

SANDIA BULLETIN

Vol. IV, No. 13

SANDIA CORPORATION, ALBUQUERQUE, N. M.

June 20, 1952



LUCKY FATHER Fred Brown, 2411, was the winner of a jack-pot of gifts at a drawing held last Sunday night at the University of New Mexico Stadium. He won a \$125 summer wardrobe plus 44 gifts ranging from a \$50 rotisserie (electric barbecue grill) to a steak dinner for the family. All in all the gifts total about \$725—not bad for Father's Day. Here Herman Clausner, secretary-treasurer of the Albuquerque Retailers Association which sponsored the drawing, congratulates Fred as his wife, Myrtle, and children, Connie, 5, and Freddy, 3, look on.

Ingenuity Solves Eniwetok Testing Troubles, Lenander Reveals In Talk

A talk which could well be entitled "Necessity is the Mother of Ingenuity" is being presented this afternoon by Harlan E. Lenander, 5230, at a week-end symposium for the Applied Mechanics Division of the American Society of Mechanical Engineers at Pennsylvania State College.

Operation Greenhouse

The paper is actually entitled "Instruments for Measuring and Recording Shock Wave Pressures and Responses of Structural Members," and it deals with problems in testing which occurred in the spring of 1951 at Operation Greenhouse conducted at the Pacific Proving Ground, Eniwetok Atoll, Marshall Islands. A number of Sandia Corporation employees, including Mr. Lenander, participated in the tests.

In connection with the atomic explosions set off at that time it was decided to construct a number of structures located at varying distances from one of the nuclear blasts in order to determine the type of damage to be expected on various kinds of construction during a nuclear explosion.

To do this the structures had to be completely instrumented in order to measure the impact of the blast and the effect of the blast on the structure.

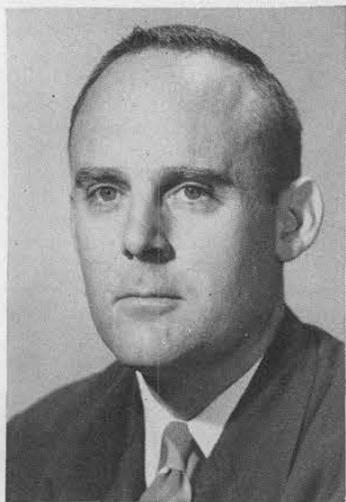
That's where the ingenuity came in. Much of the measuring and recording could be performed by commercially available instruments, but it was also found that for many of the tests commercially available instruments were either not in existence or not rugged enough to withstand the high humidity, salt spray, dust and temperatures approaching 100 degrees Fahrenheit encountered at Eniwetok.

Sandians Solve Problem

The solution? Make them ourselves. And that's just what we did, according to Harlan Lenander.

"To obtain information regarding the order in which parts of the building fail, that is, whether the roof or the front wall fails first, a device called a panel-time-of-break was developed by Sandia Laboratory. Four locations on any structure could be instrumented on one recording channel by this system."

Another of the ingenious devices designed through sheer necessity was the Stimascope. A measurement was needed to determine, before and after the blast, "the soundness and quality of concrete by measuring the velocity



Mr. Lenander

of transmission of a sound pulse through it. An instrument called the Stimascope was designed and built at Sandia Laboratory to determine the velocity of transmission."

The paper was concerned chiefly with the details of the technical instrumentation performed at Eniwetok and in its conclusion Mr. Lenander stated that "although considerable difficulties were encountered during the set-up, calibration, and installation of the recording equipment, approximately 90 per cent of the information requested by the Army, Navy and Air Force was obtained."

Group for Aid To Handicapped Children Meets

A meeting of the Association for the Education of Handicapped Children will be June 16 at 7:30 p.m. in the Southern Union Gas Company hospitality room, 723 W. Silver, according to Dr. F. G. Hirsch, 3160.

Everyone interested is urged to attend. The constitution and by-laws will be drawn up.

Mobile Blood Bank on Base Next Month

Sandians will again have a chance to give blood to the Red Cross Mobile Blood Bank which will be on the Base July 8, 9 and 10. Sandia Corporation employees will be scheduled for their donations on Tuesday, July 8. Application blanks for donors will be delivered to supervisors for distribution to interested employees and the forms should be turned back in time to reach the Employee Services Department no later than Friday, June 27. Schedules will be arranged by Employee Services Department and donors will be notified of the time they are to appear. Those who volunteered last time and were not scheduled will be given precedence.

Mr. Dewey Returns To W. E. August 1

Announcement has been made of the appointment of Philip D. Wesson as General Attorney for Sandia Corporation replacing Frank L. Dewey, August 1. Mr. Dewey will return to Western Electric Company where he will be Assistant General Attorney at the company's headquarters at 195 Broadway in New York City.

Mr. Wesson, who has been an attorney for Western Electric Company in New York, is not a stranger to New Mexico. He was General Attorney for Sandia Corporation from October, 1949, to May, 1950, and was replaced by Mr. Dewey at that time.

During the two years Mr. Dewey has been at Sandia he has taken an active part in many civic activities in addition to his official functions as General Attorney. He headed the Sandia committee for the Community Chest drive in 1951 and was a member of the same committee in 1950. One of the highlights of his tour here was the acceptance of a beautiful Indian head dress from the boys at the Albuquerque Indian School in recognition of his outstanding leadership in the Community Chest drive during which more than \$20,000 was turned over to the Albuquerque organization from Sandia Corporation and its employees.

Mr. and Mrs. Dewey and their daughter, Mary Lewis, who have made their home on the Base, have become enthusiastic Southwesterners and will take back with them a sizeable collection of Indian art and artifacts. They have been studying Spanish at evening classes and recently visited Old Mexico on a vacation trip.

Mr. Dewey was one of the guiding lights in the formation of the Coronado Club and has been a strong supporter of the club since then, serving unofficially as legal adviser for the directors and assisting in writing of the articles of incorporation, the by-laws and the contract with Anderson-Dunham.

He has also been a member of the Employee Review Committee and the Community Facilities Committee. He was admitted to the New Mexico Bar to practice law in New Mexico.

Plan IRE Audio Group

An Institute of Radio Engineering Professional Group on Audio Engineering is being organized.

IRE membership is not mandatory, and those interested in joining the group should contact Don Couden or Don Scidmore, 5421, at ext. 33151.

Mr. Quarles Tells Newspapermen of Sandia's Tasks in AEC Program

Security, foremost in the minds of all Sandia Corporation employees, is a burden which is willingly borne, but often places us in a difficult and maybe embarrassing position when friends ask what we do at Sandia Corporation. A short answer is safest, but not always understood by the interrogator.

Recently our company president, Donald A. Quarles, spoke to a group of newspapermen and civil defense officials who were present at a test of a nuclear weapon at the Nevada test grounds. His words telling of our operation will be of great interest and may help you answer questions without violating security.

Following are some excerpts from Mr. Quarles talk:

"I think the layman has at least some appreciation of the great scientific complexity of the project (Sandia Laboratory) but perhaps only very vague ideas about the great variety and detail of the ordnance engineering aspects. I will try to add to this part of the picture.

Special Ordnance Involved

"First, what do we mean by ordnance engineering. To use a familiar illustration, the development and design of artillery would be ordnance engineering, involving such things as the design of the projectile with the explosive warhead, the artillery piece proper and perhaps the design of a lot of test and handling equipment that would be necessary in field operations.

"We are dealing here with a very special kind of atomic ordnance and the Sandia and Los Alamos Laboratories divide up the job; Los Alamos being responsible not only for the research work on the fissionable material constituting the explosive, but for research and design of the whole explosive system.

"Sandia's job is to build the explosive system into a practical weapon. The Sandia function includes not only this development and design work on the weapon as such, but also broad systems engineering types of studies required in the planning of weapon systems, the devising of auxiliary test and handling equipment, the planning of inspection procedures, and finally the surveillance function which follows the equipment into stockpile and maintains a continuous check on its operating integrity and quality. Sandia development function also includes a sizeable field test organization which cooperates

with the military in the testing of new models of atomic weapons. For this latter purpose Sandia Laboratory operates a test range at Salton Sea which has been carefully instrumented for the wide variety of precision tests required.

Post-Korea Expansion

"... Dr. Bradbury (LASL) spoke of the splendid organization that has been built up at Los Alamos to handle the research and nuclear design phases of the job, and our Sandia Laboratory in Albuquerque works in close cooperation with his. In the early days of the project Sandia Laboratory was a branch of Los Alamos, set up at Sandia Base in order to have close working relations with the military organizations participating in the program.

"About two and a half years ago the University of California, contractor to the Commission in these operations, asked to be relieved of the ordnance engineering phase at Sandia and at the request of the Commission the Bell System took on the Sandia responsibility, organizing for this purpose Sandia Corporation, a wholly owned, non-profit subsidiary of the Western Electric Company. Since that time with the step-up in the program post Korea and with the very large increase in the variety and complexity of the program, the Sandia Laboratory has grown about three-fold.

