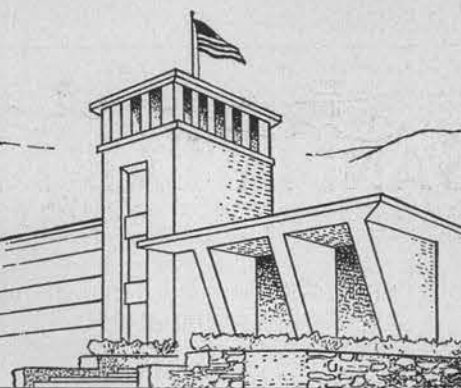


SANDIA LAB NEWS

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



Vol. VI, No. 13

ALBUQUERQUE, NEW MEXICO

JUNE 18, 1954

Charles B. O'Keefe Elected President of Coronado Club

C. B. "Charlie" O'Keefe, 1932, was elected president of the Coronado Club at the annual meeting of the Club membership Monday night. On July 1 he will succeed Al Gruer, who was re-elected to the Board of Directors but declined to run for president again.

Other officers elected were: William E. Caldes, 1513, vice-president; Al H. Spengeman, 4310, treasurer, and Eugene K. Baker, 1931, re-elected secretary.

In balloting for directors, preceding the election of officers, O'Keefe and Spengeman were elected for two-year terms. In addition to Gruer, Caldes and Baker, the directors elected for one-year terms are: Robert M. Chesnut, 1911; Charles J. Kaspar, 3153; Gene C. Newlin, 6010; Miss June Moore, 4222-1 (1900), and Mrs. Margaret Wetzel, 2461-2, re-elected.



William E. Caldes
—vice-president—



C. B. O'Keefe
—president—



E. K. Baker
—secretary—



A. H. Spengeman
—treasurer—

The usual reports were rendered by officers of the outgoing board during breaks in the balloting.

The outgoing treasurer, James Harmeyer, reported that for the 10-month period ending April 30, 1954, the Club came close to the desired break-even basis of operation in a non-profit club, by experiencing a cumulative profit of \$750. The membership equity as of April 30 was \$15,034.92, with cash on hand of \$315 plus a funded reserve of \$10,000, the use of which is restricted to replacement of original furnishings.

Ted Sherwin, outgoing vice-president, presided during the election of directors and officers and reported on changes in the house rules and by-laws during the year. He pointed out that the board, at its regular June meeting last week, voted to strengthen the dress requirements. Hereafter, gentlemen are "required",

rather than "asked", to wear a jacket or conventional shirt and tie in the evening and/or during special afternoon functions, May through September. During the winter months coats are prescribed.

It was explained that, as in the past, the point of checking on suitability of attire will be at the entrance to the ballroom. Management is authorized to refuse admission to scheduled functions to those not appropriately dressed. There was no change in the other dress rules which permit the wearing of sports clothes in the recreation areas and prohibit the wearing of swimming or sun-wear in the main portions of the Club.

In a written "annual report" initiated this year, Al Gruer reported on the philosophy and principles under which the board has operated and detailed some of the major accomplishments and trends. His report covered the changes in operating procedure whereby the Club assumed most of the daily janitorial maintenance, switched over to a conventional bar operation, and streamlined other operations.

Mention was made of the change in managerial policy whereby the Anderson-Dunham Company accepted the entire accounting and book-keeping system, rather than having a financial system divided between the Club and the managing company.

The final point was a discussion of the revised revenue plan which was designed to put most activities on a self-supporting basis rather than subsidizing some at the expense of others.

Not All College Professors Vacation In Summer — 13 Working at Sandia Lab

Summer employees of Sandia Corporation are again arriving from colleges and universities throughout the country. The consultants this year include several who've held similar posts here in the past as well as many newcomers.

John N. Cooper, assistant professor of physics at Ohio State University and in charge of the Van de Graaff program, will join 5130 along with Carleton E. Buehl, associate professor of mathematics at the University of New Mexico.

Texas Professor

Assigned to 5140 will be Millard V. Barton, professor of aeronautical engineering at the University of Texas; C. W. McLarnan, assistant professor of aerodynamics at Capitol University, Columbus, Ohio; A. L. Ducoffe, assistant professor of aerodynamics at Georgia Institute of Technology.

Also joining 5140 will be C. J. McDole, assistant professor of electronics and physics section of Rensselaer Polytechnic Institute; R. V. Smith, assistant professor of the mechanical engineering department at New Mexico A&M; and E. J. Rightley, assistant professor of engineering instruction at UNM.

From Lehigh University

R. J. Emrich will arrive from Lehigh University where he is associate

professor of physics to join 5110. Henri Sack, professor of engineering physics at Cornell University, will be in 5120.

From the University of Houston in Texas comes Theo Hatfield, special professor and chairman, department of physics, to join 5220.

Assigned to 5311 is Professor Arthur M. Hill, head of the mechanical engineering department at Tulane.

Joining 5412 last week was Bob Hessemer, assistant professor of electrical engineering from the University of New Mexico.

E. F. Cox Writes For Encyclopedia

Everett F. Cox, 5110, is the author of "Sound Propagation in Air," a contribution to the revised "Handbuch der Physik" which will be published soon by Springer-Verlag of West Germany.

The technical work of 54 volumes, an encyclopedia of physics, is authored by distinguished scientists from all over the world. Mr. Cox' article is scheduled to appear in Volume 48 under the general group of Geophysics. Mr. Cox, who received his PhD from California Institute of Technology, is the only American author in this particular volume on general geophysical hydrodynamics.

Gruine Robinson Heads Albuquerque Press Women's Club

New president of the Albuquerque Press Women's Club is Gruine Robinson, 2464-1 (1520 and 1510).

