the year's end. During the year an additional 33 Western employees spent several months each at Sandia; all of these have since returned.

Research and Development

During the year, development work was put on a project basis whereby design information is fed directly to

the production organization and a close relationship is maintained throughout the manufacturing period. Research has been separated organizationally from both development and production. Quality Assurance processes have been established which result in improved maintenance of quality standards. The Surveillance activity has been enlarged and its operations standardized.

Liaison with associated technical organizations and the armed services has been formalized through meetings of the Sandia Weapons Development Board under the chairmanship of the Director of Development of Sandia Corporation. The Board is now recognized as an authoritative body for agreements and recommendations on all major projects.

The development group at Sandia

adapts the fruit of research to the design of a specific product engineered for a specific use. The work involves aerodynamic, mechanical, electrical, and electronic development of varying degrees of complexity.

Engineering Drafting has been consolidated into a central organization and drafting practices and procedures standardized.

In the field of research considerable emphasis has been placed on the blast effect of reduced charges in investigating basic phenomena and establishing scaling laws by comparison with measurements made during full scale tests. The work load of the development organization increased several hundred per cent during 1950 and many additional active projects of diversified

nature are anticipated for the year 1951. To meet the expanding requirements, the assistance of competent outside engineering organizations is being obtained by contracting with other facilities to perform design and development work and by utilizing the services of consultants. At present the Corporation has agreements with 29 consultants in such fields as physics, meteorology, ballistics, aeronautics and mechanical engineering.

Manufacturing Operations

Steps were taken in November, 1949, to organize a separate Program Scheduling group and procedures were developed whereby requirements of the military, AEC, and research groups were cleared through this organization for consolidation and subsequent scheduling. In addition, a procedure was instituted whereby basic dates for development, engineering, production, and delivery were agreed to by the agencies concerned. Among the improvements in the Production Engineering organization were the adoption of a standard nomenclature system and a standard production change system. Specifications and drawings were prepared for all standard parts in production and catalogs of parts were issued. Production shops, previously hampered by inadequate space were able to move into new buildings constructed especially for their use during the year. A new system of inspection at vendors' plants was instituted, resulting in a sharp reduction of defective work delivered by suppliers.

Direct buying functions had been handled by the University of California purchasing organizations at locations scattered throughout the country. Sandia Corporation developed a purchasing organization

(Continued on Page 4)

ACKNOWLEDGMENT

The directors and officers of the Corporation wish to express their appreciation for the cooperation throughout the year of officials and employees of the Atomic Energy Commission and the loyal support of all employees of the Corporation. In addition the directors gratefully acknowledge the generous cooperation and assistance rendered by officials of the Armed Forces Special Weapons Project and the Special Weapons Command, the Western Electric Company and the Bell Telephone Laboratories, other contractors of the Atomic Energy Commission and the many suppliers under contract with the Corporation.

Without the cooperation and teamwork of the aforementioned that has existed throughout the year, it would have been impossible for the Corporation to discharge its contractual responsibilities and to carry out its assigned mission in the National Defense Program.

For the Board of Directors

George Landry

President

SANDIA BULLETIN

Friday, May 11, 1951

Published for the employees of Sandia Corporation, Albuquerque, New Mexico.

Robert S. Gillespie, Editor

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employee Services Office, Building T-301. News items should be in The Bulletin office at least one week in advance of publication date.

Telephone Ext. 25253



Courtesy Makes a Difference

The people working for Sandia Corporation are like most other folks—they are good people and good neighbors. They are good Americans, competent workers and inherently kindly. If one of their fellow workers has had luck their response is sincere, spontaneous, generous and modest. Sandians are as warm, human and friendly as the next fellow.

When there is discourteousness, we're sure it is unintentional and probably the result of carelessness. Sometimes in the rush of present-day living we overlook some of the smaller things which are important to others. Here are two of the "small" things which sometimes make the big difference.

There are people who forget their manners when they drive into a parking lot. They park carelessly and then when they open the car door, they mar the car next to theirs. Or they may even accidentally nick the fender of a parked car and fail to notify the owner. Small things, to be sure, but they mean so much to the other fellow.

People also sometimes become forgetful when driving on the streets of Sandia Base. Courtesy has a very important place in safe driving. It is the courteous driver who is the safe driver—he respects the rights of others.

In this modern day and age a lot of things have become obsolete, but the Golden Rule is just as appropriate today as it has ever been.

Coronado Club Schedule

(Clip this schedule for a handy reference)

Saturday, May 12, 1951—Arthur Murray Night, dancing 9-1.

Sunday, May 13, 1951—Buffet dinner-dance.

Tuesday, May 15, 1951—Arthur Murray Free Dance Instruction.

Friday, May 18, 1951—Square dance, 8-11 p. m.

Saturday, May 19, 1951—Frontier party-dance, barbecue dinner on patio 6-8 p. m. Ernie Woods orchestra.

Tuesday, May 22, 1951—Square dance instruction.

Wednesday, May 23, 1951—Bingo.

Thursday, May 24, 1951—Bridge party, 25c per person.

Friday, May 25, 1951—"Name" orchestra, Anson Weeks. Members: \$1 per couple. Non-members: \$2 per couple.

Saturday, May 26, 1951—Informal dance.

Sunday, May 27, 1951—Buffet dinner-dance, 5-9 p. m.

Tuesday, May 29, 1951—Juke box dance.

Wednesday, May 30, 1951—Memorial day dinner at the club.

Marriages—Engagements

Byron B. Heath, 1216, and Rosemary G. Stockton, of Albuquerque, were married April 28 at the Central Avenue Methodist Church. Mr. and Mrs. Heath are making their home on the base.

Effie Holmes, 4133, will be married to Leonard Matthews the first part of June in New Castle, Ind. Effie's fiancé



Effie Holmes

is a crane operator for a steel rolling mill in New Castle.

Jeanette Isles, 2314, and Theodore Perlman, 2112, were married Saturday, May 5, in the home of the bride's parents, Dr. and Mrs. Richard Hall, Albuquerque.

Charlie Huff, AEC, is proud possessor of a \$25 casting reel given for largest bass caught at Elephant Butte during month of March.

New P. A. System Goes into Coronado Club This Month

Before the month is out the Coronado Club will boast a brand-new public address system, complete with 11 speakers, three amplifiers, and two microphones.

When completed, it will be possible to broadcast in the basement, swimming pool, bar, lobby, ballroom, and dining room. The juke box is hooked to two speakers in the basement, and one in the swimming pool, and it can be piped to the ballroom.

Special Feature

Charles A. Schmidt, 2113, who volunteered to design and supervise installation of the entire job, included a special feature. He put a microphone in a central location and a member may be paged through every speaker in the Club.

Charles designed and built the master amplifier, a 15 watt job, with three power output stages, plus two portable line amplifiers.