"... In the recent years, particularly since Korea, there have been many new ideas as to how atomic weapons might be used by the military. I can well imagine that with the many suggestions about kinds, varieties, sizes and shapes of these weapons there could have been a very great variety introduced. Our job is to study these possibilities very carefully and to lay such information before the commission and the Military as will enable them to make wise decisions as to the lines of development to be pursued. This must take into account not only the Laboratory problems in developing the new device, but the field problems in training to handle, test, assemble and deliver weapons."

Bridge, Canasta Slated

Bridge fans will be glad to hear that Mrs. Della M. Hampton will again give instructions in bridge at the Coronado Club Monday night from 8 to 10 p.m.



Dr. M. J. Kelly, President of Bell Telephone Laboratories and a member of the Board of Directors of Sandia Corporation, spent several days at Sandia recently and is shown here with (L to R) R. E. Poole, Vice-President Development; D. A. Quarles, President

of Sandia Corporation; Dr. Kelly; T. E. Shea, Vice-President and General Manager; W. A. MacNair, Vice-President Research; and F. Schmidt, Vice-President Operations.

SANDIA BULLETIN

Friday, June 20, 1952

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

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Photography by Photographic and Reproduction Division

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

Telephone Ext. 25253



Joyce Cheetham, 3153, and Fred Collatz, 3152, received their Bachelor of Arts degrees from the University of New Mexico this month. Joyce majored in Education and Fred in Psychology and Personnel Administration.

Margie Baca, 3153, her sister and three friends left last week for a vacation trip to the East where they will visit in New York, Washington, D.C., Canada and Chicago. The girls are making the tour by train.

Twenty-six co-workers honored Ann Ryan, 3151, at a farewell luncheon June 12 in the Staff room of the Coronado Club. Ann left Sandia last week to accompany her husband to his new station.



NEVADA FISHING was good for Bob Davis, 2414. Bob, standing on the left, and a friend display their catch of small-mouth bass which they caught at Mojave Lake recently. They ranged from one to four pounds. Mojave Lake has a limit of 10 fish per day and Bob described the sport at Mojave as "super." For further information about fishing at Mojave Lake Bob says you can call him at ext. 28258.

Lucky winner of the television set in the recent Valley Oil Co. drawing was Bill Scott, 1922-2. Bill reports that he and his family are enjoying the prize very much.

Welcome back to Don Skinrood and Helen Russo, both of 1222. They are returning to work after three weeks on the sick list.

Guy Woodruff and George Neun, 1222, went fishing up north at Canjilon Lakes. The latest report is that the fishing that day was very poor. However, the hike into and out from the lake, they say, was very invigorating.

It's good to see Jim Marchionda, 1223, back on the job. Jim recently spent three weeks in the hospital following a minor operation.

Duane McClelland, 1222, and his wife motored to North Dakota for two weeks to visit with relatives.

Throwing caution to the winds in the face of possible future floods, Ed Bauer, 1221, has moved to the valley.

A Bob Hope benefit show was one of the highlights of their recent trip to Los Angeles according to Mary Patillos, 2333. Mary and her husband spent two weeks on the coast.

The Gastas, Billie, 2233, and Max, 2122, spent a week in Long Beach, Calif., recently.

After vacationing in Fort Worth and Oklahoma City, Oleta Morris, 2333, and her husband are back to work. Oleta reports that the Grand Canyon was one of the special sights of their trip.

Anita Kloenne, 2331, has returned from a pleasant vacation in Cincinnati, Ohio.

This year's vacation was an extra special one for Raymond Russell, 2335. Ray traveled by train to Ohio and Michigan and drove a new Chevrolet back.

Congratulations are in order to Jim Zartman, 1810. Jim was one of those in cap and gown at the June 2 Commencement Exercises at the University.

Resting and working around the house occupied Ray Lucero, 2472-3, during his recent two weeks' vacation.

Jack Mafit, 3152, and wife, Sue, 4261, fished streams in the Taos territory the June 7th week end. They were forced to by-pass some of their favorite spots because of high water. Jack caught his limit one day despite muddy streams.

Visiting Margie Bolton, 3152, over a recent week end was her mother from Graham, Tex. The Bolton's small daughter accompanied her grandmother back to Texas for a visit.

Dan B. McCarthy, 3152, will take his family on a two weeks vacation to South Dakota and Wyoming, beginning June 23. They will motor through the Black Hills and visit Big Horn country in Wyoming, also plan to enjoy some fishing.

Spending a vacation at her new California style home, 2032 N. San Mateo, will be Mildred High, 3160, who leaves June 30.

Evelyn Abbott, 3152, vacationed last week with her family at home and at their future home near Los Lunas which will soon be completed.

Congratulations to Dick Martin, 5431, and his wife, Ethyl, on the birth of a son. Robert Clayton weighed in on May 18 at eight pounds two ounces.

Sosie Castillo, 3125, is vacationing for a week in Los Angeles. Plans included sightseeing on the coast.

"Did a little fishing while I was there," reports Oscar Lewis, 4311, when asked about his recent trip to Tennessee.

Visiting his family home in Pittsburgh will take Bill Gamberale, 3152, to Pennsylvania for a two-week vacation beginning early in July.

The El Capitan took Peggy Poulsen, 2510, and her son, Randy, to Stanton, Calif., for a visit with her parents.

Jerry Marko, AEC, is entertaining her parents who are visiting here from Illinois.

Returning from a vacation with a report of having a wonderful time is Jack Ward, AEC. Jack visited Grand Junction and Denver, Colo.

The Harold Lee, AEC, family is visiting friends and relatives in the old home town of Evansville, Ill.

Bonnie Walters, AEC, flew to California for a week vacation of sightseeing and relaxing.

Congratulations to Thomas Harell, 2464-2, on the birth of a son. Tom called the office to spread the news and proudly announced that the baby looked just like him.

Ellen Foster, 2464-2, is in Denver taking care of her daughter who is ill.

Michigan is the state chosen by Robert Ward, AEC, and his family for their vacation. Plans include visiting some of the choice fishing spots.

Congratulations to Frank Bell, 3151, on the June 9 addition to the family. The baby is a girl.

Just returned from a Chicago vacation is Mabel Harry, 2464. Mabel's husband went with her.

Frankie Couch, AEC, and her husband are enjoying a vacation in Texas and California.

The mountains near Alamosa, Colo., are the scene of a restful vacation for Nita McDonald, AEC, and her son.

A luncheon was given at the Coronado Club in honor of Jackie Barnes, AEC, by the girls in the supply branch. Jackie was presented a Sampsonite traveling case to be used when she leaves for Burbank, Calif., with her husband.

One Sandian who had a part in helping to evacuate people from their homes during the recent flood was Bob Borah, AEC. Bob and his Civil Air Patrol squadron were called immediately when waters began to rise.

Pat Griffin, AEC, is leaving today for a vacation that will take her to the states along the Gulf of Mexico.

Vacation plans for Roy Smeltzer, 1924-2, include showing his brother and sister from Detroit, Mich., some of the local sights.

Fern Green, 2461-2, spent a week vacation at home, relaxing and working around the house.



FISHING WAS GOOD on Red River recently. Here Mrs. Arnold Bentz holds a four-pound, 21-inch trout she caught while on a trip with her husband, who works in 5224, and Herb Jewett, 2124, and his wife. The four caught 42 trout over the week end.

AROUND THE DEPARTMENTS

There's a Blue Ribbon winner in the family of John Samuelson, 2352, and John is extremely proud of him. The dachshund, Fritz de Albuquerque, took not only the Blue Ribbon but a Reserve Winner Ribbon in his class at the dog show held at Tingley Field on June 8.

Georgie, 2351, and Jack, 2121, Armbrust spent a recent week end in Phoenix, Ariz., visiting friends.



VACATION IN MEXICO was enjoyed recently by Alfredo Montoya, 2532, and his wife. They spent two weeks touring Chihuahua, Guadalajara, Mexico City, Tampico and Monterrey and returned by way of Carlsbad to visit the Caverns.

Louise Major, 3153, is entertaining her sister who arrived early this month for an indefinite visit.

It's the bachelor's life for Dave McGiboney, 3152, when Mrs. McGiboney and children go to Boston, Mass., late this month for a visit.

Returning Monday from a vacation in Mississippi will be Rudy Frantik, 5131. Rudy, his wife and three daughters visited relatives while there.

Natalie Vytlacil, who attends Mills College, Oakland, Calif., is spending the summer months at the home of her parents in Albuquerque. Her father is Nicholas Vytlacil, 3151.

Grace Nicks, 3153, returned June 9 from a vacation spent at home resting and working around the house.

