

Sandia LAB NEWS



published every other Friday for the employees of sandia corporation, contractor to the atomic energy commission

Vol. 7, No. 13

ALBUQUERQUE, NEW MEXICO

JULY 1, 1955

Daniel F. Worth Jr. Dies June 26 in Base Hospital

Daniel Fisher Worth, Jr., Commodore, USN (Retired), and Assistant Manager for Development and Production Operations of the Atomic Energy Commission's Santa Fe Operations Office, died at Sandia Base Hospital late Sunday afternoon, June 26. He was 56. The cause of death was diagnosed as coronary thrombosis.

Born of an old sea-faring family in Vineyard Haven, Mass., on Feb.



Daniel F. Worth, Jr.

26, 1899, Commodore Worth was graduated from the U. S. Naval Academy in 1919 and served continuously with the Navy ashore and afloat until June 30, 1949, when he was retired with the permanent rank of Commodore, a rank he held temporarily during World War II.

His assignments in the Navy included organization planning, administration, specialized control of gun fire and ordnance engineering. During his sea duty he served as executive officer of a transport, commanding officer of a destroyer and, during World War II, commanding officer of the cruiser, USS Cincinnati. Ashore he served as Ordnance Superintendent at the Navy Yards in Norfolk and Philadelphia; as Chief of Staff, Atlantic Fleet Operations Training Command; Deputy and Chief of Staff to Commander, Marianas; and as Deputy Governor of Guam.

In January, 1949, he was selected Assistant Field Manager of the AEC's Sandia Field Office in Albuquerque, and in June, 1951, he was named as Assistant Manager of Santa Fe Operations. In this assignment he directed and coordinated the development, manufacture and assembly of nuclear and non-nuclear weapons, weapons components, and test and handling equipment by all production facilities operating for the Atomic Energy Commission through its Santa Fe Operations Office.

Commodore Worth is survived by his widow, the former Pattie Lee Darden of Franklin, Va., a son, Daniel F. Worth, III, a student at the University of New Mexico; and a brother, Thomas F. Worth, Beverly, Mass.

Invite Musicians Into UNM Band

Professor William Rhodes, director of bands at the University of New Mexico, invites employees of Sandia Corporation to participate in the summer school concert band program.

Musicians may join the band without registering for summer school and without payment of fees. Rehearsals are 7 p. m. Mondays and Wednesdays. Several concerts are planned.

Hoover Commission Urges Vigorous U. S. Defense Research Program

★ Youngsters Must Have Valid Passes To Enter Sandia Base

Sandia Base Provost Marshal office wishes to remind all concerned about the regulation concerning children who wish to come onto the Base.

It is a regulation that all children of off-base residents and teen-agers must possess valid and verified visitors passes before they are admitted through the gates.

Children accompanied by adults with proper Sandia Base identification will be admitted as in the past.

Article by Sandian Tells New Engineer What He May Expect

Words of advice have been written to graduating engineers by William R. Starrett, a Sandia Corporation employee on military leave, in an article entitled "Beyond the Horizon."

Appearing in the recent issue of the IRE Student Quarterly, Mr. Starrett's article tells the new engineer what he may expect when he enters his new job. Mistakes which may be made by the new engineer are predicted and he tells how to be well prepared for the work.

Mr. Starrett graduated from Princeton University in 1952 and was employed by Sandia Corporation immediately, working in 5442. In March, 1955, he entered U. S. Naval Officer Candidate School, and has graduated as an ensign. He is now on duty with the Navy.

Consultant Here

Dr. John S. McNown of the department of engineering mechanics at the University of Michigan, a consultant to Sandia Corporation, spent a week with Org. 5110 recently. Dr. McNown is a specialist in the field of fluid mechanics.

Alert Sandian Is Credited With Saving Neighbors' Lives During Fire

A recent Sunday duster was the indirect cause of saving the lives of an Albuquerque family whose home in the 1800 block of Cardenas NE was severely damaged by fire June 20.

And an alert neighbor, Sandian Wilbert LeClaire, is credited with rousing the sleeping family in time for them to escape.

Will was cleaning sandstorm debris from his backyard early Monday when he glimpsed smoke, then fingers of flame, pouring from the eaves of his neighbor's home. He called quickly to his wife who immediately telephoned the family and then notified the fire department.

Will scaled the block wall separating their yards and entered the smoke-filled house to bring out the mother and two children. He then hurried to rescue the family's automobile from an adjoining garage while the father played water from a garden hose on the roof.

By this time the flames were too widespread to remove the car so Will dashed next door to awaken another family whose home was endangered from the rampaging fire.

As he rang the doorbell he heard a vehicle start, and suddenly the fire victims' automobile swept down the driveway and skidded into the opposite curb, its starter having short circuited from intense heat.

"The outstanding success of our atomic weapons program has been a major element of national security." So states the report of a subcommittee of the Hoover Commission and the report has been accepted by the commission and submitted to Congress.

The committee making the investigation of research activities of the Department of Defense and related agencies was headed by Dr. M. J. Kelly, President of Bell Telephone Laboratories and a member of the Board of Directors of Sandia Corporation.

Fifteen recommendations were made by this Hoover Commission task force. Included among them were several for integration of research programs within the Department of Army, Department of Navy and Department of Air Force.

Other recommendations are aimed at improving the effectiveness and efficiency of research and development work in the department of defense.

This would be done through the centralization of responsibility, maintenance of staffs of adequate size and highest possible professional competence in research and development.

The Commission's subcommittee report closes with these words:

"Serious consideration needs to be given to the adequacy of the present research and development level. . . ."

"It would be a false and dangerous economy to hold the research and development appropriations to a level too low to permit the volume of effort essential to bringing about effective programs in the areas of opportunity for new and improved weaponry."

Dr. Bethe To Lecture

Dr. Hans Bethe, professor of Physics at Cornell University will lecture on "Aspects of Modern Physics" at the University of New Mexico this month. He will speak at 8:30 a. m. at Mitchell Hall July 7, 8, 11 and 12. Inquiries regarding these lectures may be directed to Dr. John R. Green, acting chairman, dept. of physics, at UNM.

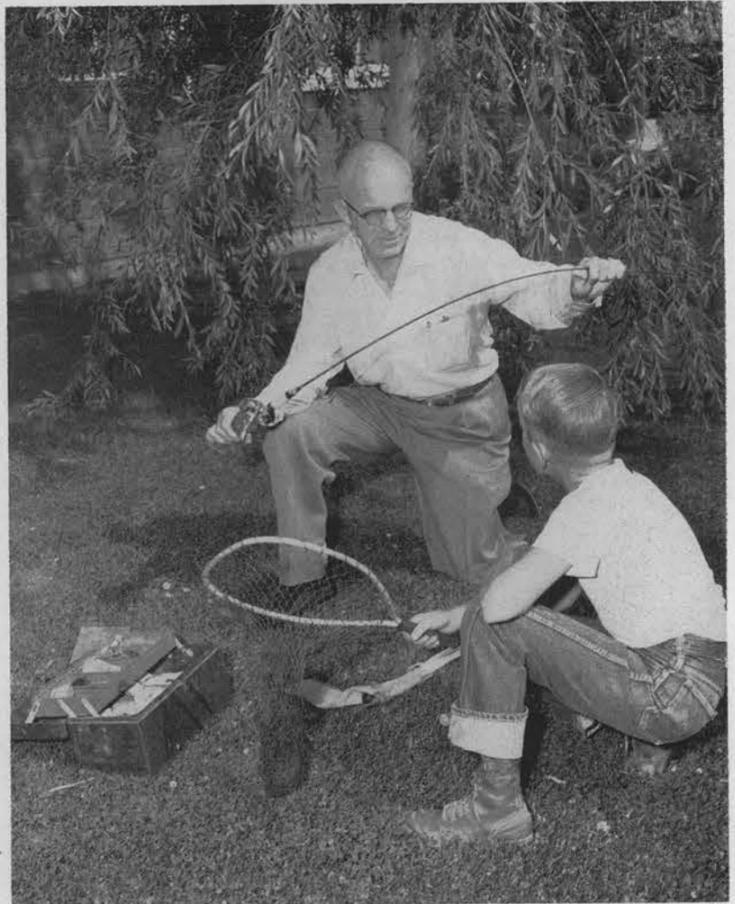


Photo by Dunlap

VETERAN ANGLER Russ Merrell, a member of Albuquerque's pilot Big Brother group, gives some pointers to his young charge.

Sandia's 'Big Brothers' Stand Straightest When They Stoop to Help Young Boys

A "little brother" is a youngster between the ages of eight and 17 who needs friendship, affection, advice and guidance.

He may be in difficulty with the law, having trouble at school or he may be maladjusted, fatherless, or simply an unhappy, unfortunate boy in need of male influence and companionship.

Big Brothers, Inc.