The system will be especially useful on weekends for dances, bingo parties, and buffet dinners.

Wires Pulled

The idea was in the talking stage back in September when Charles volunteered for the project. In December the Board of Directors gave their approval and in January the work order was written for wires to be pulled through the conduit installed at time of construction with just such a system in mind.

It took until March for the 3,000 feet of wiring to be strung. Since then Charles has been working to place the speakers and construct the amplifiers.

Dance Instruction Free to Coronado Club Members

Arthur Murray dance instructors will entertain and instruct Coronado Club members in two separate sessions. Tomorrow night, two of the dance experts will be on hand to entertain club members at the informal dance in the club. They will give exhibitions of various dances including the tango, samba, and rumba.

Tuesday, May 15, the Arthur Murray experts will be back for an evening of instruction which will be free to Coronado Club members. This is your opportunity to brush up on the latest dances with professional dancers as tutors.

Sunday, May 13 Mother's Day



IN HONOR OF MOTHER'S DAY, Hank Willis, 4214, serves his mother, Dolly Willis, 4131-1, breakfast in bed. Between the two is the picture of Guy, formerly of 1600, who is now aboard a destroyer off the coast of Korea.

AROUND THE DEPARTMENTS

AEC personnel celebrated birthdays during the past two weeks. Edna Fowler and Juanita McDonald had a joint birthday cake at the office and Bernese Venner had three birthday cakes (her co-workers tease her that there was one for each year).

Vacation time is here and AEC personnel are well-aware of it. Helen Pino returned recently from her first visit to New York City. Helen visited the Empire State Building, the Statue of Liberty, and other well-known spots in Gotham. Lloyd Keeperts was in the east and was on hand for the MacArthur parade in New York. Laura Johnson returned from Los Angeles, Calif., with a beautiful suntan. On the way back Laura stopped by Hoover Dam. Other vacationers include Bob Borah who went to Illinois; Mary Lou Sanders, Kansas City, Mo.; Dora Jo Courtney, Kansas City, Mo.; Geneva Bishop, a weekend in Los Angeles, and Bonnie Walters flew to Los Angeles last weekend for a visit with a sister and relatives.

Louise Williams, AEC, is scouting for a family for her dog. She says it is one-half German Shepherd and one-half dog and has excellent health as well as an excellent appetite.

Pat Renschen, 1270, is on vacation in St. Louis, Mo. She is visiting her father.

Mr. and Mrs. Bruce Wallace have a new daughter, Ann, born recently. Bruce is in 1282.

Bob Jones, 1282, is very pleased over his new home which he recently moved into. Bob formerly lived in the men's dormitory; his new address is 2408 N. Massilla.

Department 1281 welcomes Art Cole who came to the Corporation from Glastonbury, Conn. This part of the country is all new to Art as he has lived all his life in Connecticut.

Thelma Lacy will be missed by her co-workers in 1130 at West Lab. Thelma is leaving to take up housekeeping seriously.

4211 at West Lab welcomes Stella Snyder who is a new switchboard operator.

Duard Wooffinden, 1621, is the proud father of a daughter, born April 17. The baby, named Rosanne, weighed 7 lbs., 3 ozs.

Charlie Napoleone, 4212, and Bill Austin, 2334, are spending their vacation time in Mexico City and Acapulco. They drove down last Monday.

Hazel Stall, 2243, and her husband spent four days last week in Phoenix, Ariz., where they visited Hazel's family.

Personnel in 4230 all hate to see Tom Scott leave but they wish him the best of luck in his new ventures. Tom is moving to Culver City, Calif.

Department 3160 is happy to see Irene Palmer, R. N., back on the job. Irene has been ill for several months.

Phyllis Harris, 2223, has returned to work after her battle with the measles. Phyllis says she thought it was funny at first, but soon changed her mind.

Bill Prokosch, 2417, took a week's vacation recently and worked so hard at home that he had to come back to work to get some rest. Other vacationers in 2417 include Coy Plunkett who went to Oklahoma to visit his parents, and Joe Chavez, another optimist, who is taking his vacation at home to rest.

Mr. and Mrs. John Hartwick, 2232, are the proud parents of a son, Michael, born April 23.

Mary Helen Sharkey, 2230, and her husband recently spent several days shopping and having a good time in Juarez.

Mr. and Mrs. Les "Bill" Neeves recently moved into their new home at 202 Sycamore. Bill is employed in 1514.

Ralph Fisher, 1514, has also contracted the vacation fever. Ralph says that he is just going to take off for a rest.

Leta Faber, 2232, has chosen California for her vacation this year. She plans to see all the sights.

Rudy Sadler, 2243-1, was welcomed back to work last week after recovering from a serious infection of the throat.

Choristers Present Concert May 28

The Sandia Choristers will present their second annual spring concert in the new theater on Sandia Base Monday, May 28, at 8 p. m. Tickets are 50 cents each and the full proceeds will be donated to the National Cancer Relief drive.

The program will consist of varied light classics and semi-popular favorites, interspersed with vocal and instrumental solos. A "Barbershop Octet", a two-piano duet and a violin solo will be featured. Director of the Choristers is Craig Summers and accompanist, Louise Scroggs.

The Sandia Choristers are a mixed group of 35 adult amateur singers representing every branch of Sandia Base activity. Sandia Corporation, AEC, Army, Navy and Air Force are all represented in its membership. The group has appeared eight times this year at the Officer's Club, NCO Club, ANAF Club, Base Hospital, Veterans Hospital and other locations.

R. E. Winter, 4210, is in charge of the arrangements for the spring concert.

Save this Night

Don't make another date for Friday, May 25.

Reserve that night for "Dancin' with Anson." The Coronado Club is planning an evening of music played by Anson Weeks' famous name band.

Members will pay \$1 per couple and non-members will pay \$2 per couple. The dance will last from 9 to 1.

Mr. and Mrs. Roy Hassebroek had an enjoyable 10-day visit with their daughter Dorothy who is now a WAVE. Dorothy has been assigned to electronics, fleet airborne, Norfolk, Va., and the Hassebroeks went as far as Dodge City, Kans., with her. There they had a family visit with Mrs. Hassebroek's brother. Roy works in 2243.

Harold Howell, 2232, purchased a fly rod and some flies recently. Rumor had it that he has offered Don Shoemaker an undisclosed amount to tutor him in the noble art of worm drowning.

Two years ago a fishing bet was made between Frank Longyear, Bob Findlay, Jack Hansen and Sam Johnson, all of 2200. On the ensuing expedition Hansen caught the first fish, Findlay caught the most fish, and Johnson claimed the biggest fish. Longyear, who apparently suspected foul play, has refused to pay without a return match. The previously luckier three have agreed to a return match which will take place at Conchas Dam tomorrow and Sunday. It is expected that this exhibition will draw hundreds of people from Tucumcari and surrounding areas.