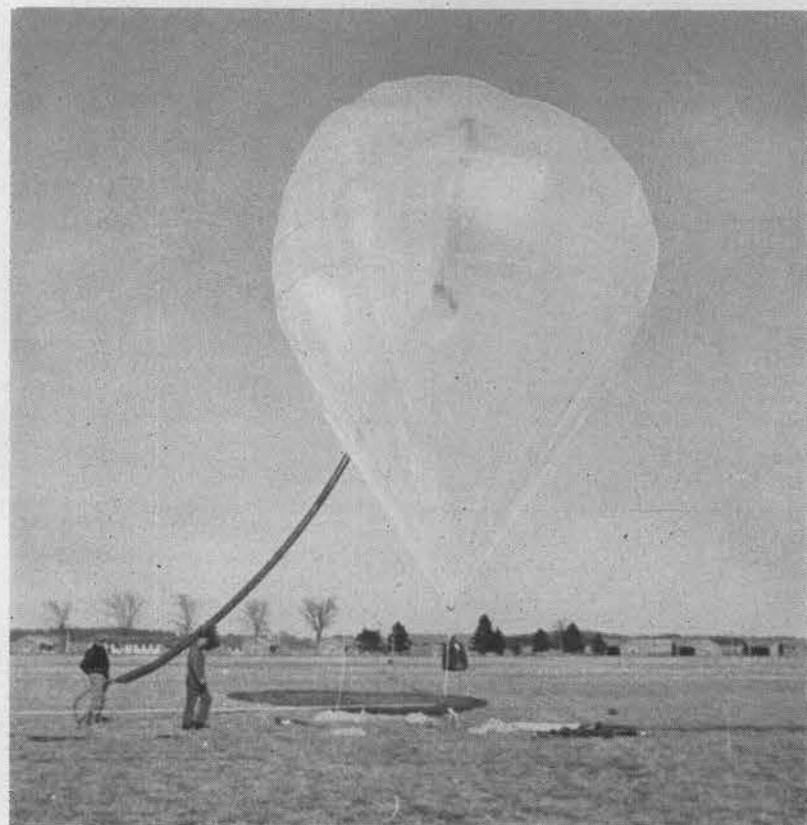
Gruine, a technical editorial assistant for Sandia Laboratory, joined the Corporation in Jan., 1952, following work in Albuquerque for the Associated Press and the Chamber of Commerce.

A graduate of West Virginia University, Morgantown, W. Va., she formerly was employed in New York City by McGraw-Hill Publishing Co., in the publicity department, and worked for two years for the Associated Press in West Virginia after receiving her B.S. degree in journalism.

Life at Sandia Told in Magazine

The May-June issue of WE Magazine contains a feature article about Sandia and its employees.

The 3-page article, entitled "Letter from Sandia" includes photographs of employees and some scenic views. One of the color shots on the cover is Photographer Bill Laskar's wife in a Fiesta dress.



BALLOONS such as the one shown here will carry Sandia Laboratory Field Testing instruments aloft this summer for experimental purposes.

Sandia Engineers to Use Captive Balloons in Controlled Flight Tests

The first in a series of controlled balloon flights will take place next week at the abandoned Del Norte Airport north of Albuquerque, officials of the Sandia Corporation have announced.

Working under the supervision of James Scott and A. Dean Thornbrough, project engineer, both of 5225, two balloon handling crews of six men each will operate the mooring winches and drag lines at the site.

The balloons are made of polyethylene plastic, of transparent appearance. They will be inflated with non-inflammable helium gas, flown at an altitude of 700 feet or less, with varying weight loads up to 600 pounds each. The bags—when inflated—will be approximately 65 feet high and 50 feet in diameter at the equator.

Training Use

Flights of the balloons will serve to train crew members and supervisors in balloon handling techniques under varying wind conditions. The balloons are to be used to position electronic test equipment in connection with various experimental activities carried on by Sandia Laboratory.

The balloon will be flown continuously for periods of from two hours to two days, Scott said, and will be manned by stand-by handler crews, some of whom have been trained at the Minneapolis, Minn., factories of General Mills, Inc., manufacturers of the balloons.

Activities of the balloon crews at the old airport will be conducted on leased government land now closed to the public, Scott said.

CAA Approved Lights

Among the Sandia Corporation employees who will inflate the balloons and handle their ground operations are: Leroy W. Paulson and Donadieu "Frenchy" Sonnier, both of 1932; Laurence J. Witt, 5231; and W. E. Bill and Henry G. Laurson, both of 5225.

The balloons will be equipped with C.A.A.-approved air warning lights for night-time operation.

Balloon flights will continue at irregular periods throughout the summer until six tests have been successfully completed, Scott said.