Such lads the "Big Brothers of America, Inc." are helping. A pilot group of Big Brothers has been organized in the Duke City with several Sandia Corporation men already actively participating.

The steering committee of Albuquerque's fledgling organization is headed by 5351's Eugene Copeland, chairman, along with William B. Hoyt, 1242, Gailey B. Underwood, local business man, and Walter Olson, a member of the Public Schools guidance department.



Eugene Copeland

"No man ever stands so straight as when he stoops to help a boy" is the motto of the Big Brothers. And this city has its share of teenage and sub-teen individuals who are badly in need of adult male guidance. As Gene Copeland says, "The problems range from advice on selecting a future career to offsetting a kid's association with a hoodlum gang."

Preventive Approach

The Big Brothers are not attempting work with severely emotionally disturbed boys who need professional care. Neither are they concerned with the tough juvenile delinquent. Theirs is a preventive approach. The Public Schools Guidance Department or social agencies know dozens of candidates who need Big Brother help — it is the hope of Copeland's group that some day the Albuquerque Big Brothers will be fittingly organized to team up with a fair number, at least, of the young unfortunates.

The demonstration era for the local unit is now underway. Russell Merrell, 2542, is a practicing Big Brother assigned to a boy, as well as being "interim Big Brother", the latter job embracing liaison work in teaming up a young candidate with a suitable adult volunteer.

"It isn't a hit or miss proposition, either," Committee Chairman Copeland points out. "Professional social workers and our people select a duo with common interests, hobbies, preferences. After all, you can't take a little bookworm and team him up with the hardy sports-minded adult.

Or vice versa. It won't work."

Youngsters Respected

A youngster's dignity is respected by the Big Brothers, too. They don't dwell on past mistakes, nor "talk down" to him, nor reveal his identity to disinterested persons.

Instead they may meet him once a week for lunch, or take him to a movie, fishing, the ballgame, or show him how to use the Public Library. If there is a mutual hobby, the Big Brother may invite the boy into his home where they'll have dinner with the family and spend an evening working on a radio set, or building model planes.

The Big Brother process is not a cure-all for juvenile delinquency, its members Walter Hall, 2541, and Carl Pearlston, 5332, emphasize. But here is what former Albuquerque Probation Officer William J. Cooper had to say about the group last January:

Heavy Case Load

"We've a case load of 80 to 120 kids whom each of us sees every week. Most of them are good kids. If only we had more time to devote to them, they wouldn't be back here in my office again.

"There ought to be just 'one man for one boy'. A Big Brother agency to which these kids could be referred would certainly lighten the load."

Copeland and his associates are making an all-out effort to establish a permanent Big Brother outfit. Gene suggests that other Sandians who are interested in the program call him at his home, Alb. 5-4688. Bob Dewhurst, 1923, is preparing a series of newsletters to describe the progress of the Albuquerque Big Brother experiment and a word to him or Gene will put you on the mailing list.

500 Employees Join Credit Union In 6-Month Period

"Flourishing even more," is the report about the Sandia Laboratory Federal Credit Union given recently by members of the organization's educational committee.

In the first six months of 1955 there were 500 employees who joined the credit union. Today the total membership is about 3,000.

Share-savings now total \$850,000. There are 1745 loans now in effect and they average \$375. Each month about \$150,000 in new loans are made.

The credit union, educational committee members state, now makes available to Sandia Corporation employees the lowest interest rates in town on loans for new and used cars, furniture, appliances and vacations.



Wilbert LeClaire

SANDIA LAB NEWS

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Telephones: Sandia Base Extension 25253 or 26135



The Hoover Commission Says - - -

A Hoover Commission subcommittee, told of elsewhere in this issue of the Sandia Lab News, had some interesting things to report recently. They are especially interesting to employees of Sandia Corporation, a vital part of the atomic weapons research and development program.

Here are a few sentences from the report:

"The Atomic Energy Commission carries out the operations of research and development essential to the production of atomic weapons and military propulsion systems through contract operation of Commission installations by academic and industrial organizations.

"That area of work specific to atomic weapons is done through contract operation by the University of California in installations at Los Alamos, N. Mex., and Livermore, Calif., and by the Western Electric Co. through Sandia Corporation in Commission installations at Sandia Military Base, Albuquerque, N. Mex.

"The outstanding accomplishments of our atomic weapons program in themselves are good evidence of the effectiveness of the research and development organization and program of the Atomic Energy Commission, and the cooperation and coordination in the work of the Atomic Energy Commission and of the military.

"The evaluations essential to progress in research and standardization of weapons are done at instrumented ranges in Nevada and Pacific Islands. . . . The cooperative planning, programming, and carrying out of the tests by the Atomic Energy Commission and the military are an enormously complex organizational undertaking. . . . The relative smoothness attained in the planning and execution of these huge test programs, and their effectiveness, supply direct evidence of the competence of organization and the spirit of cooperation between the Atomic Energy Commission and the military, in connection with these joint projects."

These may well be considered words of high praise for Sandia Corporation, other AEC contractors and the military for the Hoover Commission is well known for honest words, be they criticism or praise.



SANDIANS on military leave and recent graduates from the Naval Officer Candidate School at Newport, R. I., are shown here. Back row, L to R, are Sid Halpert 1282; Bill Schultheis 1213; George Glaser 5222; Harold Price 5421, and Edward Holland 5423; Front row, L to R, Al Impink 5424; Tom Manetsch 5221; Harvey Dale 5222; Howard Reid 5421, and Mel Eklund 5413.

Helen Gambrel, 2464, and her husband spent a pleasant week in Chihuahua recently.

Fishing on the Mora River in the Pecos area recently were 2531's Tom Reinhardt, Roy Carlmark, Harold Brueggemann and Fred Hansen, 2532.

P. A. Stickker, 2552, and his family have returned from a two week trip through the eastern part of the United States and Canada. L. R. Murphy, 2553, is spending his vacation in St. Paul, Minn.

Marty Baldwin, 2533, is justly proud of her new record in bowling — she has high game average with a score of 179 and high series with a score of 460 in the women's summer league at the Coronado Club

Welcomed back to 2533 recently was Bobby Jo Olsen—her co-workers congratulate the Olsens upon the arrival of a baby girl.

Geraldine Hickey, 5420, and her husband are spending their vacation in Los Angeles visiting her mother and brother. Marcy Samuelson, 5442, chose Denver for her holiday destination.

Back at work in 5400 after a 10-day convalescence at home is Jim Galbreath, 1917.

Entertaining relatives from Oregon are H. H. Patterson, 5440, and his family. Glenn A. Fowler, 5400, welcomes his wife and children home after their visit to California.

Fred Nylander, 5442, spent two weeks in training with the Army Reserve at Fort Bliss.

Roger S. Rhodes, 1216, and his family have returned from a week's vacation at Vallecito Dam near Durango, Colo. The Adam Deacons, 1214, accompanied by his parents from Illinois, vacationed at Yosemite and Sequoia National Parks and Los Angeles last month. Red River, N. M., and Las Cruces were the summer holiday destinations for A. R. Mandell, 1212, and his family.

From 2464: Ann States vacationed at Red River and Yuma, Ariz.; Kathryn McCarthy enjoyed a trip to Washington, D. C.; Juanita Bridge, and her husband, Derrell, 2452, fished at Gunnison, Colo., during their vacation.

California bound are vacationers from 3171. Jack Armbrust and his wife, Georgia, visited in Pomona while "Hoot" Lambert and his family went to the Los Angeles area via Las Vegas, Nev.

The J. R. Johnsons, 5252, have moved into their new home at 6006 Aldamonte NE.



A RECEPTION was held in La Cana Room following the marriage of Roberta Roberts, 1931, and Bob Hartman of the Sandia Base military police recently. The newlyweds honeymooned in Tucson and Phoenix. The bridegroom will receive his military discharge in July and the couple will live in Detroit where he'll join the Detroit Lions Professional Football Team.

Summer holidays for members of 5211 saw J. J. Miller and his wife off to northern California; Clyde Leyba, 5215, spent his vacation moving into his new home at 711 Charles Place NW; Cy Young, 5215, and family are spending their vacation at St. Louis and Atchison, Kans.; Wilbur Sheaffer, 5215, and his family enjoyed a fishing trip on the west fork of the Dolores River in Colorado recently.

Vancouver, Wash., and overnight stops in the Great Northwest were the vacation plans for 5212's Harvey North and Mrs. North. George P. Stobie, 5252, and his family enjoyed a visit with George's mother in Milwaukee, Wis.; the Leon Days, 5215, spent their holiday in Concordia, Kansas.

Bernard Rolsma, 5262, a lieutenant with the National Guard, has been on active duty in Casper, Wyo., assigned to a training course. Roma Coat's daughter, Romaine, has joined the WAAF and will take her basic training course at Lackland Air Force Base soon. Roma works in 5211.

Mr. and Mrs. Edwin Wittwer, 5212, vacationed during June in Milwaukee, Wis.