Margaret Sylvanus, 1250, says she didn't realize her Boxer pup was going to turn into a contender for the heavyweight title. But she denies that her trip to Juarez last weekend was for the purpose of trying to trade Barry the Boxer for a chihuahua. Val Gault, AEC, went along to help Margaret shop, and to pick up a few items for herself.

Ruth Maxwell is on the job in 1294. Ruth's husband is Pat Maxwell, Jr., who works in 1114 at West Lab.

Department 2210 extends congratulations to Cecil Johnson on obtaining his private pilot's license.

Bob Foster, 2210, is back on the job after a week in Missouri where his grandmother is ill.

Gladys Gilliland is busy evenings showing her husband, Jim, how to assemble a TV kit. Gladys is in 2210 and her co-workers wish her lots of luck.

Jim Hook and Don Weldon, 2210, are well-occupied, as partners they are slicing sod in the Sandia Golf League.

Sandian Can Give Expert Advice on Guard Technique

Perched high on a guardtower overlooking Sandia Corporation Technical Area is a man who has a prize reference for knowledge of guard methods.

He is Security Inspector Bernard G. Valencia, a former member of the New Mexico 200th National Guard Regiment. Valencia began his "security" education as a war prisoner in the Philippine Islands and graduated cum laude from a concentration camp in Japan four years later when the prisoners were liberated by fellow Americans.

During that time he had enough experiences to last several lifetimes. Bernard left for the Philippines in September 1941 and was captured on Bataan early the next year. His wife



THERE'S A HEAP OF VISITING to be done when the boys come home from service. Harvey Lathrop, 2123, decided there was so much to do while the sons were back that he'd take his vacation to coincide with theirs. Glenn, apprentice Naval airman stationed at San Diego, and Gene, technical sergeant in a New

Mexico National Guard unit federalized May 1, talk it over with their Dad in the Lathrop home in Albuquerque. Glenn worked for Sandia Corporation in Division 2121 before entering service in March, 1950. Gene recently completed Army Radio School in Augusta, Ga., and is now stationed at Fort Bliss, Tex.

Square Dancers Will Participate in Big Party at Ice Arena

Sandia Square Dancers will participate in the district square dance of the State Square Dancers Association to be held tomorrow, May 12 at 8 p. m. in the Ice Arena on East Central Avenue. All square dancers are invited to attend. Admission of \$1.50 per couple will be charged all non-members of the Association. There will be 3,000 seats for spectators at 25 cents each.

The Coronado Square dancers enjoyed an interesting evening last Friday, dancing to the music of the Duke City Cowboys at the Coronado Club. A large crowd turned out to the initial square dance with "live music" and the club plans on providing a band at least once a month in the future.

Last Tuesday night the first of a course of five free square dance lessons was given to members of the Coronado Club. If interest continues, this course will be repeated at a later date. All prospective pupils are asked to contact Doc or Betty Rehbeck, ext. 29178.



Bernard Valencia

Emily knew nothing of her husband's fate until the War Department notified her in 1944 that he was a prisoner.

Rob Packages

He had no contact with the free world other than an occasional Red Cross package already robbed by the Japanese. Outside of these rare treats, Valencia's diet consisted of rice, a thin soup, and whatever he could steal when the guards weren't watching.

A soft-voiced man with a craggy face, Valencia credits his survival of the Bataan Death March to his training as a boxer and wrestler.

Water was the biggest need while the prisoners were marching from camp to camp. During the five day trek through the jungle they were joined by Filipino men, women, and children, all suffering from hunger and fatigue. During some of the march, Bernard recalls, they passed between lines of jeering Nipponese troops on the way to the front. It was a trying and humiliating experience for the captured civilians and soldiers stumbling down the center of the trail.

Weight Drops

The march ended in a jungle prison camp and from then on there was a long procession of prisons, with sickness and death always present. Somehow Valencia lived through it, losing weight until he was down to 96 pounds.

When the war ended, Bernard came home with recurrent malaria and traces of beri-beri. Since then he's been in and out of hospitals and between times he has worked as a policeman, railroad

Toastmistress Club Has Informal Talk At Dinner Meeting

Turquoise Toastmistress Club of Sandia Base met May 9 for a dinner meeting and informal discussion of "The Toastmistress."

Moderator was Mrs. M. V. Selles and Topic Mistress was Mrs. Norma Osborne. Speakers were Mrs. E. L. Deeter, Mrs. A. L. Dyer, Mrs. J. J. Michnovicz and Mrs. J. H. Ruder.

A. R. Miles, 2465 at West Lab, has been elected president of the Albuquerque Aquarium Association. The association is a social organization whose purpose is promoting technical knowledge pertaining to tropical fish. Anyone interested in joining the group, should contact Mr. Miles on ext. 2, West Lab.

employee, and now as a security inspector for Sandia Corporation.

Today, for the first time in years, he thinks he has a chance to get back on his feet and pick up where he left off 10 long years ago.

Frontier Party at Coronado Club To Feature Patio Dinner, Dancing

Blue jeans, boots, Stetsons, and all the other wearing apparel of the cowboy and cowgirl will be the proper dress for the Coronado Club Frontier Party Saturday, May 19.

Enjoy Barbecue

Before a roaring fire in the huge outdoor fireplace, Coronado Club members and their guests will enjoy a barbecue dinner served from 6 to 8 p.m. on the beautifully landscaped patio. As the food disappears and the fire dies down, the throng will move indoors for an evening of dancing. The special dinner, including three types of barbecued meats, will be from 6 to 8 p.m. The dinner will be \$1.25 a plate.

The entertainment will consist of several exhibitions of square dancing with a double square of adults, a square of teen-agers and a square dance duo of youngsters.

Teen-Agers Slated

Included in the square of teen-

agers will be John Gruer, Elaine Martin, Jimmy Dill, Harriet Stranathan, Nancy Nail, Clyde Northrup, Sheila Bliss and Lee Horschman. Eddie Frasher, son of E. P. Frasher, 2125, and Jean Yost, daughter of L. F. Yost, 2120, will be the junior pair of square dancers.

Club members are requested to make reservations before Friday noon, May 18, at the Coronado Club office.

Square dancing is not on the dancing schedule for guests, but remember western clothes are the proper attire. Make your plans to attend and enjoy a wonderful meal, good entertainment and an evening of dancing.

Spring and Summer Styles Attract Eyes of Women (and Men) this time of year

At the change of every season thoughts turn to a new wardrobe. The latest styles, colors, cuts, materials, accessories become a vital part of

conversation. In springtime and summer, thoughts turn to sports clothes, cool officewear and of course party dresses. Four Sandia employees vol-

unteered to model these garments which will be popular the next few months.