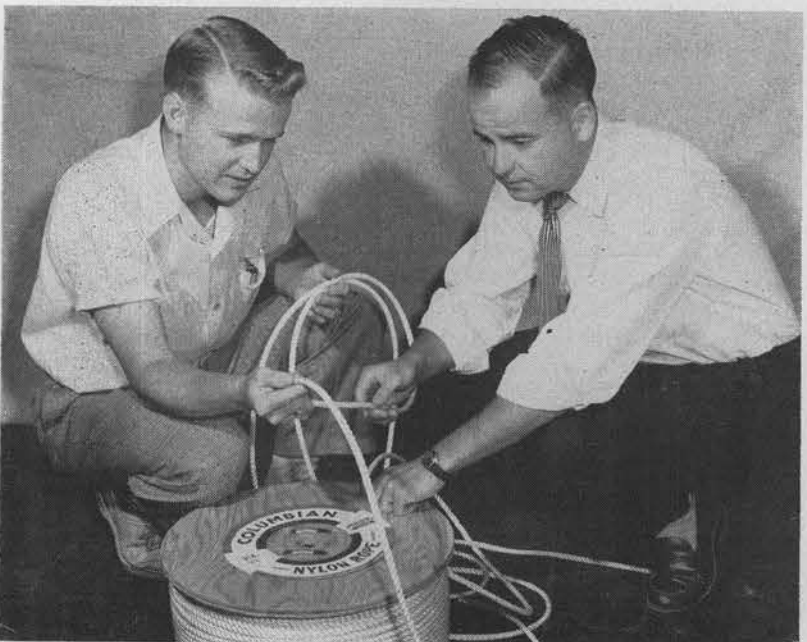


Photo by Laskar

BALLOON TALK—Dean Thornbrough, left, and James Scott, both 5225, will supervise the aerial tests to be conducted by Sandia Laboratory this summer.

SANDIA LAB NEWS

Friday, June 18, 1954

Published every other Friday for the employees of Sandia Corporation, contractor to the Atomic Energy Commission.

Editor, Robert S. Gillespie
Assistant Editors, Maxine Ethridge, William H. Puder

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Telephones: Sandia Base Extension 25253 or 26135



The Litterbugs Are Loose

A New Mexico Fish and Game department official held up a picture of a park bench used by a camper for fire wood. Another picture in his possession was of an up-rooted highway sign—the post had been burned away in a campfire. He appealed to newsmen to help preserve the public domain.

He showed pictures of the forest of beer cans littering the edges of forest highways. He told of general and widespread vandalism which is costing the state thousands of dollars per year.

"Don't be a litterbug," was his plea; "be a good camper."

The next day he was fighting a forest fire, a bad fire, which had been caused by carelessness.

The public servants in charge of preserving our outdoor natural beauty can't figure it out. Good family men and women leave a home they love and cherish and go out and uproot a costly fire grate. People of good manners and good judgment get out into the wilderness and wreak havoc that would put a grizzly bear to shame.

We have already commented on what happens to them when they get behind the wheel of their car. No one can explain it. If they live long enough to get to the camp grounds many of them become first-class "litterbugs."

It's just like tearing a leg off the piano to burn in the fireplace and dumping the table scraps in the southwest corner of the living room. The return-to-nature, which could be a grand and glorious adventure, turns into a slovenly display of poor sportsmanship and thoughtlessness.

If you think this indictment of the camper is severe, visit a popular camping ground after a busy weekend. There you will see the ravages of the litterbug and his ilk. Relax, in the litter of melon rinds and paper plates, and contemplate the fate of the nation's recreation areas, if every watershed were polluted in such a manner and allowed to remain in that condition.

The best things in life may be free, but you and I are paying taxes to amuse the fiendish "litterbug" who should be caught and restrained but whose heartless destruction of public property goes on year after year.

We're not asking too much. Here is an "easy-out": you can buy a waterproof bag for a few cents and in it bring all your picnic trash back home for disposal. If there was room to take the beer cans away from home there is room in the car to bring them back.

The satisfaction of leaving a clean camp will more than repay you for your money and effort expended.

Someone has said that the extent of man's culture may be determined by his habits of sanitation. We hope this doesn't hold true with our picnickers and campers.



Skunk Saga

Mildred Ness and her husband found last week that it pays to advertise—even skunks. A friend presented them four baby skunks. While they worried about how to get rid of them the friend contacted a newspaper and took care of the publicity problem. More than 50 telephone calls came from enthusiastic would-be "adopters."

More Cat Popularity

The teen-age daughter of a Sandia family had some excess kittens. They were taken to a television swap session. Result: one kitten given away at the studio, another disposed of when a motorist flagged down their car as they left the station, three more cats disposed of to folks waiting on the doorstep at home. Follow-up—about 40 telephone calls.

It Still Pays To—

And speaking of advertising, the Shopping Center of this issue of the SANDIA LAB NEWS carries a "wanted" ad soliciting a live 4-foot bull or gopher snake. Fred Darugh has a plausible reason for the search. He wants to turn it into a charmed dancer. Fred is a magician and the snake will be part of a new act.

Tom O. Meyer, 2551, and Mary Fiodor, formerly of Rochester, N. Y., were married at Albuquerque's St. Charles Church, May 22. After honeymooning at Yellowstone National Park they will be at home at 3919 Grand Ave. NE.

Following their recent marriage, the Don Haskins are at home at 233 Natalie Dr. Mrs. Haskins is the former Ernestine Armijo, 2553.

Proud of their prize-winning pooches are 1513's Frank Patterson and Clarence Leemhuis whose fine dogs brought in trophies from recent dog shows. Frank was a happy man when his cocker, "Little Miss of the Mesa," won top honors in the Rio Grande Kennel Club show. Little Miss took first and reserve ribbon.

Clarence, who operates the Artan-gra Kennels in Albuquerque, came home with some winners from shows in Denver, Colorado Springs, Santa Fe, as well as Albuquerque. His champion, "Make It Snappy," won best-of-breed in all of the above shows and "Dream Girl" was best-in-match at the local show. Both of Clarence's dogs are Miniature Schnauzers.

Driving a new Oldsmobile Holiday are Alice White, AEC, and her husband, D. J. White, 1521.

The Grand Canyon was vacation headquarters last week for Ken Craig, AEC, who accompanied out-of-town relatives on the trip.

The R. E. George, 2410, family spent their vacation at Sunspot, N. M., in the Sacramento Mountains and at home where they attended the graduation of their son, Donald, from St. Mary's.

F. C. Scott, 2412, and Mrs. Scott enjoyed a trip to Claremont, Calif., and a week at Pine River Lodge in Colorado. William C. Elskes, 2411, and his family visited two weeks in Sugarland, Texas.