The Alvarado Hotel was the scene of a farewell dinner for Ruth Lloyd, 5130. Ruth will be leaving soon to join her husband in Tokyo. Present were: Mary Andersen 5110, Elva Baldwin 4222-4, Natalie Bradley 5141, Margaret Ewing 5120, Mary Lou Fresquez 5131, Barbara Frost 5100, Joy Gray 5132, Jane Howard 1261, Louise Klopolsky 5144, Verne Mowers 5410, Loretta Nemes 5143, Ione Pierson 5140, Carrie Pumphrey 5140, Marie Ream 3100, Winifred Simpson 5120, Elvina Strance 5141, Margaret Sylvanus 4222-3, Gertrude Theiler 5111, Evelyn Wallace 5143-1.

Sightseeing in our own Land of Enchantment kept Clarence Henry, 2334, busy during his vacation. Highlights of the trip were the White Sands and the Carlsbad Caverns.

Congratulations to Charles Phelps, 2334, on the June 7 birth of his son. Charles William tipped the scales at 6 pounds 9 ounces. His wife, Betty, previously worked in 2334.

There's a new addition in the household of Willie Baca, 2334. His son Stephen arrived June 9, weighing 8 pounds. Congratulations, Willie.

A recent week end took Clarence Fleming and Mike Coleman, both of 4135, to Loveland, Colo., and the Royal Gorge on a sightseeing tour.

Carole Rizera is a new member of the Lambert Rizera, 2221-1, household. Congratulations, Lambert!

Milton Nance, 2222-1, and his wife, Sally, just returned from a trip which took them to Phoenix, Tucson and the Grand Canyon.

Fishing plans took Marvie McFee, 2221-2, and her husband, Norman, to Durango, Colo., for their vacation.

Congratulations to Fermin Vallejos, 2234, on his marriage to Mary Chavira of Belen May 21.

Fred Brown, 2234, will be having all the fresh sea food he wants in sunny California on his present two-week vacation.

A visit with his family took Ralph Gustin, 2234, to Indiana during his vacation.

A tour throughout the Southwest is on the vacation agenda for Bill Husted, 2234. His parents are accompanying him.

Everyone in 2100 extends best wishes for a speedy recovery for Mrs. Russell Herbert who recently returned home from the hospital following a major operation. Russ is in 2123-2a.

Personnel in 2230 and 2540 honored Mildred Gilcrease, 2540, with a dinner at the Airport Restaurant recently. Those present reported a grand party.

Las Vegas, Nev., is the spot Wynne Cox, 2461-2, has selected for her vacation.

Two of the mares shown at the New Mexico spring horse fair, June 13-15, are owned jointly by Agnes Williams, 2464, and Phil Hoyt, 4131. Four-year-old Plaudit's Cherokee and 6-year-old Silver Doll have both won prizes in previous shows.



FISHIN' SUCCESS is displayed by David L. Smith, 2124-1, who recently wet a line in Red River. The trout is 21¾ inches long and weighs 4¾ pounds.

Back to work after a week vacation is Elizabeth Wallick, 3152. Elizabeth spent the time in and around Albuquerque with her husband who was here on leave.

Ballet has attracted two of the girls in 2512. Mary Jean Lucas has been studying for about six months and Texas Maupin just recently started.

Tariffs, Waybills and Time Tables No Mystery to The Folks in Traffic

Transportation, one of the nation's biggest industries, provides a vital link in the widespread activities of Sandia Corporation. Freight traffic and passenger travel are necessary to keep the wheels of progress turning here, and the Traffic Division, 2341, headed by T. J. Jorgensen, sees to it that all rolls smoothly in this field.

When in the course of the job a freight shipment is to be sent out or received by the company the operation must be handled quickly and efficiently. Traffic makes the necessary arrangements and follows through. Or if it becomes necessary for a Sandian to make a business trip he need only to call the Traffic office, give the pertinent information, and on the day of departure his tickets are ready, room reservations made and travel schedule arranged.

The mysteries of freight rates, routes, types of transportation, time tables and schedules need not be delved into by the shipper or the traveler. The folks in the Traffic Division will do it all.

Traffic Big Industry

The reason for the existence of special traffic organizations in industry is that traffic management has become an important part of business management. It is all the result of the responsibility of industry to assemble raw materials and then distribute the article after it is manufactured. Sandia is an "industry" peculiar unto itself but still has the job of traffic management to do.

It all adds up to a big undertaking. For example, last year Sandia's



TRAFFIC DIVISION supervisor is T. J. "Ted" Jorgensen. Ted is the man who coordinates the business between Sandia Corporation and the transportation industry of the country.

Traffic organization audited 14,982 freight bills, resulting in a substantial savings to the Corporation. In order to maintain our work schedules Traffic expedited 3,661 shipments of freight, hastening delivery over what would have been possible with ordinary handling. Household goods for 486 families were moved in the 12-month period. In the field of passenger travel the folks in Traffic secured 9,569 reservations for land and air transportation and hotel accommodations.

Speed is important in handling shipments for defense industries, but men and women in the Traffic Division also maintain a sharp lookout for savings in transportation costs. Economy-mindedness of the division

paid off last year and \$96,700 was saved by changing routings on freight shipments.

Form Organization

It may sound easy, as long as you have a book which tells you how. But there is no book. The men in the transportation industry recognize the complexities of their profession and in an attempt to assist each other in doing a better job have formed an organization known as The Associated Traffic Clubs of America which now has 45,000 members. The newly-formed Albuquerque Traffic Club, a member of the association, has a membership representing many businesses in the city, including Sandia Corporation. Ted Jorgensen is president of the Club, J. R. Spence is secretary-treasurer and J. H. Hann a member. Both of the latter two work with Ted in the Traffic organization.

Though the functions of traffic organizations are little known, less understood and seldom hailed, as surely as planes fly overhead and trains and trucks run through our countryside, the men and women of the traffic departments are behind them.

IRE to Install Officers Today

C. W. Carnahan, 5410, who was recently elected chairman of the local chapter of the Institute of Radio Engineers, along with Edward G. Miller, 5312, vice president, and L. E. French, secretary, will be installed at a picnic to be held by the group this afternoon.

The installation picnic will be held at Doc Long's picnic grounds in the Sandia Mountains. It will begin at 5 p.m. and last until about 8 p.m.

Installation will not be held for the office of treasurer because of a three-way deadlock which occurred at the recent election. Plans for a runoff are underway, according to B. J. Bittner, 5412, present chairman.

Former Residents Of Badger State Sought by Club

Sandians who claim Wisconsin as their former home state are invited to become a member of the local Wisconsin Club. An organizational meeting of the group was held recently and Neil Hansen, 3152, was named president and Val Gault, AEC, secretary treasurer.

Plans are being made for a dinner meeting to be at 6:30 July 2 in the small dining room at Coronado Club and any former Wisconsinites who are employed by either Sandia Corporation or the AEC may call Neil at his home (6-0019) for further information.

Radio Club Busy On Field Day Slated Tomorrow

The Sandia Base Radio Club is completing plans for participation in the annual Field Day competition of the American Radio Relay League, according to John Eckhart, 5221, W5CTG.

A four-transmitter entry with a team responsible for each transmitter has been set up and operation is contemplated on 10 meter phone, 15 meter telegraph, 20 meter phone and telegraph, 40 meter telegraph and 80 meter phone and telegraph.

Actual hours of operation are to be from 4 p.m. tomorrow until 4 p.m. Sunday, but it is expected that much of the installation work will be completed earlier tomorrow at the site, the Baylor and Koontz Ranch near Sandoval (Corrales).

Volunteers have been assigned to operation and installation teams, but any interested persons may still volunteer by appearing at the site on Saturday.

An amateur radio license is desirable, Eckhart says, but sufficient work is anticipated to keep everyone occupied.

The site is reached from North Fourth Street by following Corrales Road across the river from Alameda and on to the end of the pavement.

Amateur Talent Will Appear at Dance Saturday

An amateur variety show will highlight the Coronado Club's informal dance tomorrow night. Tommy Morgan's orchestra will play from 9 to 1 and during the half hour intermission a line up of talented performers will compete for a \$25 first prize, \$10 second prize and \$5 third prize.

Among those scheduled to perform: Jacque Quinn, 1810, who was such a hit at the Gay 90's Party, will sing folk songs and accompany herself on the guitar; June Weaver, wife of Chester O. Weaver, will sing operetta numbers; Edwin Walrath, the son of Lew Walrath, 2452, will give a trumpet solo; Thomas Meloche, 2335, impersonator of famous singers; and several others.

Virgil Harris, 5211, will act as master of ceremonies with arrangements being handled by Terry Riggan, 1243; and Ed Shorr, 1216. Three judges will make the decisions on the prize winners.

Promotions

GERTRUDE BYRNE, formerly secretary to F. L. Dewey, 6000, has been promoted to section supervisor of 1921-3. She joined the Laboratory in 1947 after four years in the Women's Army Corp where she was assigned to the Air Force.