Clothing modeled in these illustrations was furnished through the courtesy of Hinkel's, Albuquerque.



TEXAS MAUPIN, 2221, is wearing a Jonathan Logan Storybook cotton featuring attached stole and accessories and has around her neck a Trifari porcelain and gold necklace.



HELEN MALLOY, 3152, models Lee Claire's ballerina length short formal in lilac with an iridescent taffeta duster.



THERESA SULLIVAN, AEC, displays a dress with a waffle-pique top by California Classics with a Royal of California waffle pique skirt.



RUTH LLOYD, 4222, shows a Honan silk original by Adele Simpson with popular carbine trim, Dawnelle gloves and Andrew Geller spectators.

President's Report

(Continued from Page 1)

capable of handling all buying, expediting, clerical, traffic, receiving and shipping activities. An effort was made to obtain as many supplies as possible through local vendors and during the year 1950, orders valued at \$1,877,000 were placed with New Mexico suppliers.

A new traffic organization was established to handle all routing and expediting of incoming and outgoing shipments. As a result of the routing system, an estimated 15% reduction in Railway Express bills was made possible. The traffic organization also handles arrangements for personnel traveling on Corporation business.

A Reclamation organization was set up in May, 1950, to dismantle and salvage usable materials from obsolete equipment. Special reclamation equipment is being obtained for the organization to facilitate the reduction of scrap metal of various types to pig.

A Plant Engineering organization was established to centralize the control and allocation of space within the Corporation, provide for moves and rearrangements, and to arrange for other than routine maintenance. As each new building under construction neared completion, the organization prepared plant layouts, designed electrical and other service installations and made preparations for procurement and installation of special equipment not included in the building contracts.

The Plant Maintenance organization now maintains the technical areas at Sandia, West Laboratory, and Salton Sea Test Base. In February, 1950, the Corporation assumed operation of the motor pool and the bulk of the personnel directly engaged in the operation were transferred from the AEC to the Corporation. In March, 1950, the Corporation took over the "landlord" functions at Salton Sea including the operation and maintenance of all utilities, security and fire protection, motor pool, procurement, property, stores and housing. On December 1, 1950, a separate maintenance organization was established at the West Lab. A centralized heating plant was completed in the fall of 1950 at

Sandia and the Corporation began operation and maintenance of this utility, supplying steam to the entire technical area and to several military buildings.

Plant security became a Corporation responsibility in 1950 and uniformed civilian security inspectors replaced the military police and AEC personnel previously assigned to this work. In June the Corporation guard force took over the security posts at the West Lab. In October and November the security posts of the technical area were taken over by the Corporation security guards.

Accounting, Financial, and Related Activities

In taking over the operation of the laboratory it was necessary for the Corporation to set up organizations and procedures to handle payroll activities, vouchering, cost and accounting, plant and general accounting, and budgeting. A complete physical inventory had to be taken and an auditing organization established.

A Business Methods organization was set up to formalize written procedures covering the conduct of the business.

The administrative burden of supervising non-technical people in the Research and Development organization was transferred during 1950 to the Development Staff organization. The general areas of activity of the Development Staff department are secretarial service, general service, personnel administrative assistance, operation of the technical library, budget and administrative service, and assistance in building space allocation.

Labor Relations

Labor relations at Sandia during 1950 involved organizational efforts on the part of both the hourly rated production and maintenance employees and the office and clerical employees as well as subsequent negotiations with the representatives of their choice. Although extensive negotiations were carried on with the production and maintenance workers through their bargaining unit, the Atomic Project and Production Workers Council, Metal Trades Department, AFL, no agreement had been reached by the end of the year. The office employees

international union, AFL, began bargaining in September but no agreement had been reached by the end of the year (Since that time agreements have been signed covering both bargaining units.—Ed.)

Employment

When Sandia Corporation took over operations of the Laboratory there were approximately 1800 employees on the payroll. At the end of 1950 there were nearly 2,700 employees on the roll. Separations from the roll for all reasons during 1950 totaled about 350, a turnover rate of 16 per cent.

At the end of 1950 the ratio of men to women on the payroll was approximately 4 to 1. Despite the rapid increase in total strength, 60 per cent of the employees on the roll at the end of 1950 had been with the project for one year or more. An analysis of employees by age groups shows that nearly 90 per cent of all employees were under 46 years of age. The age group 26 through 35 covered 45.4 per cent of all employees.

Employee Services and Activities

A retirement plan was initiated on June 1, 1950, to replace the plan that had been in effect under the University of California. The plan provides for Corporation contributions approximately double the employee's contributions, payable to the employee upon retirement as an annuity or by other optional plans. Enrollment was optional for employees on the roll as of June 1, 1950, but is a condition of employment after one year of service for those hired since that date.

During the year the Corporation established a Medical Department with a full-time medical director and a part-time physician to assist him. The nursing staff was increased and considerable equipment including a fluoroscopic X-ray unit, sight screening apparatus and several other electronic aids to physical diagnosis were obtained. The clinical laboratory was fully equipped to conduct all types of laboratory examinations. In addition to caring for job-incurred injuries, the department conducts and evaluates physical examinations for all local applicants for employment. Arrangements had been made by the end of the year for a visiting nurse service.

The need for a good periodic publication was recognized and in October, 1950, an editor was hired to manage and edit the bi-weekly newspaper, the Sandia Bulletin, which had been printed prior to that time as a small mimeographed bulletin, concerned chiefly with social and recreational activities. The Bulletin underwent a gradual change aimed at broadening the scope of the newspaper's coverage and at the same time improving the appearance. The Bulletin seeks to build employee morale by stimulating pride in individual jobs, stressing the national importance of the project at Sandia, and bringing out the inter-relationship of work assignments and how each is important to the success of the project. Coincident with the change in the Bulletin, a Public Relations Division was established to strengthen community relations between Sandia and the city of Albuquerque.

Insurance coverage provided by the Corporation during 1950 included \$10,000 life insurance for employees traveling in all types of aircraft on Corporation business, as well as other special insurance coverage in certain cases. In addition, application was made for a group policy to provide death benefits for employees' dependents based on the employee's length of service. (Announcement of the plan is contained elsewhere in this issue.—Ed.) Hospital and surgical benefits are available to employees under a group plan in which the cost of insurance is borne by participating employees.

Recreational activities were expanded during 1950 with the opening of the Coronado Club. Recreation facilities include a swimming pool, bowling alleys, table tennis, shuffleboard, ballroom and a patio.

The Corporation sponsors and supports financially inter-department softball and basketball leagues, making use of the Sandia Base gymnasium and outdoor sports areas. Competition is also encouraged in the fields of golf and bowling.

Many employees interested in hobbies and sports participate in the Sandia Arts and Crafts Association which is primarily a cooperative purchasing group. In addition, it sponsors hobby groups interested

in woodworking, stone cutting, leather work and ceramics.