From 4135: Chris Brooks is enjoying a vacation in New Jersey with friends and relatives; Carrie Vick is touring the country between here and Chicago visiting places of interest; Earl Brooks and his family are spending their vacation fishing and relaxing.

around the departments



MRS. JACK BARBER winds up for the rolling pin throwing contest at 1610's recent picnic at Hope Nursery Picnic Grounds. More than 200 persons attended the gay event, enjoying games and refreshments. Ted Morse was "official" photographer for the afternoon.

Mary Ann Mares, 5216, is vacationing with her sister in Des Moines, Ia.; Stan Clayton, 5216, and his family are on a holiday in Indianapolis, Ind.

Omaha, Nebr. and Denver, Colo., are the vacation headquarters for 5251's Fay Taylor.

Frances Odle and Helen Melancon, both of 1921, enjoyed a three day camping trip recently, visiting Aztec ruins and Ouray and Silverton, Colo. They took side trips around Silverton, a mining town set high in the Rocky Mountains.

David Smith and his wife have returned from a junket to San Francisco, stopping for a few days at Las Vegas, Nev., and also visiting Death Valley and Yosemite National Park. A memento of the trip is Dave's gay sport shirt from the China Tea Garden.

Her friends in 1922 wish a fast recovery for Loy Etta Mann who submitted to an appendectomy recently.

Two Sandians hospitalized recently are G. E. Cunningham and Ralph Ambrose. Their fellow workers in 2232 wish them a fast recovery.

From 2232: Reginald Ostlund and his family are home from an extensive tour of California; Matt Bustos and his wife are readying to vacation in the Golden State; Mr. and Mrs. Lou Fields have returned from their honeymoon in Mexico.

Employees vacationing from 5611 include Tommy Thompson in Mexico and LeRoy Hassebroek, northern New Mexico.

Fishing in the Chama country this week is 1335's George Randle. Recently returned from a vacation with her husband and son is 1332's Virginia Golding. The family went to Nebraska to visit relatives.

Vacationing from 2461 is Rene Becher who is in Ohio visiting relatives and friends and attending graduation ceremonies and the wedding of her niece.

Irene Kominski, 2461, was honored at a surprise stork shower June 28 by her co-workers.

Jack Wiesen, 5131, his wife and four children are motoring to Sharon, Pa., to visit relatives. They are stopping in Columbus, Ohio, this weekend.

"Batching" while his wife and children are away is 5131's Ralph Calvert. Mrs. Calvert is in Minneapolis to attend the ceremonies for her father who has been named a fellow in the American Institute of Architects. Another summer bachelor from 5131 is Tim Preston whose wife and children are vacationing with relatives in Manchester, N. H.

Vacation season is taking 2100 members 'way around the nation: Roger McKenzie and his family went to Arizona and California; Gilbert McGinnis and family chose Red River, N. M.; also to Red River went the Don Hesselbarths, who visited, in addition, the southern part of the state; Roger Rice took a holiday in Texas; Harold Meidel chose the lakes region of Minnesota; Don and Pearl Rauch visited relatives in Pennsylvania; Lorenzo Rivera and Ehiponio Padilla vacationed in California. Paul Davis stayed close to the Duke City, vacationing at his mountain home and ranch in the Sandias.

George Henfling, 1931, is back from a holiday in St. Louis, Mo., and Tulsa, Okla. Charlie Stack, 1931, enjoyed a camping and fishing weekend in the Jemez country with his brother who was here from Texas. Warren Shafer, 1931, spent his vacation visiting the Carlsbad Caverns and Mexico.



A TRADITIONAL wedding photo from Knotts Berry Farm, was brought back by Dick Bassett and his bride who honeymooned there and in gay Las Vegas, Nev., following their wedding May 6 at St. John's Methodist Church in Albuquerque.

Betty Frost is en route to Medford, Ore., accompanying her parents on a trip to visit relatives.

Helen Tuttle was welcomed back to 5131 recently following her recuperation from major surgery.

A grandmother for the seventh time is Dorothy Willis, 1921, whose son and daughter-in-law, Mr. and Mrs. John Willis, became the parents of William Oliver Willis recently. Incidentally, the proud papa calls his son by the initials — WOW!

While John Anderson's parents visited here recently from Miami, Fla., the Sandian escorted them to places of interest in New Mexico and Arizona. John works in 1332.

Members of 1335 wish a speedy recovery for Lyman Middleditch who underwent surgery recently.

around the departments

Pat Longerot, 1214, and her husband spent two weeks with their parents in Corpus Christi, Texas. Enjoying a visit from his parents who live in Milwaukee, Wis., is 1212's Bernie Heinrich.

Clifford Bayer, 5512, was married June 10 to Edith Gandelman in Chicago. The couple spent their honeymoon in Colorado, visiting Denver, Estes Park and Durango.

Vacationers from 5512: Rea Chandler, to Indianapolis; L. C. Watkins, to Arkansas; Gwen Warnick, to Maryland; Carl Zickert, to Wisconsin; Myna Shinn, and her husband, Kenneth, 2471, to Salton Sea; Josephine Norwood, Cardiff-by-the-Sea in southern California; Ann Widner to Texas and Iowa.

June 24 was the date of the monthly birthday for members of 2223 when Ernie Gurule and Matt Ungerman were honored. Cake and coffee were served and gifts presented to Ernie and Matt.

Another angler who tried his luck at Red River recently was 2223's Walter Burns.

The Milton Lews, 2225, are vacationing in Pittsburgh, Pa. Milton is a Phillie fan so he should be enjoying the ballgames. Toledo, Ohio, is the vacation destination for the Melvin Bergs, 2225.

Loren Blakely, 2221, is wearing a white gold wedding band and the proud little woman is the former Shirley H. Spencer. Their nuptials were announced recently.

J. L. Cameron, 1325, and his family spent their vacation at Bandalier National Monument last month; Frank Murar headed for California for his annual holiday from 1323; and Wayne Brookshire, 1323, chose Arizona.

Larry Myers, 1932, and his wife and son have returned from a two weeks vacation in Pennsylvania and New York. While east they visited the Pennsylvania Grand Canyon and stayed with relatives in Wellsboro, Pa.

Donadieu "Frenchie" Sonnier, 1932, has returned from a visit in Frenchie's home state, Louisiana.

Harold Wild, 1932, visited with pro-golfers and close friends while on vacation in Denver, recently.

E. F. Cox, 5110, recently visited his mother in Eaton, Ohio. While there he attended the 25th reunion of his class of 1930 at Miami University, Oxford, Ohio.

W. R. Perret, 5111, has returned from Cambridge, Mass., where he participated in the 25th reunion of his class of '30 at Massachusetts Institute of Technology.

Red River yielded a 4½-pound trout for Ronnie Morrison, son of 2452's Vern Morrison, recently. Vern's party took a six mile pack trip into San Pedro Park while in the area and all caught their limits, he reports.

Bask at work after sick leaves are John Pfallmer, George Dingman and Clarence Carroll, all of 2452.

Recent vacationers from 1650 were W. C. Hunter, to California; D. E. Fossum, to Iowa, Wisconsin, Minnesota and North Dakota; M. C. Jones, to Pennsylvania, and F. B. Philipp, 1918, to Colorado for two weeks.

Minnesota is the summer holiday destination for P. W. Callies, 2552, and his family; Evelyn Anderson, 2531, spent an eventful weekend in Colorado recently — her automobile struck a stray horse and is now undergoing extensive repairs.

A newcomer in the home of Bob Flanagan, 5123, and his family is tiny Laura Marie who joined them last week.

Vacationing in California for two weeks is 2462's Ruth Lilley.



Photo by Dunlap

NEWCOMERS to the sunny southwest are these college students who are summer hires at Sandia Corporation. They are, L to R, Dallas Sasser, James A. Lechner, William E. Baker, Allen V. Robnett, Elliot N. Pinson,

David W. Lynch, and Gordon S. Reiter. Incidentally, it is a homecoming for young Reiter, who is a native of Albuquerque—he's enrolled at Cal Tech. After work at Sandia Corporation they will return to school this fall.

10 Out-of-State College Students Do Summer Work Here

Among summer hires at Sandia Corporation are college students from out-of-state universities who are assigned to specific projects in the technical departments.

These newcomers, who hail from coast to coast, are learning the professional side of their chosen fields.

William E. Baker, a student of electrical engineering at St. Louis University, is assigned to Org. 5222; James A. Lechner, a mathematics major from Princeton University, is working in 5120.

Also from Princeton are Elliot N. Pinson, 5143, whose field is engineering physics, Allen V. Robnett, 5112, electrical engineering, and William D. Greenspun, 5221, engineering physics.

California Institute of Technology is represented by Gordon S. Reiter, 1610, electrical engineering, Dallas Sasser from Yale University, a mathematics major, works in 5120, while Joseph Tierney, Massachusetts Institute of Technology, is assigned to 5300 in mechanical engineering.