Named secretary for the Albuquerque Women's Bowling Association is Gerry Hahn, 2410, who will hold the office for the next two years.

Sally and Harold Richardson, 5111, have returned from a vacation in Hawaii where they stayed at the Edgewater Hotel and visited many scenic places of the Islands.

Nona Shively, AEC, was expected home this week from a two weeks' vacation in Missouri and Michigan.

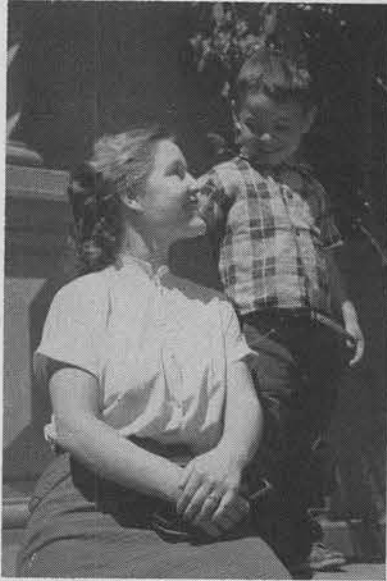
Proud grandmothers at the Laboratory are Ruth Redmond, 4222 (1521), who welcomed her fourth grandchild, William Michael White, on May 15, and AEC's Peggy Henrie whose daughter, Mrs. R. D. Barnes, presented a grandson on May 29.

Iowa was the vacation headquarters for the A. L. Anderson, 5421, family last month; the Gordon Bachands, 5421, are taking an extended tour to Chicago, Key West, Fla., and Cuba, visiting national parks and monuments en route.



NANETTE DEAKIN, age 20 months, spent a two-week vacation in New York City with her mother last month. Nanette is the daughter of the Jim Deakins, 1941-1.

around the departments



CELINA TAFOYA, AEC, and her son, David, were snapped by the family lensman, Dave Tafoya, 2462.

Gwen Roberts, 5423, and her husband are spending their vacation fishing in various streams around the state, and ditto for Angler Frank Sandoval, 5423, and his wife. Ed Holland, 5423, visited the Gila Wilderness and Carlsbad Caverns in the Land of Enchantment recently.

Angela Fernandez, 1265, is enjoying a vacation at her home in Las Vegas, N. M., with visits to Taos and Colorado. Frieda Salazar, 1260, has a snappy new Oldsmobile 88 in two-tone rust and cream. Honoring Birchie Rumbaugh, 1200, at dinner on her recent birthday were Frieda, Louise Cernich, 5411, and Birchie's sister who is visiting from California.

News from 2221-3: Dorothy Gaylord vacationed at Pueblo, Colo.; Fred Meacham visited in Los Angeles.

Entertaining his mother and sister from Oklahoma last week was Harold Wauchope, who took a brief vacation from 2464-2. Anna Martinez, 2464-2, attended her daughter's graduation from high school at Taos. Edith Miller, 2464-2, and her husband, Max Miller, 2452, saw "Rigoletto" performed by the Metropolitan Opera troupe at Oklahoma City recently.

Martha Williams, 2464-2, is wished a speedy recuperation from recent surgery.

Lila Heimer, 1271, was called to Grand Forks, N. D., over the Memorial Day weekend because of the death of her aunt.

Jack LaBrier, 2235, enjoyed a vacation in southern New Mexico recently.

Busy showing her mother and a guest from Venezuela the highlights of Albuquerque this month is Patsy Smith, 4222 (1521). And expected back to 1521 this weekend is Robert Roscoe, who spent a two weeks' vacation with his wife and sons in Denver.

Mary Mulford, 4222 (1520), now enjoying a vacation in Lansing, Mich., was honored at a surprise birthday luncheon last Friday at the Sandia Base Officers' Club. Attending were Mary's co-workers in 1520.

His fellow workers in 1643 wish a speedy recovery for Joe Duben's young daughter, Ellen Marie, who was hospitalized last week for an emergency appendectomy.

Gerean Walker, 1644, is vacationing in Wisconsin this month.

Back from illness leaves are Linda Duran, 2410, and Joe Tilley, 2411.

News from 2530: Doris Miller, accompanied by her husband, Paul, 2534, went camping over the long weekend near Taos with Bev Ladig, 2534, and her husband.

R. R. Beach, 2553, vacationed recently in Florida and South Carolina; G. W. Davis, 2552, and R. A. Sullenberger, 2553, spent two weeks sightseeing and prospecting in Utah's Monument Valley. They report it turned out to be a rough trip for they had to replace three tires on their jeep.

Naomi Morris, Wayne Welchback, and Bob Burroughs are vacationing from 2561-2, catching up on the "home chores" that have been waiting for them; Glen McFall, 2561-3, attended a family reunion during his recent vacation in Oklahoma.

Mary O. Sumpter, 2362, and her husband, Logan, 2121, attended the Golden Wedding anniversary of her parents during their recent holiday in Indiana. Another Sandian who had a get-together with relatives during his vacation was A. E. Willett, 2322, who went to Detroit, Mich. He drove back to Albuquerque in a new Chevrolet station wagon.

Barbara Brock, 2362-2, spent a week's vacation fishing at Pine River Dam in Colorado; Oleta M. Morris, 2362, enjoyed a vacation visiting her family in Texas and Oklahoma and fishing at New Mexico's Bluewater Lake.

Anglers Truman Gillett and Tom Shoemaker, 2533, spent a week fishing in Colorado and visiting Tom's hometown of Montrose.