With the declaration of a limited emergency, as a result of the outbreak of hostilities in Korea, Sandia Corporation initiated a survey of all male employees to determine their liability for military service. In cooperation with the AEC all employees subject to service through recall as reservists or induction under Selective Service were classified according to the length of time estimated to replace them. By the end of the year, 409 reservists had been classified and an additional 442 employees within draft age had been classified. During that period 31 men terminated to enter military service and deferments were obtained for an equal number.

Community Facilities

At the request of the AEC the Corporation agreed to accept the responsibility for operation of community facilities. The housing facilities were transferred to the Corporation on April 1, 1950, and the Corporation accepted the responsibility for assignment of quarters; collection of rents; maintenance of buildings, facilities, grounds and roads; janitor and maid service in dormitories; collection of refuse and garbage; operation of heating plants, and procurement and storage of equipment and supplies. Facilities include dormitory rooms as well as houses and apartments.

The Coronado Club opening in June, 1950, satisfied a definite need for a community center. The Club was chartered and incorporated as an employee organization. The club building also houses the Corporation-managed restaurant which is operated by the Anderson-Dunham Company under contract to the Corporation.

Sandia Corporation assumed the operation of community facilities at Salton Sea on March 1, 1951. Housing facilities consisted of several rental housing units as well as rooms in the San Felipe Lodge. The Lodge also provides public lounge rooms, a soda fountain, a bar serving soft drinks and beer, a swimming pool, and a cafeteria. Facilities of the Lodge are operated by the Fred B. Prophet Company under contract to Sandia Corporation.

Many Women Make Sandia Corporation Dormitory Their Home

Bright Rooms and Good Company Make Life Enjoyable

"Home away from home" to many Sandia Base women is the green two-story residence hall on the corner of Main and A streets which has been a women's dormitory since November 1948 when it was completed.

The modern "L" shaped building provides facilities for 48 girls in its 48 rooms—eight of which have private baths and the others semi-private baths.

Adds Feminine Touches

Typical of the younger occupants is Alice McGee, 2330, who came to the Corporation from Marquette, Mich., in January, 1951, and moved in the dormitory. Alice has already added the feminine touches which make a room more like home. In addition to the Early American furnishings provided, Alice has purchased a coffee table, a straw rug, and has made some summery floral draperies of cotton pique. She says she is very pleased with her present living accommodations.

Leta Hacker, 3153-1, is one of the grandmothers in the dorm, but is a very youthful grandmother. Leta's daughter, who lives in Denver, has two children, and her son in Cedar City, Utah, has one. She was one of the first women to move into the dormitory and prior to working at Sandia was with the University of California at Los Alamos. Leta has added draperies, a radio stand and a radio to make the private room she lives in more her own.

Other charter residents include Bess Streater, 2400; Valerie Gault, AEC; Hazel Vance, 2221; Mary Frances Jamison, 2222; Lillian Frazee, Army civil service; Pat Atkins, 4134, and Marie Shea, 3000.

Each room in the residence hall has venetian blinds, a three-quarter bed, a desk, a straight-back chair, a lounge



LORETTA NEMES, 1521, left, is looking over her mail from hometown friends in Princeton, N.J. Individual mailboxes are located on the landing between the first and second floors. Loretta, a newcomer to the dorm, has been in Albuquerque since March. Adding a few stitches to her tablecloth is Mary Frances Jamison, 2222-1, top, as she relaxes in her dormitory room. Mary Frances has been working for the Corporation for three years and was one of the first residents in the women's residence hall. During the war, she spent two and one-half years in the Women's Army Corps. Pat Devlin, 1521-3, right, is preparing her lunch in one of the dormitory kitchens. Pat, who is from Wray, Colo., started working for the Corporation in October, 1950.

She says she enjoys cooking her own meals.



chair, and a chest of drawers. Linens are furnished and maid service is provided.

The dormitory matron, Mrs. Vera H. Glew has been there since it opened. She is a registered nurse and formerly was employed at Los Alamos. Mrs. Glew has a custodial staff of four maids

and one janitor to assist her in keeping up the rooms, kitchens, lounges, and corridors.

Fudge to Beef

On each floor there is a kitchen. Foodstuffs from chocolate syrup to roast beef are stored in the double-doored refrigerators. Many girls do their own

cooking. In addition to a refrigerator, there are two stoves and considerable cupboard space in each kitchen. Those who prefer to avoid their own cooking, patronize the Coronado Club or the NCO Club, both of which are close by.

The basement is used for storing luggage and off the downstairs lobby is

a fireproofed linen closet.

Women from the Corporation, AEC, and a few from the Army civil service live together harmoniously in the spacious building. It may not be a permanent home, but to its dwellers, it's a pleasant place to hang their hats and rest after a hard day on the job.

Use of East Gate Will Help Relieve Traffic Congestion

Traffic congestion at entrances to the base has become a problem since the recent change in working hours, according to Captain Frederick Gemmer, Assistant Provost Marshal and Traffic Officer.

Previously there was half an hour between the time military personnel

Military officials announced today that employees of Civil Service and military personnel will report to work at 7 a.m. commencing Monday, May 14.

reported for work and the time Sandia Corporation employees were due. The military were in at 7:30 a. m. and left at 4:30 p. m. Corporation and AEC people were in at 8 a. m. and left at 5 p. m.

Cause Bottleneck

Now there is a difference of only 15 minutes. Military personnel report in at 7:15 a. m. and leave at 4:15 p. m. whereas Corporation and AEC employees get to work at 7:30 a. m. and leave at 4:30 p. m.

The result, said Captain Gemmer, is traffic pileups at the North and West gates when military, Corporation and AEC people converge on Wyoming and Gibson avenues at the same time in the morning and on Base thoroughfares in the afternoon.

This congestion was foreseen and an East Gate has been opened to alleviate the condition.

Employees now entering the base via the North Gate can avoid the traffic bottleneck on Wyoming and at the same time cut minutes off their traveling time if they will continue east on Central avenue a mile past Wyoming, turn right at the racing speedway sign and enter the Base by the East Gate.

Better Route

This route will provide much faster and easier access to parking lots on the north, east, and south sides of the Technical Area, Captain Gemmer declared. The East Gate is open from 6 a. m. to 6 p. m., Monday through Friday. It's designed solely to relieve traffic congestion at the other gates and no visitor passes are issued there.

Employees have reported, during the past few days, that it takes them from 12 to 15 minutes to reach these parking lots from the intersection of Ridgecrest and Gibson avenues and from Wyoming and East Central avenue, during the peak of the traffic crush.

It takes only five or six minutes to reach the same parking lots from Wyoming and East Central avenues if the East Gate is used.