Previously she spent four and a half years as a secretary for a real estate and insurance company in Albuquerque. She is a graduate of a local business college and at present is taking evening courses in business administration at the University of New Mexico.

SAMUEL L. EGGER was recently named supervisor of Division 1546.

He came to Sandia in 1950 from Petty Laboratories, San Antonio, Tex., where for five years he was an electrical engineer. Before that Sam was test engineer for the National Advisory Committee for Aeronautics for four years. He graduated from Texas A&M with a B. S. in electrical engineering and worked for oil companies a year prior to service in the Army for three years.



PASSENGER RESERVATIONS for Sandians are made by Lucille Rhoad and Geraldine Robinson. Last year 9,565 reservations were made by the division.



SANDIA FREIGHT moves in many manners, and here Jack Spence and Jim Hann talk to Dick Coffman of the Illinois-California Express Co.

What's My Line?



What Is This Man's Job with Sandia Corporation?

This man's co-workers look up to him. Without his help their jobs would be infinitely more difficult. His work calls for delicate handling of rugged equipment and he is perhaps the only person at Sandia who travels all day but stays in the same building. The mechanism he operates bears the name of a breed of birds and in many ways he takes the same view as these birds. What's his line? For the answer see page 4.



AEC ADVISORY PANEL FOR CONTINENTAL TESTS is shown here as they met at the Las Vegas Test Grounds. Front row, L to R, Dr. Alvin C. Graves, Nevada Proving Grounds Test Director; Dr. John Bugher, Director of Biology and Medicine for AEC after July 1; Dr. Howard Andrews, National Institute of Health; Carroll L. Tyler, Manager of

Santa Fe Operation AEC; Dr. Thomas L. Shipman, Los Alamos Scientific Laboratory. Second row, L to R, Dr. E. F. Cox, Sandia Corporation, Capt. Harry H. Haight, Biology and Medicine AEC; Comdr. Russell H. Maynard, Joint Task Force 132 USN; and Comdr. E. W. Pate, Joint Task Force 132, USN.



CORONADO CLUB OFFICERS AND DIRECTORS recently elected by the membership are pictured here. L to R, front row: Fred Fay 3230, treasurer; C. W. Campbell 1920, president; Erma Fauerbach AEC; W. A. Jenkins 3125, vice-president; William Galloway 2532, secretary. Second row: Bill Jobe 2411, Leo Dunn 1284, J. W. Kunetka 3122, Joe Toulouse AEC, (appointed), H. W. Sharp 3100 (appointed), Ray Thome AEC and Robert Malley 5242.

Coronado Club Elects Directors For New Year; C. W. Campbell President

Charles W. Campbell, 1920, was elected president of the Coronado Club Board of Directors last week at the third annual meeting of the membership. Other officers elected at the meeting were William A. Jenkins, 3125, vice president; William Galloway, 2532, secretary; and Fred Fay, 3230, treasurer.

Old Officers Commended

The eight other directors elected to the 12-man Board are Robert Malley 5242, Leo Dunn 1284, Erma Fauerbach AEC, Bill Jobe 2411, J. W. Kunetka 3122, and Ray Thome AEC. The two Board members appointed to represent Sandia Corporation and the AEC were Harold W. Sharp, 3100, and Joe Toulouse, AEC.

During the meeting commendations were extended by the membership to the past Directors for their fine work during the year. The retiring Directors are: David Tarbox, 3210, president; Bill Kraft, 2521, vice president; Earle Pace, 2310, secretary; Carl Baumgartner, 4133, treasurer; Carl Lindquist, AEC, Leo Trejanovic, 1920, Goldie Hart, 2470, William Rehbeck, 2544, Sam Johnson, 1283, and Bill Jobe, 2411.

A progress report on the activities of the out-going Board of Directors, made by Bill Kraft, stated that during the past year the membership of the Club has increased approximately 45 per cent, from less than 900 on May 30, 1951, to more than 1300 on May 30, 1952.

In addition, Kraft brought attention to the fact that the net worth of the Club has increased 120 per cent during the year. On April 30, 1951, the figure was \$7,629 and on the same date this year it was \$16,684.

Changes Made

The improvements and changes made by the Directors during their term were along lines of operating procedure, public relations and the Club's facilities. The newly instituted operating procedures included reservation privileges at major functions, booking of name bands, mailing calendars to the home, issue of house rules, reduced rates for prepayment of membership dues, and record of attendance at functions to provide entertainment that the majority of members desire.

The important improvements in public relations featured an offer of the use of the Club for group functions such as departmental gatherings, two-week guest membership to all new employees, and opening of the Club's facilities to groups associated with the Base such as the Toastmasters Club and the Sandia Base Women's Club.

Additions to the Club's facilities were also noted by Kraft. Among the improvements acted upon by the past Board of Directors he mentioned the renovation of a ladies' powder room off the ballroom, the finishing and furnishing of La Caña Room, purchase of a television set, and the enlargement of the bar along with the purchase of more beer coolers.

Fellow employees are glad to have Gruine Robinson, 2464, back to work after her recent bout with pneumonia.

New Employees

A welcome is extended to the following new employees who joined Sandia Corporation between May 28 and June 10.

Donald B. Webb	1211
John R. Cariveau	1231
Floyd L. McFarling	1231
Robert L. Peurifoy	1242
Leonard J. Baker	1311
Pierce L. Brown	1322
Robert C. Breslin	1521
Richard C. Dove	1530
Paul L. Camerzell	1531
Guy J. Wilson	1542
John R. Sundberg	1711
Herbert S. Wallis	1712
John J. Reid	1715
Clarence J. Zohn	1716
Frederick B. Philipp	1915
James McMinn	1922
John W. Tanner	1932
Robert W. Gardell	1951
Roscoe L. Champion	1953
Arnold D. Carlson	1955
William L. Rogers	2121
John Erni	2123
Gerhard Horn	2123
Clarence P. Canady	2123
Ralph A. Mall	2126
Callie M. Lambert	2231
Walter L. Shoemaker	2231
Robert Chappell	2234
Colfita H. Aragon	2334
Frederick T. Wilmot	2335
Harold L. Myers	2352
Richard L. Chapman	2421
Daniel F. Worth, III	2421
Doris C. Coston	2423
Michael A. Kuliasha	2441
Lucile K. Blake	2461
Manie G. Daniel	2464
Frances M. Firestone	2531
Louisa Aragon	2531
David S. Carrick	2532
Dwight J. Chenoweth	2532
David F. Lange	2532
Charles H. Caffey	2534
Catherine O. Mitchell	3154
Mary E. Riordan	3162
Pasquel A. DiDomenico	3222
Eugene C. Bostater	4130
Cleo F. Smith	4131
Shirley W. Crow	4131
Edna J. Bierner	4131
Neal A. Branson	4135
Cecilia L. Altuna	4135
Gerean M. Walker	4131
Leo Arellano	4152
Robert J. Guerin	4152
Kenneth L. McKown	4152
Lawrence W. Martin	4153
Faye G. Dobbs	4222
Katherine A. Poley	4222
Pauline T. Colson	4222
Geraldine M. Jungmeyer	4222
Marilyn H. Langmyer	4222
Curtis E. Caple	4231
Hunter P. Hanna	4311
Warren E. Taylor	5131
Harold L. Pike	5214
Thomas J. Intravaia	5214
Ben J. Petterson	5215
Arnold D. Thornbrough	5240
Phil H. Arnold	5241
Robert A. MacArthur	5243
John L. Minck	5233
Joe W. Wistow	5312
Hiram D. Chambliss	5312
Warren V. Elrod	5415
Clinton H. Purdue	5421
Robert E. Jones, Jr.	5421

AEC New Employees

Marv E. Ely	Operations Branch
Richard R. Malone	Operations Branch

Accompanied by his mother, Bill Lawrence, 1221, recently spent two very enjoyable weeks in California.

Jean Potts, 1241, enjoyed a wonderful Memorial Day week-end trip to Lake Vallecito, Colo. Trout for breakfast was unusual, but good, comments Jean.

Jim Lang, 1241, spent a three-day vacation touring Grand Canyon, Ariz., and also Oak Creek Canyon, Ariz.

SALTON SEA NEWS

Mrs. Emma Gene McClish, wife of Billy McClish, 2481-1, returned June 11 from Jonesboro, Ark. She can't make up her mind which she likes better, Southern California or Arkansas.

John Novikoff, BM 3/c U.S.N., has been assigned to the base from the Naval Air station in El Centro. John has just completed a two-year tour of duty in Bremerhaven, Germany. He has nine years of service in the Navy and is making it his career.

Miss Janie Fitch, daughter of Ruby Fitch, San Felipe Lodge housekeeper, is home for the summer. Janie attends school in Oakland, Calif., where she is studying to become a nurse.