Esther V. Donaldson, 5241, is spending her vacation in Albuquerque entertaining friends from Louisiana; Dorothy Vancil and Willette Lang have been comparing notes on their recent vacations from 5241—Dorothy attended the Memorial Day Race at Indianapolis and visited in St. Louis while Willette toured California.

Vacationers from 1700 include Johnnie Johnson, 1732, at home in Belen; Mary Sherman, 1720, flying to Lake Geneva, Wis.; Ivan Moore, 1710, and family dividing their time between Iowa and Minnesota; Meryl Beauchamp, 1722, visiting "back home" at Cedar Rapids, Iowa.

Spending a vacation at his cabin in the Sandias is Ken Hankins, 1641, and vacationing at home from 1641 is Phil Park.

His co-workers at the Laboratory wish a fast recovery for Fred A. Thurow, Jr., 1641, who is hospitalized at Veterans Hospital.



GILBERT E. TORRES, JR., who celebrated his first birthday June 5, sits astride his fancy Shetland pony. His daddy works in 2461.



IN THE FAMILY Fashion swirl for the next style revue at the Coronado Club are these models, L to R: Bob Bailey, 2222-3; Kit Crooks, AFSWP; and Janet Latsha of Albuquerque. Fashions featured at the June 21 buffet and style show will be patio wear from Latsha, 4709 Gibson Blvd. SE.

Sandia Draftsmen In Service Expect Discharges Soon

Bob Eisele, a Sandia Corporation draftsman before he entered military service in 1952, was a Laboratory visitor last week and reported on three fellow draftsmen who entered the Army at the same time.

Bob, John F. Campbell, and Thomas F. Corrigan, three of the four who volunteered for service in September, 1952, were assigned to topographical survey units and have served in Western United States and Alaska.

Marvin D. Ozmun, the other member of the quartet, has been seeing duty in Italy, also as a member of a topographical company of the U. S. Army.

All four were draftsmen trainees in the same class in the Laboratory. They report that they expect to receive their releases from the service in September and will soon thereafter be back at Sandia.

Lady of Renown Lends Name to CDA Rescue Unit

The folks at the Salton Sea Test Base branch of Sandia Laboratory had their first chance to meet "Calamity Jane" recently.

The 1954 namesake for the famous frontier woman is a rescue service truck which forms a vital link in Civil Defense work in the area.

James A. Culver, of the Salton Sea Fire and Safety Section, brought the truck to the Base through the cooperation of William Dickey, Civil Defense coordinator for Imperial County, California. It remained on display for a week while Salton Sea employees studied the first aid features and tests were made of the radio equipment in the truck.

Overnight Hike

The New Mexico Mountain Club plans an overnight trek to Lake Catherine this weekend, Hank Tindall, 1211, trip leader, announced.

Plans are to leave early tomorrow and start the hike from the Santa Fe Ski Basin. Hank may be reached at ext. 23195 after 5 p.m. for further information.



WHAT SUMMER style show would be complete without attractive bathing suits and their most attractive models? Here Evelyn Heefner, 1641, poses in a suit from Sears, one of the firms included in the Coronado Club's buffet and style night, June 20.



MEET "CALAMITY JANE"—The Civil Defense rescue truck bearing that name visited Salton Sea Test Base in California and was inspected by Base personnel. L to R: Joe Omlin, 2482-2; Haskill Jacobs, 5214-3; James A. Culver, 2482-2; Joseph Dirnberger, 5214-3; Harvey Harter, 5214-2; and John Clevinger, 2483-2.

Dances, Buffet Dinner, Style Show Highlight Entertainment at Club

Doc Savage and his band will provide the music at the Coronado Club tomorrow night when Club members enjoy an informal dance from 9 p.m. to 1. Admission will be 50 cents per person.

A special Father's Day buffet and style show has been scheduled for Sunday night, June 20. The MBC Trio will play during buffet serving hours from 5 to 7.

The Duke City Cowboys will play for a square dance June 25, from 8:30 to 11:30 p.m. An admission charge of 50 cents will be made.

The newly-reorganized Skyliners Dance Band officiates at the semi-formal dance on June 26 from 9 p.m. to 1 a.m. Members and guests will pay the usual 50c and \$1, respectively.

Special Tuesday evening dinners on June 22 will feature chicken fried steak, with breaded pork chops on June 29. Dinner prices are \$1.25.

Chess Night has been scheduled for June 21 and 28, with Bingo on June 23, and Duplicate Bridge sessions from 7:30 to 10:45 June 24.

Sandia Scientists Presenting Papers To Physics Group

Four Sandians from 5110 are slated to present scientific papers at the meeting July 7-12 of the American Physical Society at the University of Washington, Seattle, Wash.

Ralph Schellenbaum and Jay Todd are co-authors of two papers, "Path of Triple Point for Spherical Shocks above a Rigid Plane" and "The Shape of a Shock Wave Derived from a Spherical Shock Wave Incident on a Concave Wedge."

Melvin L. Merritt and John R. Banister are to deliver explanations on "Two-Fluid Flow With Application to Dust-Laden Air." Banister, in cooperation with C. D. Broyles, 5111, has written "Response of Pressure Gauges to Dust-Laden Shock Waves" for presentation at the meeting.

E. J. Domeier Goes To New Job With Western in NYC

E. J. Domeier, who has been manager of the Labor Relations Department, 2620, for Sandia Corporation, reported last week to the Western Electric Company Radio Division, New York, where he has been assigned.

James C. "Jack" Hart has been appointed manager of the department succeeding Mr. Domeier.

Mr. Domeier came to Sandia in April, 1950, from the Western Electric Hawthorne Works in Chicago and has been manager of the Labor Relations Department here since that time.

During his tour of duty at Sandia the Labor Relations Department negotiated initial agreements with three bargaining units and later negotiated four replacing agreements and five supplementary agreements.