"It's a case of the longer distance in the shorter time," said Captain Gemmer. "On a long motor trip you'll go a few miles out of your way on a clear road to bypass a city rather than face traffic by cutting through. You know the route through the city is shorter than the road curving around it, but it takes less time to go the long way simply because the road is clear. The same thing applies to traveling via the East Gate instead of the North Gate."

Into Service

Corporation employees who have recently entered military service include Ray F. Brandenburg, 2452, who



Brandenburg

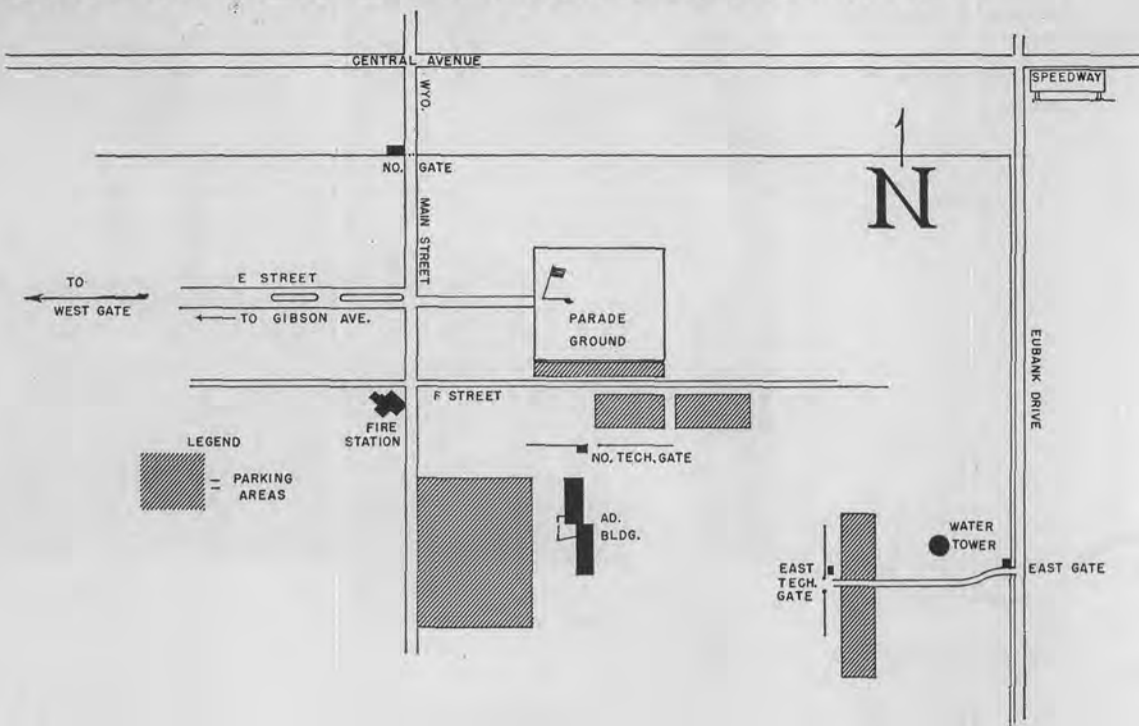


Gutierrez

Yontz

entered officers' candidate school; Arnold B. Gutierrez, 2461, recalled by New Mexico National Guard Unit; and Samuel A. Yontz, 2124, recalled by the Navy.

Route to New East Gate Shown



EAST GATE TRAFFIC is checked by Pfc. James E. Adams during the morning rush. This gate was installed to alleviate congestion at the West and North Gates. It provides a quick, easy means of entering and leaving the Base without running into bumper to bumper jams.

That principle also applies to leaving the Base in the afternoon. Those leaving by the North Gate can make better time by taking the East Gate instead. They avoid the bumper to bumper traffic on Main Street.

Cars headed for the West Gate from the south side of the Technical Area can avoid congestion and get out faster by turning left on Main Street instead of right and proceeding west via K Street or O Street to reach Texas or Pennsylvania avenue. These avenues feed into E Street which goes right out the West Gate.

Thus the heavy traffic on Main and F Street is avoided.

Softball League Opens Play With Pirates Winning

The Pirates fought through to a 13 to 12 victory over the Red Sox at the softball league opener last week. The game wasn't decided until there were two outs in the last half of the seventh inning.

The Pirates pulled their final two runs when Lee Bashor, 1211, doubled down the left field line, scoring John Brammer, 1211, from second and Phil Jockle, 1281, from first with the tying and winning runs.

The Red Sox put together two six-run innings, each featuring a home run by Bill Boggs, 2231, once with two men on base and again with the bases loaded.

The Pirates pecked away to come from behind in true story book fashion at the last minute. Boggs led the hitters for the evening with his seven runs batted in. Oliver Bashor, 1211, tallied two doubles, Ray Pierotti, 1521, lofted a home run, and Brammer knocked out three singles.

Splitting the Infinitive

(Bell Laboratories Record)

One of the most closely guarded secrets of the era can now be told, how an anonymous group of grammarians, working in secrecy in a remote section of the country, have finally succeeded in splitting the infinitive.

The so-called "Bronx Project" got under way in 1943, with the installation of a huge infinitron specially constructed for the job by Cal Tech philologists. Though the exact details are still withheld for reasons of security, it is possible to describe the general process.

From a stockpile of fissionable gerunds, encased in leaden cliches to prevent radio-activity, a suitable subject is withdrawn and placed in the infinitron together with a small amount of syntax. All this material must be handled with apparatus. The gerund is whirled about at a great speed, meanwhile being bombarded by small particles. A man with a Gender Counter stands always ready to warn the others if the Alpha-Betical rays are released in such high quantities as to render the scientists neuter.

The effect of the bombardment is to dissociate the whirling parts of speech from one another until at length an infinitive splits off from its gerund and is ejected from the machine. It is picked up gingerly with a pair of hanging clauses and plunged in a bath of pleonasm. When the infinitive cools, it is ready for use.

The question is often asked: Can other countries split the infinitive? I think we can safely answer "No." Though it is true that Russia, for one,

Salton Sea Base Earns 1950 AEC Safety Certificate

A certificate of merit was awarded last week to personnel of Salton Sea Test Base for their accomplishment of completing the year 1950 without lost time due to job-incurred injury. Mentioned in the presentation of the award by the Atomic Energy Commission was Howard Austin, 1614, Salton Sea, who contributed much to the effort which resulted in the fine 1950 safety record.

Harry H. Pastorius, 2422, received the certificate on behalf of the personnel of Salton Sea Base. The certificate was presented by Elmo Morgan, assistant to C. L. Tyler, manager of the Santa Fe Operations Office at Los Alamos. Mr. Morgan made the presentation for the Safety Division of the Santa Fe Operations Office headed by Robert Maddy.