David W. Lynch, 5143, a physics major, comes from the University of Illinois, and Frank R. Zitzmann, whose field is electrical engineering at Brooklyn Polytechnic Institute, is assigned in 1611.

"Fishin'," New Booklet Rack Selection, Will Be On Stands Today

The new booklet rack selection scheduled for the stands today is "Fishin'," a guide for fresh and salt water angling.

The pamphlet is complete on know-how for fishermen and even includes a weather chart which is forecasting in a nutshell.

Next week's selection will be a popular one, particularly for the ladies. It is "101 Quick Recipes" and features tasty dishes that can be prepared in 20 minutes or less. The booklet was compiled by the editors of Look magazine.

Two Sandians Write Magazine Article

A recent issue of the magazine Compensation Medicine contains an article written by two employees of Sandia Corporation's Medical Department.

William H. Kingsley and Dr. Fred G. Hirsch, authors, told of symptoms found in people working with direct process spirit duplicating machines.

They pointed out to industrial medical people that all phases of modern industry are deserving of their attention in protecting workers. Their discussion deals with hazards which may be experienced by office employees.

Mountain Climbers Go to Lake City

Sandia members of the New Mexico Mountain Club will travel to Lake City, Colorado, over the July 4th week-end to climb 14,000-foot Wetterhorn and Uncompahgre Mountains in the San Juan range.

Leader of the three-day expedition will be Paul Stewart.

Some rock climbing, and a walk up the Uncompahgre trail to the pass at 12,500 feet will be made during the trip. Members will camp out for the three days, it was announced, leaving Albuquerque either Friday or Saturday morning.

Swimming Classes Schedules Announced

Swimming classes are in progress now at the Coronado Club pool.

The schedule calls for the following classes to be held on Tuesdays and Thursdays only:

- Children, age 6 through 10: 10-10:30 a. m.
- Children, age 11 through 15: 10:30-11 a. m.
- Adults and children, 16 and over: 5-5:30 p. m.
- Intermediate Swimmers (any age): 5:30-6 p. m.

Chief Lifeguard James Fleming and his assistants are in charge of the lessons.

Congratulations

- BORN TO:**
- Mr. and Mrs. Robert Moll, 5312, a daughter, June 22.
 - Mr. and Mrs. Jim Beaudet, 2553, a daughter.
 - Mr. and Mrs. L. Dale Moritz, 5442, a daughter, Veda Ann, May 27.
 - Mr. and Mrs. Charles Clark, 5131, a son, Glen Edward, June 18.
 - Mr. and Mrs. Charles Barncord, 1632, a daughter, Linda Jo, May 27.
 - Mr. and Mrs. Gabe Chavez, 2232, a daughter, Jeanette, June 18.
 - Mr. and Mrs. George Baldonado, 6021, a daughter, Robin Georgette, June 17.
 - Mr. and Mrs. Floyd M. Keepports, AEC, a daughter, Jane Anne, June 13.
 - Mr. and Mrs. Charles Muehlenweg, 5143, a son, Robert J., June 8.
 - Mr. and Mrs. Luther Beatty, 2452, a daughter, Diane Marie, June 23.
 - Mr. and Mrs. Charles Wiedman, 2413, a daughter, Ann, June 8.
 - Mr. and Mrs. Ernest Gurule, 2223, a daughter, June 19.
 - Mr. and Mrs. Everett Ard, 5512, a daughter, Nancy Louise, May 29.
 - Mr. and Mrs. Dan Held, 4113, a daughter, Helen Louise, June 24.

Social Security Accounts Should Be Checked Regularly

Busy Sandians are reminded of the importance in regularly checking the amount of their deposits in their Social Security, Old Age and Survivors' Insurance account.

Accounts should be checked at least once every three years, so that funds deducted from pay checks may be charged properly to the correct account.

Letters requesting information on status of Social Security accounts should specify the name, address, and account number of the requestor. All Social Security accounts are maintained in the offices of the Social Security Administration, Candler Building, Baltimore 2, Maryland.

Employees may obtain printed inquiry cards at the local Social Security Office, Fifth and Gold.

New Library Acquisitions

Who's Who in Electronic Distribution, 1955 (reference only).

Basic Books for Your Control Engineering Library, Higgins, Thomas J., 1954-55 (may be obtained at Bldg. 880 Library branch, also).

The Strain Gage Primer, 1955. By Perry, Charles C.

Industrial Relations News — the coming revolution in industrial relations, 1955.

Photographic Motion Analysis, 1955. By Waddell, John H.

The Solar System, v.2, The Earth As a Planet, 1953. By Kuiper, Gerard Peter.

War of Wits, 1954. Ladislav Farago.

Maximiliano Jinzo Puts a Sparkle and Shine on Every Car on the Sandia Line

That ugly brown New Mexico soil which dulls your car's finish is just clay in the hands of Maximiliano Jinzo, Sandia Corporation's Auto Laundryman, who spends his working days with a long-handled brush, a hose, and a bucket of soap.

Regularly, he washes eight to ten buses, cars, fork lifts, semi-trailers, anything on wheels. He says he likes his job because "It's the coolest in the state."

Max Jinzo employs the "suds and brush" technique, widely used by motor fleet operators throughout the country. He first drenches the dirty vehicle with warm water, then fills a stout can with foam detergent, and brushes the soap over the surface of the car. He rinses off liquid soap with a high-pressure hose, later goes over the paint and glass with a damp chamois.

"Washing a bus," says Maximiliano, "takes me an hour or so. A car takes a lot less."

Jinzo's job also calls for inspection of each vehicle's engine and steam cleaning if necessary. He also steam cleans fork lifts and similar utility vehicles, using the superheated steam cleaning machine in a cleared outdoor area.

After cleaning, Jinzo drives the vehicle to the grease pits for a mechanical inspection and grease job.

Max has been a Sandia Corporation employee since February, 1948. He lives at 730 Poblano NW, with his wife and ten children: Rosalda, Carlota, Alex, Fermin, Luciano, Louis, Della, Richardita, Augustina, and Richard. "Just a beginning," Maximiliano Jinzo says, who is also proud of his 36 grandchildren and three great-grandchildren.



NEEDLE SPRAY of Maximiliano Jinzo's high pressure hose washes off detergent, gives pick-up truck that "new" look.

Radioactive Isotope Becomes X-Ray Eye For Engineers

When Sandia Corporation engineers want to "look inside" a metal casting, they do it with the help of an artificially produced radioactive isotope of cobalt. This isotope (known as CO⁶⁰) is used as a gamma ray source for taking X-ray pictures which will show defects in pieces of metal.

Osborne "Buzz" Milton is supervisor of the X-ray Analysis Section of the Test Laboratory Department, 1610., and he heads the staff which developed the local use of this highly effective method of gamma radiography.

Buzz reports the cobalt isotope is a partial substitute for a million-volt X-ray machine which with accessories would cost about \$100,000. The cobalt isotope method is also used in place of a betatron which would cost about \$150,000 installed. Though not as powerful as the betatron, nor as sensitive, the cobalt isotopes have proven adequate for current tests.

Cost Only \$6,200

"The complete installation of Sandia's cobalt source cost \$6,200," Milton says. This includes the price of the two capsules of radioactive co-

balt, the cost of mounting warning lights and bells, and of protective shielding for the room housing the equipment.

The cobalt installation is so designed that it is easy to operate, fast and safe. There is a pushbutton technique for lowering the radioactive source underground when it is not in use and for raising it when needed for a test—all by remote control.

The container for the radioactive isotope is a lead cylinder 17 inches in diameter and 18 inches high. The weighty cylinder is mounted on a hydraulic lift.

Here's how it works:

The radioactive cobalt isotope is in the lead container safely buried in the concrete floor of the well shielded room.

The casting to be tested is placed on a table and rolled into the room to a spot which will be directly in the "line of fire" of the gamma radiations when the lift comes up. X-ray film is placed behind the casting.

Room Made Safe

The X-ray analysis staff clears the room and the door is closed. When the button is pushed, two things

happen. The lift brings the radioactive isotope up from its well in the concrete floor. And the door to the room housing the equipment is automatically locked. Through an opening in one side of the cylinder, gamma rays are directed on the casting.

When the exposure time ends, another button is pushed and the cobalt isotope in its lead container sinks beneath the floor and the door unlocks.

This isotope emits radiation which easily penetrates five-eighths of an inch of lead, four inches of steel and eight or nine inches of aluminum.

Soon to be acquired by the section is an encapsulated source of Iridium 192 which will be used for aluminum radiography. This source will be equivalent in effective wave length to a 300,000 volt X-ray machine and with shielding weighing about 40 pounds may be safely carried about for work in other buildings in the Tech area.

With these "eyes"—a product of the atomic age—engineers may be more nearly certain that vital parts will stand the strain at crucial moments.