Welcome! Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between May 27th and June 9th:

- Wilson Brown1241
- Laurence D. Olson1321
- Neilan B. Botsford1322
- Henry A. Mullin, Jr.1322
- Richard O. Slaten1332
- Richard G. Jones1342
- John L. Oskins1542
- Samuel M. Cummins1544
- Floyd W. Wilcox1550
- Evelyn J. Penn1641
- Eric R. Steinig1643
- Murphy J. Francois2122
- Lillian M. Glover2122
- Dale R. Hanely2122
- Frederick W. Peters2122
- John J. Sturek2122
- Mary Jo Gutierrez2152
- Virginia V. Moots2222
- Jay N. Ward2231
- Janet D. Sollitt2362
- Isabel L. Baca2419
- Elfege G. Sanchez2419
- John G. Wimpling2545
- Dorothy I. Cheshire3151
- Frances L. Ritzinger3151

Vacation Money Made Safe at Cashier's Office

Thoughts of vacations and money are with Sandians again at this time of year. To make the vacation money safe, Sandia Corporation's financial organization is again providing employees a special Travelers Cheque service.

Arrangements have been made with the Railway Express Co. so that Sandia Corporation employees may purchase American Express Travelers Cheques at the cashier's office in Bldg. 818 at a special low rate.

To employees of the Corporation the cost is one-fourth of one per cent of the face value of the Cheques—that is 25 cents for \$100. They are available in denominations of \$10, \$20, and \$50 for personal use.

Employees who are planning to leave on their travels immediately after work may cash their pay checks or vacation advance checks at the Financial Division and receive Travelers Cheques for them.

Personal checks may also be used on the purchase provided the following approvals are obtained: Up to \$100, division supervisor; to \$200, department manager; to \$500, superintendent; to \$1,000, general organization head.

It is necessary that employees desiring to obtain Travelers Cheques advise the teller or cashier at least one hour in advance of the time they wish to pick up the Cheques. By giving information of total amount and denomination wanted the pads may be made up and the application forms completed, ready for picking up without waiting.

IRE Men Named Officers for Year

Announcement of officers elected to head the Institute of Radio Engineers for the coming year was made this week. Chosen as chairman of the Albuquerque-Los Alamos section was Tom Marker, 5420. Ken Urquhart, 5331-2, was elected vice-chairman, Tom Banks, 5423-1, secretary, and Glenn Fowler, 5200, treasurer.

In the election of officers for the professional group on Circuit Theory, with the IRE, Alex Fursa, 5415-1, was elected president, Norman Elliott, 5414-1, vice-president, and Vernon Peckham, 5415-2, secretary.

Elected chairman of the professional group on Information Theory was C. H. Bidwell, 5411, vice-chairman; John McLay, 5415, who will also serve as program chairman, and Ralph McGehee, 5413, secretary.

Frank Janza, 5412, was chosen to head the professional group on Antennas and Propagation. Vice-chairman for the group is N. J. Gamara, 5412, and John McLay, secretary.

The IRE Audio Group will present a tape-recorded lecture and demonstration at the lecture hall of the Radiation Therapy building of the Lovelace Clinic, June 21, at 8 p.m. Topic of the discussion will be "How Much Distortion Can You Hear?"

The lecture tapes are the most recent recordings of the National Audio professional group, and all IRE members and guests are invited.

AIEE Members to Entertain Wives

Ladies' Night for members and guests of the American Institute of Electrical Engineers will be held at 8 p.m. tonight, at the Hospitality Room of the Southern Union Gas Company, 723 Silver SW.

Special speaker for the occasion will be Joseph H. Toulouse, AEC, who will give an illustrated talk on "Ancient Pueblo Indians of the Southwest."

- Della M. Jelski4222
- Violet M. Shine4222
- Frances R. Stevens4222
- Richard L. Shaum5221
- Eugene F. Schroeder5300
- Albert R. Argevine5400
- Walter E. Brown, Jr.5411
- Julia Terlesky2645

around the departments

William Dupree, 2223, will leave Los Angeles by Pan American Clipper June 20 for a vacation in Honolulu, Hawaii; Frank Leyba, 2223, will vacation next week in Santa Fe where he'll work on the house he owns there; Dorothy Washburn, 2223, has returned from a week's holiday in Las Vegas, Nev.

Vacationers from 1280 include John Tenbrink, to Kansas; Clem Sproul and his wife, Claudine, 2471-2, to Columbus, Ohio; B. S. Fisher to Colorado; Dan Lotz, at home; Bob Thomas, to California; and Millie Caywood, to Vaughn, N. M.

Margaret Deaver, 1283, has been dubbed "Wrangler Ginny" by her co-workers since she appeared recently with a square dance group on "Wrangler Jim's" TV show.

James Jiral, 5421, and Shirley Jiral, 2223, have returned from an exciting two weeks' vacation sightseeing at Yellowstone, Bryce Canyon, Zion, Las Vegas, Hoover Dam, and the Grand Canyon.

Camping in Texas, Arkansas, and a visit to Marietta, Ohio, are on the vacation agenda this month for Josephine Hanna, 2331, and Harold Hanna, 2613.

His friends at the Laboratory send their get-well wishes to Al Vinsant, 2232, who submitted to surgery recently.

The cigars and candy made the rounds of 3120 early this month when Eugene Peirce celebrated the birth of his first grandson, Robert Eugene Peirce, June 3.

Walter Hunter, 1652, spent a week's vacation with his parents in Oklahoma; Bud Darling and Earl Massengill, 1651, both are enjoying vacations this month.

Back from recent vacations are John Timmons, 3152, at home; Dorothy Walker, 3154, to Oklahoma; Margie Bolton, to Graham, Texas.