Also present from Sandia were A. B. Metzger, safety consultant for Sandia Corporation, and E. L. Brawley, AEC Safety Office, Sandia Base.



THE AWARD OF MERIT FOR SAFETY presented to Salton Sea Test Base by the AEC rests on Harry H. Pastorius' desk after being given to him as representative of Salton Sea personnel.

First Quarter Safety Record at Sandia Takes Laboratory Out of AEC Cellar

The safety record of the Atomic Energy Commission, including all its contractors, was one of the best in the nation for 1950, although Sandia Corporation's individual safety record was poor. Our improved record for the first three months of 1951 at Sandia has raised the Laboratory from 18th place in safety among AEC installations for 1950 up to fifth place for the first quarter of 1951.

In 1950 the Corporation's accident frequency rate was 5.46. This figure is based on the number of disabling injuries per million hours of work. The national average industrial rate reported by the National Safety Council for 1950 was 10.14. In sharp contrast is Sandia Corporation's 1.99 accident frequency rate for the first quarter of 1951, a 64 per cent decrease under the 1950 figure.

Injury Rate Drops

The Laboratory disabling injury severity rate for 1950 was .11 as compared to the national average industrial rate of 1.02. This figure is based on the number of days charged to disabling injuries per 1,000 hours of work. The accident severity rate for Sandia Corporation in the first quarter of 1951 dropped 86 per cent to .015.

The reduction in this severity rate is particularly significant since, as the term implies, it indicates the severity of the injuries sustained and the consequent suffering, lost time, cost and lowered production.

Figures released by the United States Atomic Energy Commission in Wash-

ington, D. C., show that AEC installations collectively had one of the best safety records for the country in 1950. Eight fatalities due to job incurred injuries were reported for the year, none of them due to radiation. Sandia Corporation had no fatalities for the period.

Car Deaths Go Up

On a national scale fatalities caused by accidents were down one per cent for the year. Occupational and motor vehicle deaths, however, showed increases in 1950. During that year the occupational accident death toll was approximately 15,500, an increase of 500 over the 1949 figure. Motor vehicle deaths in 1949 were 31,500 and in 1950 increased to 35,000. Total accident fatalities for the country decreased from 91,000 in 1949 to 90,000 in 1950.

The AEC reports its accident fatality rate in 1950 was 13.1 per 100,000 workers. The national rate for the country's industry in 1949 was 26 per 100,000, and estimated figures indicate that the national rate for 1950 will be slightly higher.

Fire losses in the AEC were reported at \$486,389 in 1950 as compared to a loss of \$48,096 in 1949. Sandia Corporation's fire losses in 1950 totalled only \$6.50. Fire loss for the entire nation in 1950 was reported by the National Board of Fire Underwriters to be \$668,000,000. Despite the jump in AEC fire losses in 1950, it is still only 20 per cent of the average national rate.

is known to have large supplies of thesaurus hidden away behind the Plural Mountains, it is doubtful if the Russians have the scientific technique. They have the infinitive but not the know-how.

And that is something on which to congratulate our own brave pioneers in the field of grammatical research. Once it was thought that the infinitive could not be split—at least, not without terrible repercussions. We have shown that it is quite possible, given the necessary skill and courage, to unquestionably and without a shadow of a doubt, accomplish this modern miracle.

YOUR FUTURE

Will be Brighter if You Participate in Your Retirement Plan



A TROPHY IS PRESENTED to the team from the engineering department, winners of the Sandia Corporation Interdepartmental Basketball League for the 1950-51 season. They won the championship last year also. This team formed the nucleus of the All-Star team which ran second to the Air Force in the Base

tournament. Charles W. Campbell, of Employee Services, presents the trophy to Oliver Bashor, team captain. Left to right: Joseph Hickey, president of the league; Leo Gutierrez, Val Black, Charles W. Campbell, 3120, Fred Kroll, Oliver Bashor, Monte Craig, Chet Clyde, Bob Black, Lee Schulz, and Lester Dassof.

Sandia Corporation Provides First Jobs for Young Women

It's always good to see new faces, especially if they're young and pretty. Among the Corporation's most recently hired employees are numerous girls who have found their first jobs at Sandia.

Typical of the neophyte Kitty Foyles is 21-year-old Marcia McMullen, 2333-3, who started work here in February. Marcia's hometown is Downers Grove,

Riding comes naturally to Marcia. She's been at it since she was a child. Her first encounter with a horse came at the tender age of four when she was discovered by her horrified mother sitting under a horse with hooves half as big as her head. Luckily it was a patient animal that just stood still until Marcia's mother snatched her to safety. As she grew older, horseback riding became Marcia's favorite sport, although she also likes golf and tennis.

Like Dixie and Marcia, Suzanna Navarette, clerk-typist in 2110, enjoys horseback riding. She was born and brought up in Artesia, N. M., the youngest in a family of eight. She's enjoying her new-found independence, Suzanna declares, especially after being the baby sister all her life. That's one

Classified

FOR SALE—

1942 Chevrolet club coupe, good tires, in good condition throughout, \$450. Can be financed. Also 1947 Hudson Fordor in good condition, \$750. C. M. Dixon, ext. 24240.

Thor automagic washing machine and dishwasher, two years old, excellent condition, \$100. Bob Statler, ext. 33247 or home ext. 30769.

Brick home, Hoffman town, three bedroom, one and three-quarter baths, garage, six rooms; \$450 in extras. All for \$10,535. \$2500 down, payments \$68.10 FHA. Ivan W. Marshall, ext. 24159.

Three-bedroom home, recently redecorated, in Loma Vista Addition, on paved street near schools, churches and shopping center. Landscaped, with complete sprinkler system and walled in backyard. Fireplace, automatic washing machine, hot water radiant heating, venetian blinds, permanent steel tile bath, lots of closets and built ins, doors and windows weather-stripped. Robert M. Officer, ext. 25256 or Alb. 5-3269, 732 N. Lafayette.

One ornamental iron fireplace screen, size 31" x 39" at \$10; one "Dutch Oven" gas range with deep well, modern cabinet style in excellent condition at \$100. R. M. Officer, ext. 25256 or Alb. 7212 or see at 612 N. Spruce.

1950 Buick automobile radio, like new, complete with aerial. Jim Ford, ext. 33245 or see at Bldg. 838.

8.2 ft. refrigerator (Montgomery Ward) also Split Table-top Kenmore stove with glass door. Both only a year old. Priced to sell. Mary Nickell, ext. 21145.

Four-room adobe house, wood-burning fireplace, extra lot for future expanding. Price at \$7850 furnished, with large G. I. loan. Income from apartment in rear. La Verne Coudriet, ext. 6142 or see at N. Vermont or call Alb. 5-6054.

Volt, OHM Milliammeter, type PM-32 multi-range AC, DC volt, Westinghouse, \$25. C. E. Gilbert, ext. 21282 or 25146.