Milo Morrison, 2481-1, is looking for cooler weather and is on his way to the state of Washington for his vacation with his wife and daughter, Jean. Milo recently purchased a complete fishing outfit so evidently he has ideas.

On May 26 Harry Mitchell, 2483-2, became the father of a 7½-pound boy. Mother and baby Michael Lee are doing fine. Congratulations, Harry.

What's My Line?



Edward Miller Is a Crane Operator
Ed Miller, 2123-7, has a bird's eye view of all that goes on in the shops below him as he moves back and forth in his crane cab lifting, hauling and placing heavy equipment. Before joining us in February, 1951, Ed spent 24 years in the service, retiring in 1947. He was in the cavalry for 13 years, the coast artillery for three years and the Air Corps for the rest of the time. During World War II he served in the Pacific as a line chief with the rank of master sergeant. Ed's wife, Vera, also works here in 2141-1. They have a son who has been in the Marine Corps for seven years, a married daughter and a year-old grandson.

"THE GREAT A-BOMB ROBBERY"

Russian "Zabotin" Bought Billion Dollar Secrets for A Mere \$700

By Bob Considine
International News Service
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Part Three

In this third article of his series telling the inside, detailed story of how Russia stole America's atomic bomb know-how, Bob Considine reports on the Canadian links in the tremendous conspiracy.

Canada was a full-fledged partner in the three-nation effort to produce from virtual nothingness an atomic bomb of such terrifying power that its use would finish the Axis and bring an abrupt halt to World War II.

Thus it merited the attention of the Soviet Union, and the U.S.S.R.'s A-Bomb stealing apparatus, just as much as did the atomic operations in England and America. The important aspect of the penetration of Canada's curtain of security was that it was there—first of all—that the whole intrigue began to unravel.

The Soviet spying apparatus in Canada was under the direction of the military attaché of the Russian Embassy in Ottawa, Col. Zabotin, who in turn took his instructions from Moscow in a code that was not even known by other elements within the Embassy, including the Ambassador.

Zabotin, whose interesting code name was "Grant," escaped to Russia in advance of 17 assistants in December, 1945, from a New York port. His work was done by that time, and done well. If there had never been a defection in his own staff Zabotin's sinister accomplishments might never have been known—nor the path to the master criminal, Dr. Klaus Fuchs, made clear.

Uranium Bought Cheaply

It is still not known how many Canadian scientists Zabotin and his operatives were able to reach or taint. But it is known that one of his men, Lieut. Angelov, obtained from Dr. Allan Nunn May small amounts of uranium 233 and 235 and a written report on what May—a highly regarded and well-trusted scientist—knew about the bomb project. Price of the sell-out: \$700 and two bottles of whiskey. As in America, the Reds stole their multi-billion dollar secrets at bargain rates.

Either May gave the nod to the Russians or they presumed he would continue to supply information to them after his return to London, at the conclusion of his work in Canada. On July 28, 1945, the Director of Military Intelligence in Moscow radioed this message to "Grant"—"Work out and telegraph arrangements for the meeting and the password of Alek (May) with our man in London."

On the 22nd of August of that year "Grant" replied:

"We have worked out the conditions of a meeting with Alek in London. Alek will work in King's College, Strand . . . meetings October 7, 17, 27 on the street in front of the British Museum. The time, 11 o'clock in the evening. Identification sign: — a newspaper under the left arm. Password: — 'best regards to Mikel.'"

Rendezvous Arranged

The Director had other ideas: "The arrangements worked out for the meeting are not satisfactory. I am informing you of new ones."

"1.—Place: In front of the British Museum in London, on Great Russell Street, at the opposite side of the street, about Museum Street, from the side of Tottenham Court Road, Alek walks from Tottenham Court Road, the contact man from the opposite side — Southampton Row.

"2.—Time: It would be more expedient to carry out the meeting at 20 o'clock . . . as 23 o'clock is too dark.

"3.—Identification signs: Alek will have under his left arm the

newspaper 'Times,' the contact man will have in his left hand the magazine, 'Picture Post'.

"4.—The password: The contact man: 'What is the shortest way to the Strand?' Alek, 'well, come along. I am going that way.' In the beginning of the business conversation Alek says: 'best regards from Mikel.'"

But unknown to Zabotin, the director, May and the others in the conspiracy, a link in the chain had broken. He was Igor Gouzenko, a cipher clerk in Zabotin's office who went under the code name of "Klark."

The young former red army Lieutenant, comparing his former and then current life with the freedom he found in Canada, decided sometime during the summer of 1945 to break with the Soviets. For weeks he carefully and almost microscopically turned down the edges of secret papers he planned to take with him when he fled. At 8 o'clock on the night of September 5, 1945, he made his bold move, taking with him the papers he had ear-marked.

Turns to Police

He attempted to sell his story that night, and the documents, to an Ottawa newspaper but met with a chilly reception. Bewildered he returned to his apartment and spent the night with his wife and child—but left with his family for a friend's apartment in the same building early the next morning.

Two of Zabotin's men were already outside the building. Later four men from the spy's office broke down Gouzenko's door and ransacked the place. Gouzenko called for and got Canadian police protection. Under guard he was taken to police headquarters where he gave up his documents and told his story. The Russian Embassy brought the strongest possible pressure to bear to have him placed in its custody as a thief.

But Canada kept him. And bit by bit, as the documents underwent decoding, the fantastic first chapter of the apprehension of Russia's A-Bomb spies began to unfold. Zabotin and 17 other members of the Russian Embassy quickly left for Moscow.

In sentencing Dr. May (who pleaded guilty) to ten years in prison at Wakefield, Yorkshire, England, Mr. Justice Oliver said:

"Allan Nunn May, I have listened with some slight surprise to some of the things which your learned counsel has said he is entitled to put before me: the picture of you as a man of honor who had only done what you believed to be right.

Fuchs Enters Case

"I do not take that view of you at all. How any man in your position could have the crass conceit, let alone the wickedness, to arrogate to himself the decision of a matter of this sort, when you yourself had given your written undertaking not to do it, and knew it was one of the country's most precious secrets, when you yourself had drawn and were drawing pay for years to keep your own bargain with your country—that you could have done this is a dreadful thing.

"I think that you acted not as an honorable but a dishonorable man. I think you acted with degradation. Whether money was the object of what you did, in fact you did get money for what you did, it is a very bad case indeed. The sentence upon you is one of ten years' penal servitude."

That was in February, 1946. Scotland Yard then began a painstaking examination of Dr. May's voluminous notebooks which he had filled during his years of work in the A-Bomb project.

One scrawled name, mentioned only once and by itself, was in one of the notebooks.

The word was "Fuchs." And from that scant clue spread one of the great manhunt of history. (Next issue: The strange case of Klaus Fuchs.)



BUCK AND MAN MOUNTAIN DEAN practice a few holds as part of their training in professional wrestling.

Grappling with Man Mountain Dean Was Buck Weaver's Idea of Fun

Back around 1930 professional football was just getting started in a big way and if you were a football fan and lived in Chicago that year you probably saw a big rangy guard playing with the Chicago Cardinals. That was C. A. "Buck" Weaver, head of the Plant Security Department Patrol Division, 2452.

Picked by Rockne

At that time Buck was fresh out of college. He'd played football four years in high school and three years at the University of Chicago. His performance with the University team was good enough to rate him honorable mention as a guard on the All-American team selected by three of the nation's top coaches, Rockne, Jones and Warner. He was the biggest man on the University's team, 6 feet, 4½ inches tall, weighing 236 pounds.

Buck only played professional for one year, half with the Chicago Cardinals, half with the Portsmouth Ohio Spartans, but it was a turbulent season. In those days the game was even more spectacular than it is today and while the teams had regular schedules they weren't averse to playing an extra game or two along the way to round out their train fare.

"You were never sure when you started on a tour, where you would end up or how long the tour would last."

Joins Grunt, Groaners

It was on one of these tours that a Boston wrestling promoter heard of Buck. The promoter got in touch with him through a friend of a friend and asked him if he wanted to switch from football to wrestling. Buck was the right size and weight for a wrestler and that was in 1931 when jobs were scarce. He found out that there was more money in wrestling in small arenas with big crowds than in playing football in big stadiums with small crowds so he started training.

For the next four years Buck traveled from arena to arena in the vicinity of Boston and New York. Top flight wrestlers then as now combined a dramatic flair for showmanship with a very real ability to absorb enormous punishment.

"We would wrestle three and four times a week for a percentage of the gate," Buck recalls, "and with that kind of exercise you stayed in condition or else!"

Man Mountain

In that day the biggest name in wrestling was Man Mountain Dean, a

bearded bruiser whose performance in the ring would make the most skeptical onlooker turn pale.

"He was an artist in his field," Buck says. "By any standards he was a huge man but when he got in the ring he just seemed to swell until he looked gargantuan."