Softball Leagues Are Re-Organized For Summer Play

Softball play during the first round of the 1955 season came to a close last week, as re-shuffling of 16 teams from a three-team circuit to twin "A" and "B" Leagues was accomplished.

The decision to reorganize the League was made at a meeting of all team managers in the Sandia Corporation recreation office. Teams formerly in "C" League were incorporated into the new "A" and "B" Leagues.

Matched for play in "A" League were the Dodgers, Braves, Cubs, Yankees, Indians, Padres, Athletics, and Orioles. In "B" League are the Tigers, White Sox, Oaks, Solons, Seals, Angels, Stars, and Senators.

Teams will continue to play under original schedules, it was announced. Three games will be played by each team every two weeks. Play will be resumed every other Monday night, and each Wednesday evening.

There will be two additional rounds of softball play this summer, the recreation section announced, after which a tournament will be held on Base diamonds.

Orelio Montoya Earns Bachelor's Degree at St. Joseph's College

A BA degree in education was awarded to Orelio Montoya, 1621, from the College of St. Joseph at their commencement exercises in late May.

Orie started to college in 1949, attending full time for three years on a



Orelio Montoya

scholarship. He has been attending night school since 1953. He came to Sandia Corporation in August, 1952, when he joined the Employee Services Dept., later transferring to 1621 where he is now employed as a technician in the chemical laboratory.

Orie is a native New Mexican from Belen and is a member of the New Mexico National Guard.

He and his wife, Nellie, reside at 1313 Marron Circle NE.

University Summer Lecture Series Begins

The summer schedule for the University of New Mexico's "Lectures Under the Stars" has been announced.

On July 11 Irene Bewley, a professional entertainer, will present an amusing talk, "Fools, Feuds and Furriners". Tom O. Evans, a geologist with the Santa Fe Railroad at Grants will be featured July 18 speaking on "The Race for Uranium".

Ann Nolan Clark, Santa Fe author of children's books, will speak July 25 on "Mesas, Mountains and Valleys". Final lecture in the series will be August 1 when Lewis Nordyke, western writer from Amarillo is scheduled for "The Cowboy Rides On and On".

The lectures are held Monday evenings at 8 o'clock in front of the UNM administration building. They are free to the public.

Keith Mead Elected Chairman of ASM

Newly elected officers of the American Society for Metals, Albuquerque chapter, include Keith Mead 1621, chairman; Robert S. Lemm 2113, vice-chairman; Ben F. Blythe 5521, secretary, and Art W. Porter 2112, treasurer.

The executive board includes Jack Abbott 1622, former chairman, and Richard Matuszeski (ACF), Douglas W. Grobecker 1621, Douglas W. Ballard 1634, and Frank A. McGillicuddy 2351.

The group will announce their July meeting when the date, sometime after July 15, is determined. Subject of that meeting will be "Magnesium."

Bridge Tournament Set for July 10

A duplicate bridge tournament for Coronado Club members and guests will be July 10 at 7 p. m., in the main ballroom at the Club.

Two trophies will be awarded by the Club for first and second places, and all admission fees will be donated to the players as prize money. Admission is 40 cents per person.

Duplicate bridge sessions are held every Thursday night at the Club, at 7:45 p. m. Some 7 to 10 tables are active each night.

Hup Wallis Tops Tennis Ladder

Top man on the Sandia Corporation tennis ladder this week is Hup Wallis who defeated Willie Padilla for the post.

In third spot is Charlie Keever who retained his position after a match with Malcolm Bull. Art Graybill is in fourth spot.

Charlie Chavez, last year's champion, is back in the running again after a late start this season due to recuperation from surgery. His opponents report Charlie will be a definite threat before the season is over.



COBALT CONTAINER—Buzz Milton, supervisor of the X-ray Analysis Section, 1612-4, holds a small metal capsule like the one used to contain the radioactive cobalt isotope which makes relatively inexpensive radiography available to Sandia Lab.



TRANSFER of radioactive isotope is made by William Dolen of the X-ray laboratory staff.

Photos by Dunlap

Ticket Sales Open For University Concerts

Ticket sales for the three concerts of the University of New Mexico's Chorus and Orchestra 1955-56 series are now underway, it was announced by Kurt Frederick, director.

The dates for the Sunday concerts include November 20, March 18 and May 20, all at 8:15 p. m. Tickets for individual concerts will not be sold, but season tickets valid for all three performances may be purchased for \$2.

A limited number of tickets are available at the office of the UNM Music Department. Checks should be made out to the Choral Fund of UNM.

Sympathy

To Wynne K. Cox, 2461, whose mother died recently.

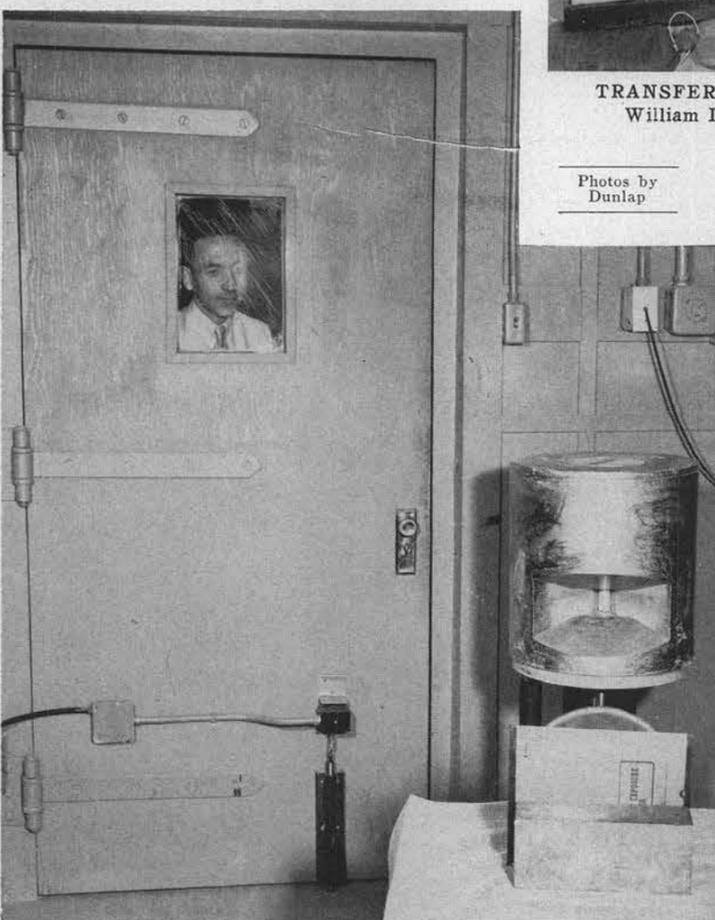
To R. W. Devore, 5611, for the death of his grandfather in Denver.

To Larry Lowe, 2113, for the death of his brother in Detroit.

To Peter J. Broullire, AEC, whose mother died in Iron Mountain, Mich.

To Timothy Regan, 1941, whose wife died June 24 in Albuquerque.

To Eugene W. Peirce, 3120, whose father died last week in Losantville, Ind.



ISOTOPE WORKING—This staged demonstration shows how Sandia's radioactive isotope of cobalt is used in X-ray photographing metal castings. The gamma ray source is in the lead cylinder on the right side of the illustration. The casting is in front of the X-ray film standing on edge, directly in line of radiation. Through the window of the locked door is Maurice Karnowski of the X-ray Analysis Section.

Coming Events

— Theatre, Art, Music, Lectures —

Friday, July 1

"Annie Get Your Gun", Summerhouse, Old Town, 8:30 p. m.

Saturday, July 2

"Annie Get Your Gun", Summerhouse, Old Town, 8:30 p. m.
"The Private Life of Henry VIII", UNM Film Society, Patio of Inter-American Affairs Bldg., Fairgrounds, 8 and 10 p. m.

Sunday, July 3

"Annie Get Your Gun", Summerhouse, Old Town, 8:30 p. m.

Tuesday, July 5

"The Fourposter", Summerhouse, Old Town, 8:30 p. m.

Wednesday, July 6

"The Fourposter", Summerhouse, Old Town, 8:30 p. m.

Thursday, July 7

"The Fourposter", Summerhouse, Old Town, 8:30 p. m.

Friday, July 8

"The Fourposter", Summerhouse, Old Town, 8:30 p. m.

Saturday, July 9

"The Fourposter", Summerhouse, Old Town, 8:30 p. m.
"Men Are Not Gods", UNM Film Society, Fairgrounds, 8 and 10 p. m.

Monday, July 11

"Feuds, Fools and Furriners", Irene Bewley, Lectures Under the Stars, UNM, 8 p. m.

Tuesday, July 12

"Picnic", Summerhouse, Old Town, 8:30 p. m.

Wednesday, July 13

"Picnic", Summerhouse, Old Town, 8:30 p. m.