Vacationers from 5130: Mildred Brumley, accompanied by her husband, Baron, 5223, to Colorado; Wayne Davis and his wife to Kansas and Minnesota; Dick Hildner, at home.

Her co-workers in 1261 wish a fast recovery for Helen Tolmie who submitted to surgery recently.

Sandians from 1521 on vacation include Joe Teresi, 1521-2, to Pittsburgh with his wife and children; Bill Hubbs, 1521, two weeks at home; Ray Poetzl, 1521, enjoying a tour of the Grand Canyon, and Bryce and Zion National Parks in Utah.

Emily Whittingham, 3171, spent her vacation of two weeks at home.

Donna Strand, 1522-3, visited her brother at Fort Bliss over a recent weekend.

Marie Therkildson, 3151, moved recently into a new Bellamah home at 9108 Matthews NE.

Her friends at the Laboratory are happy to know that Martha Cole's son, Mike, is reported recovering from a case of polio. Martha works in 3152.

Don Rauch, 1512, is vacationing at home with his father, who is visiting from Pennsylvania; Tom Ogen, 1512, is on a holiday in Milwaukee, Wis.; and Harry Psillas, 1513, has returned from a week's pleasure trip to Oklahoma City.

Attending the recent national convention of the American Society for Quality Control in St. Louis were L. J. Paddison, 1500; A. F. Cone, 1510, and W. B. Fears, 1512.

PROMOTIONS

JAY W. GREAR, JR., to supervisor of Section 5312-3. Jay came here three years ago after receiving



his M. S. degree in electrical engineering from California Institute of Technology. He had earned his B. S. degree in electrical engineering from Purdue University, Ind., in 1950, and was employed as a graduate assistant at California Institute of Technology while working on his master's degree. During his two years in the U. S. Navy, Jay was assigned to work in radar. Elected to Eta Kappa Nu while in school, he is a member of the American Institute of Electrical Engineers.

ALLAN P. GRUER to department manager, 5210. In January, 1949, Al came to the Laboratory from San Antonio, Texas, where he had been general manager and director of training for Garner Instrument Co. for several years. Prior to that he was superintendent of Aircraft Shops for the Equipment Repair Section at the Oklahoma City Air Service Command, and a supervisor of aircraft instrumentation at Kelly Field, Texas. Al was employed by McColl Frontenac Oil Company in Montreal, Quebec, Canada, prior to 1940. He was awarded the Meritorious Civilian Service Award by the War Department for technical and production achievement during the war.



ARNOLD E. BENTZ to supervisor of Division 5213. Before coming to Sandia in April, 1949, Arnold was employed at the Naval Ordnance Plant in White Oaks, Md., in their crystallography laboratory. A veteran of 3½ years in the U. S. Navy, he had been assigned in



radio and electronics work on submarine patrol in the Atlantic and Pacific. A native of Kansas, Arnold attended Capitol Radio Engineering Institute in Washington, D. C.

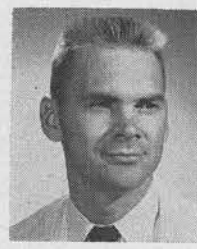
JOHN C. ECKHART to supervisor of Division 5221. John, a graduate of Purdue University, received his B. S. degree in electrical engineering in 1946. He came to Sandia in 1948 following employment in RCA's Victor Division, Camden, N. J. A veteran of two years in the U. S. Army, John was a part-time broadcasting engineer while attending Purdue. He is a member of Eta Kappa Nu and a native of Lafayette, Ind.



JAMES C. "JACK" HART to department manager, 2620. Jack joined Sandia Laboratory in May, 1949, coming here from Middletown, Ohio. He was with Prior Products, Inc., in Middletown for 3½ years and when he left was vice-president and general manager. Before that he was assistant director of production for Remington-Rand in Springfield, Ill., for three years. For 14 years Jack was an assistant district manager for Hershey Chocolate Corp. in Illinois. He attended the University of Illinois where he studied business administration. Jack is a Navy veteran.



ROBERT D. STATLER to supervisor of Division 5251. Bob came to the Laboratory in 1947 as a research assistant for the University of California. Previously he had worked as a hydrologist for the Bureau of Reclamation in Albuquerque. A line officer two years with the U. S. Navy, Bob is a graduate of the University of New Mexico where he received his B.S. degree in civil engineering. He formerly lived in Glendale, Ariz.



WILLIAM V. HEREFORD to supervisor of Division 5262. Bill has been at the Laboratory seven years, having joined the University of California here as an electro-mechanical test engineer. Bill's early home was in Gurley, Ala., and he later lived in Roswell, N. M. Holding a B.S. degree in civil engineering, Bill was employed by the State Highway Department and as a research assistant at University of New Mexico before his graduation in 1947.



BEN C. BENJAMIN to supervisor of Division 5216. Ben came to the Laboratory in 1948 following work in optical design at Pittsburgh, Pa. A graduate of the University of Minnesota with a degree of Bachelor of Mechanical Engineering, he also attended Carnegie Institute of Technology in Pittsburgh. Ben was assigned to Los Alamos for two years during World War II when he was with the special engineers detachment. A native of Minneapolis, Ben worked for a time for Minneapolis Honeywell Company and as a research assistant at the University.



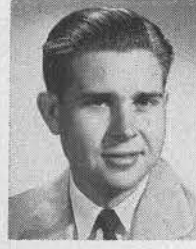
NICHOLAS VYTLACIL to supervisor of division 3151. Nick, retired from the U. S. Navy after 30 years' service, joined the Laboratory in November, 1950. He is a graduate of the U. S. Naval Academy, Annapolis, Md., and holds a master's degree in mechanical engineering from Columbia University. During his Navy career, Nick was port captain at Cristobal, Panama Canal Zone, for three years. He served as commanding officer of the "Pyro", an ammunition ship, the "Indianapolis", a cruiser, and the "Reuben James", a destroyer. At one period during World War II Nick was on the staff of Adm. Chester Nimitz in Hawaii, and was retired in 1947 from a naval post in Washington, D. C.