Buck and the Man Mountain became fast friends and it was from the old veteran that Buck learned many of the tricks that made him a popular wrestler.

The life of a wrestler, while exciting, doesn't lead to a model family life, Buck found. Much of the time he was on the road traveling to matches between towns. He was married and had a young child so when the time came that he was spending two and three weeks away from home he started looking for another way of earning a living.

Fast Promotions

The chance came early in 1935 when Buck was wrestling in Knoxville, Tenn. He heard of an opening in the guard force of the Tennessee Valley Authority project nearby and he applied immediately. He was accepted and within a year Buck was made a guard captain.

By 1940 he was a guard chief in the TVA Public Safety Service and a year or so later he was promoted to area supervisor of guard forces on several TVA projects.

When the war came Buck left TVA and went into the Army where he was attached, naturally, to the Military Police. For the next four years he served in the Pacific and later in Europe where he worked with the Military Government organizations set up in conquered towns and cities.

In 1946 Buck went back to his old job with TVA for two years before coming to Sandia. Today Buck's got a job he likes in a place he likes, but occasionally he gets out the old scrapbook and leafs back to the days when the crowd's roar was like music and he never knew what the next day might bring.

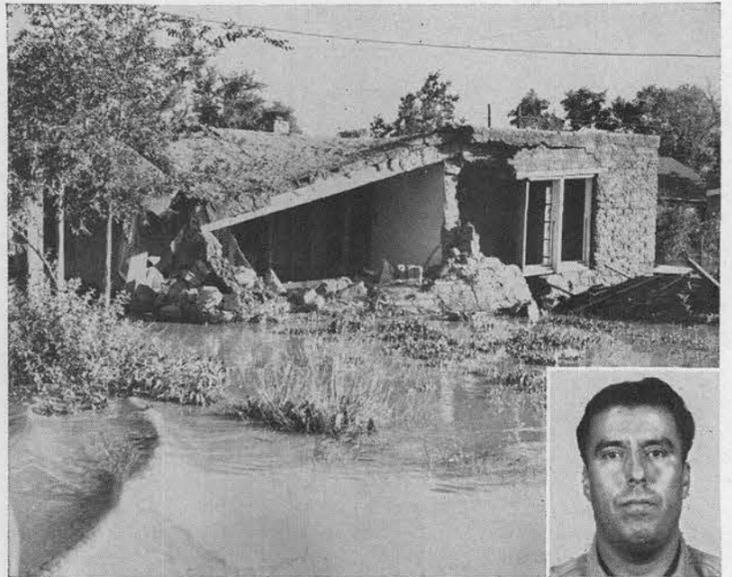
Home Is Wrecked By Flash Flood

Traditionally dry New Mexico can, on rare occasions, provide a rain-storm which will literally melt away houses. Recently just that happened to Manuel A. Torres, 2417, and his family. The rains came, filled his home with water and soon it collapsed. It's an exciting tale, and not too happy an ending for he had only purchased the house two months ago.

"The rain fell early in the evening," Manuel relates, "and by midnight the irrigation ditch was overflowing. I awoke about 1 o'clock and water was in the house. I carried my daughters and wife to high ground and then came back to the house to see what I could do."

There wasn't much he could do, the house had sagged, the doors were stuck so he had to break windows to get in. Friends showed up to help him, including some of his working companions at Sandia. Some furniture and clothing were carried out of the house, but the water was two feet deep on the floor by then and the walls weakening. Manuel and his friends got out before the house collapsed.

"If it hadn't been for my friends who helped that night and my Sandia



THIS WAS A HOME before two feet of water rushed against the adobe walls. Manuel Torres, 2417, carried his family to high ground and removed some of his belongings when the roof fell in. He hopes to rebuild his home soon. The inset is Manuel, owner of the home.

co-workers who helped out afterward I would be completely lost," he says. "I want to thank them for all their help."

At this writing Manuel hasn't been

able to move back into his house and he and his family are living with a brother. "I feel bad about losing my home," he says, "but it is wonderful to know how many friends I have."

Ranger to Show Wildlife Movies At Men's Night

Colored movies of a horseback trip into Thunder River Basin will be featured at Men's Night on Tuesday when Harlen G. Johnson, district forest ranger at Cibola National Forest, Sandia Ranger District, will present an illustrated talk.

In addition Ranger Johnson will present other colored movies, in conjunction with his talk, on the Kaibab and Sitgreaves national forests in Arizona. The films will show deer, elk, buffalo, beaver and turkeys in their natural habitat.

He will also show movies of a fishing trip he and three others made into old Mexico. They stayed there for a week and came out with 300 pounds of fish. The guide who stayed with them for the week was paid a sack of sugar and a sack of beans, Johnson relates.

As usual the Men's Night will start at 8 p.m. and last 'til 7. Beer, soft drinks, popcorn and pretzels will be provided all on the house.

Tool Engineers Plan Conference

Plans for a conference this fall of the Rocky Mountain chapters of the American Society of Tool Engineers were discussed recently at the final executive committee meeting of local Chapter 93 for the 1951-52 season.

The proposed conference of chapters from Albuquerque, Los Alamos, Denver and Salt Lake City would take place in Denver for the purpose of coordinating activities of the chapters in the fields of public relations, program planning and dissemination of engineering know-how.

The local chapter 93 is on a firm progressive basis, it was announced at the executive committee meeting by Chairman Jerrie Durrie, 1951. Membership is at an all-time high, according to Harold Baecker, 2536, membership chairman.

Booklet Selections This Week and Next

The booklet rack committee is enthusiastic about a little pamphlet to be issued next week entitled "The Affairs of ———." The blank is you, and the booklet will be your personal and private record of all the things you'd want your dependants to know about if "anything should happen."

In time of emergency it is essential that our families, and those who act for us, should be able to take immediate action regarding our financial affairs. This record, if properly completed, will disclose the location of family documents, who is familiar with your property, whether you have a will, a cemetery plot, insurance, etc.

MORE AROUND THE DEPARTMENTS

"Dub" Albertson got a pass from the Veterans Hospital so he could take a vacation with his wife, Ella Albertson, 1924-2. They went to Texas and report having a grand time.

Creede, Colo., is providing some good fishing, according to Paul Miller, 1924-2. Paul recently spent a week end near the mining town.

Dolly Willis, 1921-2, spent her vacation in Fayetteville, Tenn., brushing up on her southern drawl. She said the magnolia blooms were beautiful and she thoroughly enjoyed her trip.

Vacation plans for Bob Blount, 1921-2, and his father of Artesia call for "just fishing," destination uncertain.

Two more Sandians have joined the ranks of property owners. George Ladanye, 1922-2, and his wife, Mary, 4222, recently moved into their new home at 431 N. San Pablo.

Frances Odle, 1922-2, enjoyed a visit from her daughter and son-in-law, Lt. and Mrs. Richard Stockton. He was enroute to California for reassignment with the Marine Corps.

Mel Pliner, 2352, is in the Veterans Administration Hospital to undergo a minor operation. Best wishes for a quick recovery, Mel.

After returning from a trip to Phoenix, Ariz., Frances Lapp, 4222, reports that the weather is hotter there than here.

It's off to California for Frances Welch, 1924-2, during her vacation.

Her husband, Tom, and son, Larry, accompanied Velta Hampton, 1922-2, on a recent trip to Oklahoma City and Colorado Springs. Larry is spending the summer in Colorado Springs.

Fellow employees wish a speedy recovery for Connie Webber, 4133, who is now in the Presbyterian Hospital. Connie was injured in an automobile accident while returning home after a trip to Phoenix, Ariz.

Ella Lucero, 4135, suffered an eye injury recently while riding in a car. The driver put the brakes on suddenly and Ella was thrown against the dashboard.

Personnel in 4135 hope to see Lou Dowd recovered soon from her present illness. Lou is in the Sandia Base hospital.

A good time was had by all when the girls in 4135 had an Italian dinner at Casa Buon Appetito on June 11.

Organization 2100 has two golf champs. Anthony Reppetti and Roger Johnson won the two man best ball tournament at the University Golf course recently. Congratulations!

During his recent Toledo, Ohio, vacation C. M. Gueldenz, 2123-2a, took part in a very special event when he gave his daughter away in marriage.

Frank Anderson, 2123-2a, reports that he is back at work resting after his vacation. Frank spent the entire week painting at home.

The Fergusons, Waylon, 2352, and Mary Ann, 4222, spent a week vacation visiting relatives in Crossett, Ark.

Congratulations to Juan Tafoya, 2351, and his wife on the birth of their daughter. Little Janet arrived June 9.

Visiting and sightseeing in Akron, Ohio, and New York City are on the vacation agenda for Edith Perry, 2464.