Thursday, July 14

"Picnic", Summerhouse, Old Town, 8:30 p. m.

Corporation Restaurants

Serve 500 Meals To Hungry Sandians

More than 500 meals a day are prepared by chefs who regularly feed Sandia Corporation employees in two technical area restaurants, the Coronado Club restaurant, and the patio snack bar.

Technically termed "intraplant feeding" by the Coronado Club's manager, John Taylor, food preparation for 550 guests each day entails a considerable amount of planning and detailed study. Menus are planned three days in advance, Taylor says.

Some 50 to 100 meals each week-day are served in the patio snack bar, Taylor reports, but more than 500 meals go out on weekends. Luncheons only are served at Tech Area dining rooms in Buildings 880 and 839; lunch and dinner meals are served in the Club's main dining room.

Food for both Tech Area restaurants, Taylor says, is prepared in the Coronado Club kitchens, transported each morning to the steam tables within the area. In charge at the 880 Restaurant is Burt Furlow; at 839, Mildred Treffert.

Installation of so-called "Cold Lines," a long display counter of sandwiches, salads, and cuts of pie and cake, have attracted an increasing number of Sandia customers, Taylor says. "Sandians like the meal-time convenience," he said.



SMILING Eva Chavez leaves serving line in Building 839's modern restaurant where more than a hundred Sandians dine each day.



Photos by Laskar

BRIGHTLY surveying the "cold line" snack bar in Building 880 are several of the restaurant's regular customers. "Cold Line" serves sandwiches, salads, pie, cuts of cake, and other luncheon items.



SWIMMERS, thirsty, hungry and tired, are doing something about it at the Coronado Club snack bar near the Club's swimming pool. Hamburgers, cold drinks, candy are popular products of the snack bar.

Weddings and Engagements

The marriage of Betty J. Marti, 2542, to Sgt. John W. McGhee was an event of June 17 at Kirtland AFB Chapel. The couple will return to Albuquerque this month after a trip east to visit Betty's parents in Joliet, Ill., where a reception was planned for them. Carlita Tunnel, also 2542, was maid of honor at the wedding. The newlyweds planned to visit in Wisconsin and Canada before returning to New Mexico.

The engagement of Margaret Montgomery, 1932, to A/3 Raymond Durbin, Jr., was announced recently. Margaret's fiancé, assigned to NASWF at Kirtland AFB, is the son of Mr. and Mrs. Raymond Durbin, Sr., of Alcoa, Tenn. The couple plan their wedding for September 25 at the Sandia Base Chapel.



Miss Montgomery Miss Wright

The engagement of Cora Belle Wright, 2333, to John R. Gaff, son of Mr. and Mrs. Ford Gaff of Lafayette, Ill., has been announced by her parents, Mr. and Mrs. Kermit Wright, 420 Richmond Dr. SE. The prospective bridegroom is currently serving with the USAF in North Africa and a wedding is planned for April next year.

Now at home at 9017 Woodland Ave. NE are Mr. and Mrs. O. C. Sullins who were married June 21 at St. Luke's Lutheran Church in Hoffmanton. The bride is the former Astrid Oberg, 1924. A miscellaneous shower was held for Astrid at Leonard's Restaurant last Monday.

Vernetta Bradley, 1924, and James W. Schafer of Albuquerque were married June 29 in an informal evening ceremony in the chapel of First Presbyterian Church. The couple will be at home at 115 Locust St. NE after their wedding trip. Vernetta, who joined the Laboratory in 1952, was honored recently when Kay Scranton and Bea Brooking from her department were co-hostesses at a shower.

PROMOTIONS

MAURICE GOWDEY to supervisor of the Manual Preparation Section 2, 1723-2. Maurie joined Sandia



Laboratory in March, 1952, as a standards engineer, later transferring to the Military Liaison department as an instructor. He was subsequently assigned to the manual writing organization in 1723. For the 13 years before he came to Albuquerque, Maurie worked for Puget Sound Naval Shipyards as an electronics engineer. He also was employed briefly as an operator for Radio Station KBI in Tacoma, Wash. A graduate of the University of Washington with a B. S. degree in electrical engineering, Maurie served in the U. S. Army in 1946 when he was assigned to the Alaska Communications System.

WILLIAM G. JENKINS to manager of Production Control Department, 2220. "Bill" was graduated



from Pratt Institute, Brooklyn, N. Y., in 1923 as an electrical engineer, joining Western Electric Co. that same year. Until 1929 he supervised many of the large power installations in the New York area, transferring that year to the installation engineers organization where he was associated with power test and development as an engineer and supervisor. During the war period, Bill was department chief at W. E.'s Kearny plant, and in 1946 he joined the operation manager's staff in New York as department supervisor. Before transferring to Sandia in September, 1950, he was on assignment as a member of the Bell Telephone Laboratories technical staff on power development. While here he has been supervisor of Inspection Control Division and of the Program Administration Division.

LEE E. HOLLINGSWORTH to manager of Engineering Department C. Lee came to Sandia in



October, 1950, following his graduation from the University of California with a B. S. degree in engineering and physics. He was promoted to supervisor of Section 1242-1, in March, 1952, and a year later became head of Division 1242, both within Engineering Department C. Lee was a chief radioman with the U. S. Navy from 1941 to 1946, and after leaving service entered Modesto Junior College, Modesto, Calif. He was employed part-time as a laboratory assistant while attending college and transferred in 1949 to the U. of Calif. He is a member of the American Physical Society.

PAUL J. KROGDAHL to supervisor of Project Engineering Division, 5621. Paul spent three years in



the field artillery, U. S. Army, during World War II, then entered the University of Illinois and was graduated in 1948 with a B. S. degree in metallurgical engineering. He joined Allis Chalmers Company in Springfield, Ill., where he worked as a metallurgist until the fall of 1949 when he accepted employment with Sandia Corporation. For the last year and a half he has been supervisor of the maintenance section, Project Engineering Dept., 5621-1.

Welcome Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between June 10 and June 22, 1955:

Herbert A. Williams	1210
Lynn M. Barker	1215
Kenneth H. Cordes	1240
Richard T. Othmer	1282
Waleen D. Peterson	1283
Jay D. Gilson	1326
Gordon S. Reiter	1611
Audrey A. Coble	1641
Mary L. Crimmins	1622
Edward S. Phinney	1731
Elden L. Parwitz	1931
Esther O. Cooper	1925
Roman S. Heuer	1940
Carola W. Taylor	2112
Robert J. Rozensky	2151

Nemesio Martinez	2419
Abram C. Grose	2419
Gertrude M. Minshall	2461
Marjorie M. Bates	2464
Frank D. Baca	2464
Wanda L. Kassens	2464
Richard R. Czerner	2530
Lucille E. Kennedy	2551
Lucille T. Baca	4131
Frank J. Tuffs	4152
Betty F. Fulton	4152
Allen W. Robnett	5142
Charles H. Armbruster	5140
David W. Lynch	5143
Elliot N. Pinson	5143
William E. Baker	5222
Walter S. Connolly	5243
Roy M. Tidwell	5243
Philip T. Boling	5300
Arthur S. Gillespie	5300
George Volda	5300

shopping center

CLASSIFIED ADVERTISING

Deadline: Friday noon prior to week of publication.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please

Next Deadline: Noon, July 8

FOR SALE—

1951 BSA-Sunbeam motorcycle, completely rebuilt one year ago \$350. Lucas, Alb. 5-8569.

HAM TRANSMITTER, 20 watts phone, complete \$50; new plate transformer, 2000-2500 volt., 500 MA \$25; Audio oscillator \$5; Schmidt optical system \$3. Szeman, Alb. 5-1943.

DELUXE HOTPOINT electric range, pushbutton control, automatic timed oven, one year old \$250. Landrith, ext. 22235.

CONTAX III with f.2 Sonnar lens, coupled rangefinder and light meter \$85. Johnson, Alb. 5-1296.

GE REVERSIBLE twin fan ventilator, \$50 or will trade for lawn furniture. Jarvis, Alb. 6-4882.

1951 PONTIAC, 4-door, R and H, white side-walls \$825. Parker, Alb. 6-0260.

ROTARY POWER MOWER, 21-in., 1 1/2 HP, 4 cycle, Briggs and Stratton motor \$35 or best offer. Beach, 2523 Gen. Marshall NE, Alb. 6-4900.

PLYMOUTH, 1947, special Deluxe club coupe, R and H, extras, motor just overhauled \$250. Kavet, 1836 Blume St. NE, ext. 34255.

ROLLAWAY, 3 1/2 size; 45,000 BTU space heater with Minneapolis-Honeywell control, used one season; chrome kitchen table, green formica top. Gauerke, Alb. 5-6514.

INDIAN CHIEF 1948 motorcycle \$200 or best offer. Roane, Alb. 6-7384.