1948 Harley-Davidson 125 Motorcycle, in good running condition, for only \$125. H. P. Kelsey, ext. 21239 or see at 3141 39th Place, Sandia Base, ext. 28174.

Bride and groom perfectly matched 14K yellow gold wedding bands, never used. See them first then make an offer. Erman Sharp, ext. 23149 or 348 N. Rodey.

Easy Washing machine, in good condition. Mrs. Pierson, ext. 7272.

Ziess super Ikonta "B" camera with ever ready carrying case, \$150; Ziess Zielierv 4 x scope, \$60; Kalles Hielivier 4 x scope, \$50. E. C. McNeely, ext. 25250, office or ext. 4283, home.

G. E. Television, 16" console on casters, one month old. Jim Beberdick, rm. 44, men's dorm. ext. 7258 during day.

1949 Chevrolet Styline 4-dr. sedan Sea Foam Green, w/radio, heater, nylon seat covers. A one owner car, priced below downtown prices. Joe Hickey, ext. 26149 or see at 2133 N. Dickason, Inez Addition.

Drawing set, retractable points, good condition, \$15; men's Bulova 17 jewel wrist watch, recently cleaned and serviced, new flexible band, \$15. Frank Reeder, ext. 7152.

1941 Packard, 4-dr, clean. C. A. Toney, ext. 21145 or after 5:30 Alb. 3-0397, 110 S. Mesa, 3275.

WANTED—

Ironing to do in your home on Monday, Thursday or Friday. Mrs. Louise Mack, ext. 29289.

RIDE WANTED—

Bel Air, 2941 N. Jackson, Mary H. Ladanyc, ext. 24135 or 4156.

8th and Central, Ruth Cox, ext. 21249 or Alb. 6914.

East Central and High, evenings only. Frances Tennessen, ext. 4254.

1026 La Vega Rd. Mildred Williams, ext. 24238.

5900 block N. Second, 7:30 to 4:30 shift, Tony Astorga, ext. 29142.

5000 block of N. 12th to Sandia Base for two people. Mildred Akers, ext. 5137 or Alb. 3-0567.

1200 and 1700 block on East Coal to and from work. Jo Ann Lohner, ext. 25240 or Alb. 2-9274.

4200 block N. Fourth or Second. June Gronseth, ext. 25240 or Alb. 2-8116.

Little Similarity in Twins Working Near Each Other in 1613

There was double cause for celebration recently when the Tischhauser twins began working together in Division 1613 the day they were 24 years old.

John L. Tischhauser, 1613-5, section B, joined Sandia Corporation April 26 and moved into an office four desks away from his brother Dick, 1613-5, section A, the next day—their birthday.

It's the first time the twins have been together in a number of years. They were inseparable until the time they graduated from high school in Albuquerque. Then John joined the Marines and Dick went into the Army. Since then they've only seen each other for a few months at a time.

John got out of service first and enrolled at the University of New Mexico a semester before Dick was discharged. Dick followed his brother into the University and stayed there for four years majoring in math.

John married his high school sweetheart between his freshman and sophomore years at New Mexico and then transferred to the University of St. Louis. He graduated with a major in physics and a minor in math.

After working in St. Louis for a few months, John returned to Albuquerque and put in his application for work with Sandia Corporation. Dick was already working here, he started in October, 1950, right after graduating from UNM.

Twins seem to run in the Tischhauser family. One of their sisters has twins, a boy and a girl, and another sister is expecting twins. In addition, their mother's brother and sister are twins.

It's another curious fact that none of the twins in the family has ever had twins.

Dick and John are exceptions to the belief that twins usually have similar likes and dislikes. They are not identical twins, and as a psychologist would say, there's no correlation in their case. Dick is a bridge player extraordinary; he recently ran second in the New Mexico Open Pair Sectional Bridge Tournament here, whereas John has never played the game.

Dick smokes, John doesn't. John skis, Dick doesn't. Dick plays tennis, John doesn't. John fishes and hunts, Dick doesn't.

The boys are about the same size. John is slightly taller and heavier, but that's understandable—he's older by 15 minutes.



Marcia McMullen

Ill. (pop. 15,000), where she lived until coming to Albuquerque two years ago to enroll at the University of New Mexico.

Meets Future Husband

It was while she was a student at UNM that Marcia met Bill Chown, 1611-2, the man she's going to marry in September. After two years of college, the tall, blonde girl decided to apply for a job at Sandia. She works now as a filing clerk and lives at the women's dormitory.

Accomplished riders, Marcia and Bill keep three horses pastured out on North Hiland Ave. Marcia owns a five-gaited white gelding named Prince and a two-year-old Tennessee Walking horse she calls Lightning. This colt isn't broken yet, but Bill has a quarter-horse the same age which he's trained himself.

Every weekend the couple go down to the pasture, get saddles and bridles out of a tack room they've made from a chicken-coop, saddle up and head for the mountains.



Dixie Rawlins

secretarial science qualified her for the job she's held since September. Dixie lives now with her sister, Mrs. Francis Hayes, 4222, and her young nephew. Mrs. Hayes' husband was recently recalled into the Marine Corps.

Finds Skiing Here

Up in Utah skiing was another of Dixie's favorite sports. She was good enough to compete in the school tournaments and she was delighted to discover skiing was a popular sport here.



Suzanna Navarette

of the reasons she likes her first job at Sandia.

Suzanna joined the Corporation in December after graduation from the Benson School of Commerce in Albuquerque. She lives with a friend and her aunt in town. Horseback riding, dancing, bowling, and sewing are listed as her favorite accomplishments.

Suzanna can't swim, but she says she intends to learn this summer in the Coronado Club pool.

The girls have different jobs and different backgrounds, but they're all agreed on one thing—it's great to be standing on your own two feet.

It's a Sure Thing And 4 to 3 to Win

There is nothing more gratifying to the two dollar bettor than a "sure thing"; to know that when he planks down a deuce he is bound to collect.

Your Uncle Sammy has again come up with a real winner for all his nieces and nephews in the form of U. S. Savings Bonds. The parimutual windows, where these moneymakers can be obtained, are found in a bank or, easier still, in the form of payroll deduction whereby the Corporation deducts as much as you specify from your pay and puts it toward a bond. The payoff—four bucks back for every three you put in.

Untangle this one: A man in Cleveland was charged with passing a bad check written on a new check-writing machine which he had bought with a bad check.

Mary Pattillos, 2464-2, returned last week from Dallas, Tex. Mary attended her father-in-law's funeral.



LISTENING TO HIS TWIN brother, Dick, 1613-5, explain how it's done here at Sandia is John L. Tischhauser, 1613-5, (left) a recent addition to the Corporation. The pair work four desks from each other in the same division but in different sections.