Sympathy

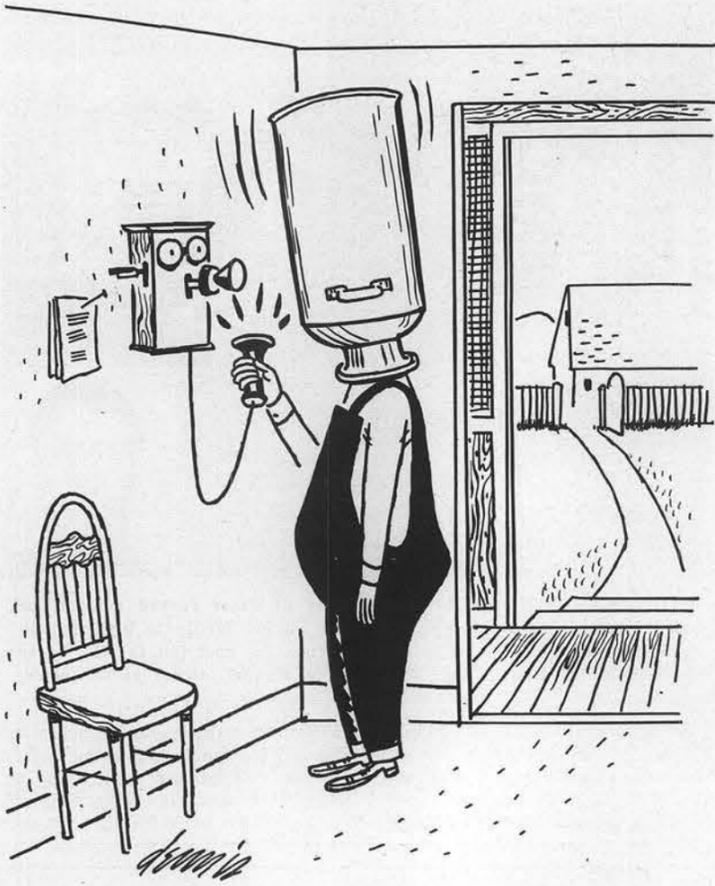
It is with sympathy that we hear of the death of Charles C. Bates' brother. Mr. Bates died in Korea. Charles is in 2124-4.

Sympathy is extended to Charles Butler, 3152, on the death of his father. Mr. Butler died June 7.

Free Swimming Lessons at Pool This Summer

Again this year free swimming lessons by official Red Cross instructors are being offered at the Coronado Club swimming pool. Lessons for youngsters, 15 years old and less, are given by Gene Peirce daily at 10 a.m. Instruction for swimmers, both beginners and advanced, are presented by Dan Aycock, 2544, after work hours in the evening on Monday and Friday. Beginning adults are scheduled from 5 to 5:30 and advanced swimmers from 5:30 to 6.

Members of the club and their families are urged to take advantage of these lessons and learn to swim or improve their ability in the water.



"SPEAK UP, JOHN—IT SOUNDS LIKE YOU HAVE YOUR HEAD IN A MILK CAN!"

Mixed League for Summer Bowlers Formed at Club

Robert Malley, 5242, has been named president of the recently organized Mixed Summer Bowling League, it was announced today. Working with him will be Rose Hainlen, 4135, vice president, and Erma Fauerbach, AEC, secretary. Plans call for bowling every Tuesday night at the Coronado Club alleys, starting Tuesday, June 24. Play will start at 6 p.m. According to present arrangements the league will bowl for 10 weeks and at the end of that time trophies will be awarded to the winners. So far teams have not been made up out of those who have signed into the league. In order to aid the arranging of teams President Malley has asked that all those who have signed up call him at extension 25245 and report their bowling averages.

Chess Fans Play Friday, June 27

A nominating committee will be appointed to select a slate of officers for the Albuquerque Chess Club when the Club meets Friday, June 27, at the Southern Union Gas Co. Hospitality Room, 7:30 p.m. At the meeting club ladder play—a system of handicapping used in a running club tournament—will continue according to rules laid down at a recent meeting.

Softball League Full of Excitement, Tight Games, Freak Plays And Homers

Bob Eisele was the big gun for the Browns in a recent game with Milton Jones' Pirates. Bob connected for a round tripper with the bases loaded, but his clout wasn't much help to the Browns. The Pirates dumped them 23-10.

The Browns avenged their defeat a few nights later when, behind the two hit, no walk pitching of J. Cosper, they defeated Max Gasta's Giants, 5-2. John Kelley was the Brown's big stick that game, connecting with two hits in three trips to the plate and knocking in two runs.

Yanks Score

Ward Hunnicutt's "southern" Yankees from 2440 scored 13 runs in the fourth inning of a game with 1951 but still lost 24-15. A brilliant back-handed catch in deep center field by John Kelley of the Browns robbed the losers of three runs in the last of the fifth inning. "Mac" McKinsey hit a home run for the Yanks.

The Yanks bit the dust again on June 3 when they were downed by the Athletics from 1230 by the score of 32-7. George Hildebrand and Jerry Cole helped the "A's" cause along by hitting two homers apiece. Bill Hereford, Athletics pitcher, scattered the Yankees' hits to hold them to seven runs.

Perhaps the play of the season occurred in a game between the 2122 Giants and the 2542 Senators. Paul Montoya of the Giants threw a Senator batter out at first after the ball had hit three persons including pitcher Cliff Taylor, the umpire, and shortstop Leo White. That play and Cliff Taylor's pitching helped the Giants squeeze past Jim Schlata's Senators 8-6.

What almost became the first no-hit game of the year took place on June 9. Dennis Chavez of the 2233 Tigers spoiled Bob Fleming of the Giants' no-hit game by singling to left field in the last half of the last inning. Fleming retired the next two batters and got credit for a shut-out, the Giants winning 15-0.

Softball League

Name	Team Standings*			%
	Won	Lost		
2545 Cubs	11	1		.917
2542 Senators	9	2		.818
2122 Giants	8	2		.800
1500 Pirates	6	4		.600
1200 Indians	6	4		.600
2233 Tigers	4	6		.400
1951 Browns	4	7		.364
1230 Athletics	2	6		.250
1300 Braves	1	10		.091
2440 Yankees	1	10		.091

*Standings as of Thursday, June 12, 1952.

Classified

FOR SALE—

Overhead garage door with hardware, \$30. Nell Dean, Alb. 3-2073.

AKC registered Collie pups. 14 champions in blood lines. \$50 and \$35. R. A. Knapp. May be seen at 2127 N. Dickson.

1942 Fleetline Chevrolet, newly rebuilt engine, good mechanical condition. Radio and heater, \$295. J. B. McIntyre, Alb. 4-5013.

Whizzer motor mounted in Schwinn bicycle, good tires, \$40. Harold Kutzley, ext. 25238 or Alb. 5-3572.

1950 DeSoto custom convertible, all accessories, in excellent shape. Will sacrifice this \$3500 car for \$1795. R. Scholtes, ext. 27163.

Prestige silver plate, Schamont pattern, 7 place settings, servers, carving set, tray and box. Cost \$120, never used, \$85. Monroe Willner, ext. 24254 or Alb. 3-6476.

Two bedroom house in heights, attached garage, lawn. My equity \$1750—balance of \$7,350 at \$54 per month. Includes taxes and insurance. G.I. loan at 4%. John Chandler, 620 S. Cagua Dr., Alb. 6-0482.

Engagement ring, 1 medium large diamond and six small ones. Will sell at large discount. Excellent condition. Tom Payne, Jr., ext. 33245.

4 metal venetian blinds with double rods, 42 x 54. Bob Kelly, ext. 27130 or Alb. 2-4831.

Wilton Rug, 9 x 12, grey background with floral design, 40 oz. pad. Also assorted throw rugs. A. M. Lambert, Alb. 5-9630.

Mountain home, nice, modern, 6-room, 10 minutes from base. \$10,500, terms. M. S. Pickard, ext. 31142.

Aluminum garage door, lightweight, 84x96, complete with all hardware. \$35 if delivered, \$30 if you come after it. John Ansley, ext. 26250 or Alb. 3-3626.

1948 Norge 9 cu. ft. refrigerator, first class condition, \$75. Tex Irvin, Alb. 4-5710 or ext. 26245.

1949 Whizzer motor bike, automatic clutch, sealed beam head light, \$100 or best offer over \$80. Jim Reed, ext. 4237.

1939 Studebaker, excellent running condition and clean. Glory M. Valdez. See at 310 S. Walter St.

'48 DeSoto, sparkling Bahama blue club coupe, matched seat covers, tip toe shift, fluid dr., radio, climater, good tires, never scratched. 26,000 one-owner miles, \$995. LeCompte, ext. 37227 or Alb. 5-4261.

Fishing wagon, '39 Ford, 4 speed, radio, heater, bunk, storage, butane stove, linoleum. Good condition, \$425. Frank Reeder, ext. 31255 or Alb. 6-1097. Will consider trade.