PE-103 DYNAMOTOR \$25; Stancar ST-203-A 10 and 11 meter transmitter, reconditioned from Bob Henry \$30. Wacek, 637 Cardenas Dr. SE, ext. 4-7146.

EVINRUDE MOTOR, 10 HP, 14-foot aluminum boat, many extras \$300. Raney, Alb. 4-5308.

FLINTLOCK cap and ball pistol \$65; Remington cap and ball percussion revolver \$65; Smitha, 8607 Menaul, Alb. 6-9493.

USED COLEMAN two-burner camp stove \$4; Toft, ext. 4-5166.

1949 PLYMOUTH club coupe, clean \$365; 1950 Ford V-8 4-door, clean \$450. Regan, 420 Yale Blvd. SE, Alb. 6-9202.

PLYMOUTH SUBURBAN 1951 with heater. Beach, 2632 San Pablo NE, Alb. 5-9259.

MANKIN HOME, near base, 3 bedrooms, 1 1/2 baths, patio, walled yard, GI appraised. Pewe, 737 Kentucky SE, Alb. 6-1824.

TWO-BEDROOM HOME, 437 Aliso Dr. NE, building in rear, terms \$10,500, patio, trees, landscaped. Butolph, ext. 28141.

FORD SEDAN, 1941 4-door, good second car \$95. Smith, Alb. 5-6478.

DEEFPREEZE, Kenmore upright, 1 year old, cost \$400 new, will take \$250. Mahoub, Alb. 6-5721.

DAVENPORT, chair and buffet, clean, \$100 or best offer. Hoff, Alb. 5-7274.

JUNIOR ROADMASTER 16-in. sidewalk bike for boy or girl, balance wheels, clean \$20. McKay, Alb. 5-1130.

THREE BEDROOM HOME, 1 1/2 baths, lawn, wall, trees, utility room, insulated garage \$8950, \$400 down. Martin, 3408 Cuervo NE, Alb. 4-0342.

LIMED-OAK CORNER TABLE, overstuffed red fringe chair, cherry maple bed and dresser, mirror, spring and mattress. Schlahta, Alb. 6-7248.

LARGE TWO-BEDROOM house and garage, trees, walled patio, paved street, will sell equity reasonably. Mercer, Alb. 6-8191.

TWO BEDROOM HOUSE, large garage, full fence, trees \$7300, \$800 down, \$70 month, or best offer, only 5 minutes from base. Skelly, 447 Louisiana SE.

BEAUTIFULLY DECORATED two bedroom home, desirable Heights section, woodburning fireplace, sprinklers, garage. Bone, Alb. 3-5915.

TWO BEDROOM HOME, blinds, drapes, carpeting, tile bath, detached garage, utility room, lawn, sprinklers, FHA, \$9450, 4%. Smith, Alb. 6-9411.

SPEED QUEEN IRONER, used only 6 times \$55; 1939 Oldsmobile, runs good \$40. Furry, Alb. 4-2300, 5208 Cherokee NE.

LADIES LUGGAGE, 3 pieces brown Samsonite — overnight, convertible and train case \$35. Lautner, Alb. 3-7498.

DINNER RING, 9 diamonds clustered around pearl \$75. Beyernheimer, Alb. 6-4638.

PLYMOUTH CAMBRIDGE, 2-door, 1951, 1949 Indian Scout motorcycle, \$100. Pan-American dance band trumpet \$45; piccolo \$5. Hainlen, Alb. 5-6988.

PONTIAC 2-door, 1948, R and H, hydraulic \$250. Cooper, 8703 Fairbanks Rd. NE.

THREE-BEDROOM 6 room home, walled yards, patio, Bar-B-Que, landscaped, double garage w/storage, sacrifice for quick sale. Tolbert, Alb. 2-7757.

TWO-ELEMENT 20-meter beam, tower and rotator \$35; 2 KW power supply \$50. Pegue, 913 California SE, Alb. 5-2084.

CLEAN TWO-BEDROOM home, walled, landscaped, payments \$57. Conrad, Alb. 6-5954.

FOUR-BEDROOM HOME near west gate, hardwood floors, central air conditioning, bath and 3/4, \$1300 down, total \$12,500 Vermillion, Alb. 6-6249.

1951 TUDOR 6 FORD, R and H, good rubber, F and R Guards, make offer, Stoppkott, Alb. 6-5957.

FORD RANCHWAGON, 1953, 6, R and H, overdrive, nominal mileage, very clean \$1400. Kennedy, Alb. 5-9374.

ONE-MINUTE wringer type washer \$30. Van Vickle, Alb. 6-3223.

CRAFTSMAN lawn trimmer \$20 value, \$10; Mido self-winding watch, year's guarantee \$20; large dog house \$5. Kersey, ext. 42155.

SAVAGE 300 bolt action rifle, used once, best offer; electric cow horn for any car, new, best offer, Robinson, Alb. 6-6675.

GE AUTOMATIC WASHER \$75 will trade for camera, projector, trailer, power mower. Silva, 307 Rio Grande SW, Alb. 2-1419.

PORTABLE TYPEWRITER, Smith-Corona, consider trade for top quality, late model standard typewriter, LeCompte Alb. 5-3261.

INEZ BRICK HOME, 3 bedroom, den, attached garage, sprinklers, wall, well-landscaped, Deacon, 2121 Wisconsin St. NE. Alb. 6-1157.

SOFA, two chairs, Haywood-Wakefield bamboo, needs recovering \$50. Heaston, ext. 33272.

CADILLAC SEDAN, 1951-62, 4-door, clean, R and H, white side-walls, Hydramatic, Gelwicks, Alb. 6-1076.

TWO-WHEEL UTILITY TRAILER, good tires, spare wheel \$50; oscillating fan \$5, window evaporative car cooler \$10. Schutzberger, Alb. 6-6856.

RADIO-PHONOGRAPH, table model, 4 speeds, ceramic pickup and feedback circuitry, matching base, record storage, \$50 for both, Young, ext. 34170.

CAMPING TRAILER, 6 x 7 \$125. Peterson, 3204 30th Place, ext. 22171.

LARGE COFFEE TABLE, suitable for spacious room, cost \$85 new, sell for \$15. Baxter, 3224 LaVeta Dr. NE, Alb. 4-1392.

WHIZZER MOTOR BIKE, needs tuning up, \$50 or best offer. Clark, 3314 45th St., ext. 28269.

THREE-BEDROOM HOME, hardwood floors, basement, patio, wall, lawn, shade trees, near school, bus, shopping center, low down payment. Dickerson, Alb. 6-8491.

DeSOTO, 1951 sedan, R and H \$650. Abernathy, 5-4386.

COMBINATION RADIO, 3-speed record changer, table model, storage cabinet, mahogany \$60. Clark, Alb. 6-5439.

CORNER MAHOGANY lamp table \$10; square mahogany lamp table \$10; 8-ft. round aqua, white fringe hassock \$10. Dusek, 812 Adams St. NE, ext. 33260.

COXE CASTING REEL; Johnson spinning reel. Scott, ext. 34234 noontime.

JEEPSTER, 1950, 6 cyl., R and H, new seat covers \$600. Mehlhouse, ext. 33277.

COUCH, very large and comfortable \$35. Creveling, 214 16th St. SW, Alb. 2-3790.

2-BR. HOUSE, Hoffman, wall, landscaped, payments \$57. Conrad, Alb. 6-5954.

THREE BEDROOM HOME, den, 1 1/2 bath, double garage, carpeting, range, refrigerator, air-conditioned, fully improved. Mook, 9817 Leyendecker NE, Alb. 6-8488.

RACE BIKE, 26-in., 3-speed; red drop-leaf chrome table and two chairs. Luckett, Alb. 6-2346 after 5.

HOUSETRAILER, combination living and traveling 29-ft., tandem wheels, 1952 Roadmaster, clean and modern. Hanna, Alb. 6-1140.

CHICAGO ROLLERSKATES, used only 5 times, white, size 8, cost new \$18.95, will sell for \$12. Besser, ext. 26152.

RCA 1/2-ton refrigeration air-conditioner \$125; girl's bicycle \$25; RME-15 communications receiver with speaker \$75. Gomel, Alb. 6-9098.

EMERSON hassock-type floor fan, 4-speed motor \$5. Harper, Alb. 6-9236.

1952 ITALIAN MOTORSCOOTER, recent overhaul, includes new piston, rod, rings, crankshaft, clutch and tires \$85. McCampbell, Alb. 6-4156 after 5.

ADOBE IN PLACITAS: 2 bedroom house and 2-room house, 1/2 acres \$7800 total, \$1800 down. Wood, ext. 21232.

REINFORCING STEEL, 1/2-in., 40-ft., new, best offer. Perea, Alb. 5-6902.

GE PORTABLE DISHWASHER \$15; 4-bedroom American Builders home, walled, patio, near schools and bus. Kaspar, ext. 47287.

FOLDING grey leather baby carriage, best offer. Langdon, Alb. 6-5758.

INDIAN lightweight bicycle, 4-speed, generator and lights, less than 1 year old \$40. Caster, Alb. 6-5430.

FLOOR LOOM with accessories, year, value at \$200, will take \$150 cash, or trade for condenser-type enlarger, other photo gear, guns, lathe. Neeves, Alb. 3-5874.

PONY SADDLE \$40 or best offer. Warnick, Alb. 7-8269.

Org. 1640 Golfers In Handicap Tourney On University Course

Golfers in the 1640 Organization held a Handicap Golf Tournament on the University golf course recently.

Taking top place was Al Gower of 1641. Second place went to George Warner, with third to Ken Helms-tadter 1622, and fourth, Vince Melillo 1641.

Andy Anderson won the 1st nine holes, and Bob Hewitt of 1643 the second round. Net high scorer was Bill Melegan 1643. Cecil Page 1641 won high gross.

Awards of golfing equipment and gift certificates were made to all winners. All other entrants received golf balls and bags of tees.

TWO-BEDROOM HOME, den, near Jefferson JHS, Montezuma, UNM, beautifully landscaped, financing arranged. Corkran, Alb. 5-1793.

OR TRADE: 1954 Ford Skyliner, plastic top, Fordomatic, R and H, WSW, loaded. (Interested in 1953 2-door Studebaker on trade.) Chandler, ext. 54286.

FORD custom deluxe 1951, 4-door, R and H, OD, clean, one-family car \$645. Morter, 8608 Claremont NE, ext. 26164.

FIFTEEN CANDY-VENDING machines, 100-bars capacity \$100 total. Ortega, ext. 25262.

SUNBEAM SHAVEMASTER and case, 4 months old \$15. Graving, Alb. 5-8928 after 5.

GIRL'S BIKE 20-in. \$20; collapsible baby carriage \$10. Frantz, 1820 Florida NE, Alb. 5-4044.

BABY FURNITURE — playpen w/pad, bathinette, bassinet w/pad and liner, Teeterbabe. Townsend, Alb. 6-4884.

SIMMONS SOFA BED; table model Motorola radio 78 rpm phono-combination. Preston, Alb. 6-4565.

THREE BEDROOM HOME near west gate, walled back yard with patio, play equipment, lawn, near schools, churches \$12,000, 4% loan, will take 2nd mortgage. McGillicuddy, 808 Florida SE, Alb. 5-7216.

WANTED—

TRAILER TOW HITCH for housetrailer. Nelson, Alb. 3-8494.

TO JOIN CAR POOL vicinity Menaul and San Mateo to Bldg. 802; also want to buy used window cooler, 1500-2000 cfm. Tockey, ext. 32143.

RIDERS to corporation from Tijeras, Spruce area. Westmark, ext. 35233.

CLEANING WOMAN regularly once each week. Mrs. Day, ext. 48180 after 5.

LIGHTWEIGHT BICYCLE to borrow, rent or buy for summer. Lechner, ext. 22132.

RIDE or will drive in car pool, Rio Grande and Ind. Sch. Road to Bldg. 802. Ness, Alb. 2-5714.

RIDE from Lomas and 15th St. NW to Bldg. 880. Raye Knoff, ext. 31134.

ROOM for 2 or 3 persons, driving to Los Angeles about July 22 or 23. Chavez, Alb. 5-5461.

USED TAYLOR TRICYCLE in good shape, 20-inch front wheel. Brown, Alb. 5-6384.

RIDE from vicinity 2600 Sierra NE to Bldg. 802. Minshall, ext. 34148.

RIDE from vicinity 909 Kentucky SE to Bldg. 880. Ruby Edson, Alb. 6-2750.

RIDE from vicinity 2800 Cardenas NE to Bldg. 802. Malenfant, ext. 34133.

RIDERS to southwest Minnesota, leaving July 14, returning July 30. Mrs. Nelson, 1215 Solano Dr. SE, ext. 29162.

1949 OR LATER General Motors 6 or 48 engine and automatic transmission. Johnson, Alb. 6-9762.

ADDITIONAL DRIVERS for car pool from vicinity Carlisle Village (1000 Carlisle SE) to Bldg. 802. Nylander, Alb. 6-7437.

HOUSECLEANING LADY, half-day a week, good pay. Chandler, ext. 5-4286.

MISCELLANEOUS—

WILL CARE for children in my home or yours. Mrs. Meek, Alb. 6-1210.

FREE KITTENS and puppies, either sex; pups are part Cocker Spaniel. Muench, ext. 27262.

FOR RENT—

TWO BEDROOM duplex apartments, range and refrigerator furnished, water, garbage paid, garage, \$75 mo. 4724 Ind. Sch. Rd. NE. Mayer, Alb. 4-2010.

DUPLEX, 2-bedroom furnished, Coal and Yale, tile bath and kitchen, \$70 month. Jones, Alb. 5-3390.

FOUND—

SHEAFFER PENCIL, black, engraved "Bill Atkins". Sandia Corp. Lost and Found, ext. 26149.

TWO BICYCLES, one English style, one nondescript, both with flat tires. Sandia Corp. Lost and Found, ext. 26149.

TRADE—

MY EQUITY in 1954 Mercury 2-Door, R and H, OD, w/w, all extras. Original owner. \$600 or '50-'51 model car. Blackstad, 6-9106 after 4:30. 537 Morningside NE.



EINAR MORTERUD gives the log to Lloyd Melick, left, at operations on the Machen ranch, fixed station headquarters for the simulated emergency task. Onlookers are, L to R: Lt. Don Lambrecht, Bill Derr.



ART PERRY, seated, makes contact with another "ham" during the Sandia Base Radio Club's field day participation last weekend. Looking on is Carl Carlberg.

Radio Club Calls Extend Far, Wide In Field Exercise

Contacts were made with Hawaii, Alaska and even within the Arctic Circle when the Sandia Base Radio Club participated last weekend in a nation-wide "field day".

The event simulated an emergency of the type when a fixed station is needed to handle messages near a disaster area. Altogether more than 500 contacts were made by the local group.

Equipment was set up Saturday and Sunday at A. B. Machen's ranch in the north valley near Corrales, and the majority of work was done during Saturday night.

Bill Goodwin Joins Insurance Counsellor Office at Sandia

Ernest "Bill" Goodwin has joined the staff of the Sandia Corporation Insurance Counsellor's office. He will join Robert Hoff in assisting Corporation employees with their insurance problems.

Bill is an insurance adviser with more than nine years of experience in the field. He became associated with

the Minnesota Mutual Insurance Company on June 1. He is a student in the Albuquerque Life Underwriters Training Course, and has lived in Albuquerque since 1946.

Bill says he averages 3 to 4 interviews a day with insurance-minded Sandians who find the insurance payroll deduction plan an easy way to save for future contingencies.

Bill is married, and lives with his wife, Sally, and four boys at 1809 California NE. His office extension is 29261; his home phone: 6-1269.

Jackpot Bowling In Schedule For Coronado Clubs

Singles jackpot competition at the Coronado Club bowling lanes will continue through the weekend of July 10.

Submission of an established ABC or WIBC average of 21 games or more is required and the jackpot play is limited to club members.

Entry fee is 50 cents, plus bowling fees. Four games must be rolled, the best three of which will be entered, plus 75 per cent handicap, for the jackpot prize.

Winner of the tournament will receive 20 per cent of the gross amount "in the pot". Additional prizes will be scaled down accordingly, depending upon the number of entry fees received.

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**I Professional
R Group
E Activities**

Electronic Computers

J. R. Felker of Bell Telephone Laboratories will address the Albuquerque-Los Alamos section of the Institute of Radio Engineers on TRADIC, the first large-scale application of transistors to digital computers. Felker, instrumental in the design of the new-type computer, will give his talk at a meeting July 14 at 8:15 p. m.

The technical portion of the IRE meeting will follow a buffet dinner for IRE members and their ladies in La Cana Room of the Coronado Club at 6:30 p. m. The meeting is sponsored by the professional group on electronic computers.

Micro-Wave Theory and Techniques

Elected to head the professional group on microwave theory and techniques was Sheldon H. Dike, 5133. Frank Janza, 5412, will act as vice-chairman in the coming year, and George Arnot, 5413, secretary.

Circuit Theory

The professional group on circuit theory chose Norman Elliott, 5414, to lead the group during the fall meeting season, with George Webber, 5442, elected vice-chairman and J. McClay, 5440, secretary.

Nuclear Science

New chairman of the group is Robert D. Jones, 1344. Elected vice-chairman is Gene Newlin, 6010, and as secretary, Bob Creveling, 5414.

All professional groups of the Albuquerque-Los Alamos section have announced that no further meetings will be held during the summer months.

No job is so important and no service is so urgent that we cannot take time to perform our work safely.