1942 Pontiac 6, 2-door, good shape mechanically, rough fenders. Good fishing car, \$200; 2-wheel luggage trailer, wood construction, 2 new 6.00-16 tires, ball type hitch, \$75. W. S. McElvaney, ext. 25255 or Alb. 6-1120. Will consider trade. See at 916 S. Arizona.

Three bedroom home, Inez addition, 1 1/2 baths, 1 block from new school, lawn, wall, extras, with stove, \$11,500. Doris Newby, 7707 Soloman Dr.

Maytag wringer type washing machine and 2 cast iron sanitary tubs. Complete with legs and all fittings, \$85. Bob Steelitz, ext. 26259 or Alb. 3-9508.

1950 conventional washer, good condition. Make offer, Fulmer, Alb. 6-3428.

Universal "Stroke Saver" electric iron, new, \$10; ironing board with pad and cover, apartment size, \$3; RCA table model radio, \$9; Silvertone table model radio, \$6.50. Ext. 25177 after 5 p.m.

Philco refrigerator, 9 cu. ft., new unused. Cash or monthly terms. K. G. Overbury, Alb. 6-3789.

'49 Ford convertible. Radio, heater, very good top. Good mileage, very good condition, \$1195. E. Greenhaw, ext. 26237 or Alb. 5-3420. May be seen at 1020 N. Girard.

'51 Ford convertible, overdrive, heater, low mileage, excellent condition, \$1995. Will finance. Freyermuth, ext. 6150 or Alb. 6-2140.

1949 Buick convertible, radio, heater, white wall tires. Excellent condition, \$1495; limed oak double bed, \$25. Includes springs, mattress, limed oak head and foot board. C. E. Harp, ext. 24115 or see at 700 S. Kentucky.

New Domestic sewing machine, enclosed in blond mahogany desk, all attachments, \$190. Alb. 3-7151.

House, 2 bedrooms, convenient location, 1041 S. Wilmore, \$10,000 with down payment \$1000; apartment size stove, 8 cu. ft. Kelvinator refrigerator. Both less than 2 years old. John Bond, Alb. 2-5140.

'41 Chevrolet or trade for what have you. Tom Flowers, Alb. 5-3992.

Outdoor motor, 3 1/2 H.P., perfect condition, \$65. Jerry Sons, Alb. 7-9073.

Palm tree in metal container, about 8 feet tall. Claude Baca Alb. 2-5955.

1951 house trailer, 35 ft. See at Rayvern Trailer Ranch, 424 S. Utah, Space No. 26. Vernon Pheils.

Refrigerator, 6 cu. ft. Servel in excellent condition, \$150 or best offer; small Cinderella portable washing machine, \$10; 1940 Encyclopedia Americana, 30 vol., \$30; western shirt and pants, size 38, green and brown wool gabardine, \$10. Elliot Harris, ext. 23137 or Alb. 5-6608.

WANTED—

Reliable person to drive 1950 Buick super to New England. Joe Moody, Alb. 5-0421.

Lady to share apartment. \$27.50 per month and one-half utilities. One block from bus. Nell Dean, ext. 28231.

Trade 27-ft. Tandem house trailer in fine condition with lots of extras, sleeps 4, on equity in a nice two bedroom house East. P. B. Burns, ext. 6156.

RIDE WANTED—

Central and Elm or Copper and Elm to Administration building. Bernie Cervantes, ext. 5152 or Alb. 2-5605.

East New York and N. Highland rd. for one person. Joseph Pitti, ext. 24239.

2032 N. San Mateo. Mildred High, ext. 27259.

4404 N. Second. Ride or join car pool. Will pay for ride. Tom Payne, Jr., ext. 33245.

408 S. Pennsylvania to Administration building. Mrs. Clawson, ext. 23221.

To northern Utah or southern Idaho sometime before July 4. Bob Black, ext. 4237.

To or near Winston-Salem, N.C. Will share expenses and help with driving, on or near June 25. Thos. E. Dadian, ext. 26245 or Alb. 5-6663.

1300 block W. Iron to Administration building. Laura Maciel, ext. 28147 or Alb. 3-2634.

707 Ridgecrest Dr. to south tech gate. Miss Colfita Aragon, Alb. 5-1807.

530 N. Aliso to south tech gate. Louise Aragon, Alb. 5-5254 or ext. 26145.

600 block on Coal or Central. Blanche Calaway, ext. 23127 or Alb. 3-4877.

Souped-Up Stock Car Races Provide Hobby For Many Sandians

The only automobile race track in America and maybe in the whole world that is owned and operated by the drivers themselves is located right outside of Sandia Base. It's a 3-year-old track called Speedway Park, run cooperatively by about 85 racing enthusiasts who form the New Mexico Racing Association, Inc.

Many of the drivers who belong to the Association work at Sandia and to see them as they go about their regular jobs you'd never think they spent Sunday afternoons and evenings in a high speed atmosphere of screaming tires and roaring engines.

Skid Runs Show

Chief among the racers from Sandia is Louis "Skid" Rowe, 2452, who has been president of the Association since last August. To Skid Speedway Park is more than an outlet for an absorbing hobby.

"I intend to settle down in this town and I, and all the other fellows, would like to see Speedway Park as a permanent feature in Albuquerque's entertainment field."

The Association was incorporated last month on a non-profit basis. None of the members draws any salary. Fifty per cent of the gate goes to make up prizes totalling something between \$800 and \$1000 for an afternoon or evening. Twenty-five per cent of the gate goes to maintenance of the stadium and the other 25% is used to pay off the initial cost of building Speedway Park.

Speed and Noise

To the average customer stock car races seem to be an exciting and dangerous confusion of noise and speed. Actually the danger is kept to a minimum by rigid safety rules, the confusion is orderly, and the speed seldom exceeds 50 miles per hour. But it is noisy and exciting.

The Association isn't affiliated with

any other racing organization so members have been free to make up their own rules. Let's take one of the regular Sunday night events and see how they're run.

Time trials start at about 7 p. m. These determine which cars that night are the fastest and the slowest. Timing is done with an electronic timer designed and built by Travis Allen, 5415; Jim Meikle, 2231; Joe Knight, AEC; and Bob Thompson, 1716.

Trophy Race

At about 8 p. m. races begin. First there's the trophy race with the six fastest cars competing in five laps of the quarter mile track for a permanent trophy and a percentage of the night's purse. The winner gets 1 1/2%, second place gets 1%, and third gets a half of 1%.

Next, three heats of 10 laps each are run with 12 cars in every heat. These are for the slow, medium, and fast cars. A percentage of the purse again goes to the first three over the finish line.

Finally there are three feature races. The "C" race is 15 laps; the "B" is 25; and the final big race of the day, the "A" feature, is 35 roaring laps. These races average 12 cars in each.

Check Rollover Bars

"Safety," Skid points out, "is the thing we worry about the most. There's a 3 man committee that checks every car before the races to make sure the driver has a safety belt, helmet, goggles, and that his car has rollover bars—steel bars that range from the floor up and across the ceiling to protect the driver if the car rolls over."

"Besides that we've got \$2000 insurance on every driver and both public liability and property damage insurance on the customers."

"The track is always kept in the best condition. It's a dirt track and we roll and water it continuously. I'd guess

that 25,000 to 30,000 gallons of water go onto that track every week."

Frown on Chopping

Skid's pet peeves safety-wise are chopping, floating and bumping. Chopping means a car deliberately cuts directly in front of another. It happens all the time, Skid says, but when a driver becomes guilty of repeated chopping, "he's liable to find himself spun off the track a few times until he wises up."

Floating means a car pulls over inside of another car and "floats" him off the track. It's decidedly illegal although not overly dangerous.

Bumping is the most common offense. It's usually unintentional, usually harmless, and it's one of the things that makes stock car racing concededly more spectacular than midget racing.

Plans Are Many

Judges are Curtis McMurry, Maury Orrell, L. T. McKenzie, all 2452; and Les Bowman, 2451. Herman Calvery, 2231, takes care of the public address system. Sandia has also contributed three drivers to Speedway Park. They are Skid, who drives number 50; Jerry Peirce, 2341, in number 48; and Ken Cahill, in number 5. These three have cars with Ford bodies and Mercury engines.

The Association members are full of plans for the coming season. Among other projects they plan to enlarge the seating capacity to 4000 which, according to Skid, will assure them of a season attendance approaching 60,000. Races were on Sunday afternoon from 1 to about 4:30 p. m. They switched about the first of June to Sunday nights from 7 to 10:30 p. m. The members are planning to race on Wednesday evenings, too, during the summer. Plans are also being made to televise the races and they all look forward to the paving of Eubank Drive, which will provide a surfaced road right to their doorstep.



WAITING FOR THE SIGNAL stock cars line up at Speedway Park on a recent Sunday afternoon ready to begin one of the slam bang races that keep the fans on

the edge of their seats for hours. A modern public address system broadcasts the course of the race while an efficient judging panel keeps track of the results.