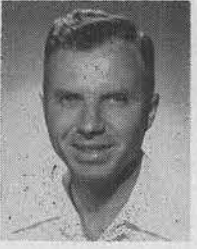
ROBERT S. SUMMERS to supervisor of Section 2553-2. Bob came to Sandia in 1951 after receiving his M. S. degree in electrical engineering from the University of Florida, Gainesville. An Air Force gunner from 1943 to 1945, Bob attended the University of Kentucky where he received his B.S. degree in electrical engineering. A native of Glendale, Ky., he was named to Eta Kappa Nu while in college. Prior to the war Bob was employed by Republic Aviation Corporation in Evansville, Ind.



DONALD L. LAWSON to supervisor of Section 5311-4. Don, a graduate of the University of Oklahoma, Norman, in 1951, joined Sandia Corporation in February, 1952. He received his B. S. degree in mathematics and physics and later did graduate work at the University. Don worked for Tinker Air Force Base and American District Telegraph Company, both in Oklahoma, while attending school. His home town is Shawnee, Okla.



FRANK D. HESS to supervisor of Section 5311-2. Frank joined the Corporation in December, 1952, following study at the University of New Mexico. He formerly worked for Braden Copper Co. and the Chile Exploration Co., both in Chile, as an analytical chemist, and for the Atok Mines in the Philippines following World War II. Frank saw submarine duty in the U. S. Navy during the war, and just prior to entering UNM he was with the Chino Division of Kennecott Copper Corp. in New Mexico.



GEORGE H. WEBBER to supervisor of Section 5416-2. George joined Sandia Corporation in Sept., 1951, following study at Northwestern University, Evanston, Ill., where he received his M.S. degree in electrical engineering. A native of Dayton, Ohio, George was graduated in 1950 from Rensselaer Institute, Troy, N. Y. He was elected to Eta Kappa Nu while in school.



Sandians Author Meteorological Magazine Article

"The Bulletin of the American Meteorological Society" in its latest issue features an article authored by three Sandians.

Everett J. Cox, 5110; Herbert J. Plagge, 5241, and Jack W. Reed, 5111, are the contributors. Title of their work is "Meteorology Directs Where Blast Will Strike."

The article details how temperature and wind distribution in the atmosphere determine where and how much energy will be returned from detonations of explosions to certain places on the earth. It explains the methods used to determine whether or not the blast will be heard at a given point, similarly if it will cause damage and how extensive this danger will be.

The story points out that under certain conditions, the atmosphere acts as a lens to focus sound energy upon small areas. Such concentrations may result in a disproportionate amount of sound and, sometimes, damage.

Also accepted for publication by the Meteorological Bulletin is an article by Jack W. Reed, 5111, entitled "The Representativeness of Winds Aloft Observations."

On NSPE Committee

A. Burton Metzger, 3170, Corporation Safety Director, has been appointed a member of the National Affairs Committee of the National Society of Professional Engineers.

A previous member of the national committee on Young Engineers, Mr. Metzger is state director of the Albuquerque chapter, New Mexico Society of Professional Engineers.

Bones, Rocks, Ingenuity Used to Make Jewelry for Perfect Gifts to Friends

The material sounds a bit weird but the results are handsome—petrified dinosaur bones made into cuff links.

Alan Pope, 5142, and his wife have taken up the hobby of gem cutting and jewelry making and they're finding that collecting their stones is almost as fascinating as turning out the finished product.

The Popes have a workshop in their home where the "piece de resistance" is a brand new diamond saw. They have polishing equipment, too, and plans are calling for a "faceting" tool which will help them produce professional-type gems.

Collection of Stones

This room houses the collection of semi-precious stones and odd formations the Popes have found, or have purchased, here in New Mexico.

"I can't wait to get into Old Mexico where we can hunt for some of the beautiful stones they have down there," Mrs. Pope explains. "Some of our prettiest earrings or cufflinks that we gave away for Christmas were made from jasper or 'scenic rock' we found ourselves not far from Albuquerque."

Mrs. Pope discovered the dinosaur bones about 50 miles northwest of the Duke City. They were on a Sunday outing with the Ralph Calverts, another Sandia couple interested in "rockhounding." (Readers may recall the feature article on Ralph Calvert, 5132, in a recent issue of the SANDIA LAB NEWS).

Among the "slabs" (first cutting on rocks or petrified pieces) that the Popes will be fashioning into earrings, brooches, necklaces, tie clasps or cuff links are petrified fig tree



Alan Pope "From rocks to gems"

and palm wood from Florida and "tiger eye" from Arizona.

Go to Georgia

They have sliced into geodes and opalized wood to find many a pleasing gem, and among the most colorful of their materials are the blue or yellow or red "slag" formations.

The finished jewelry which has been produced by Alan and his wife is mostly back in their home state of Georgia, however.

"We know the folks back there enjoy the gifts," Alan says, "and of course these polished rocks from the Southwest, particularly, have a special interest for them."

Sympathy

Sympathy is extended to Max Miller, 2452, whose mother died last week in Tucson, Ariz.

Sandians Succeed Where Don Francisco Failed

Tres Pistoles Abounds In History

In 1706 the Canyon de Carnuel area was a small but persistently annoying thorn in the side of Don Francisco de Cuervo Valdez. From a camp site by a small spring in the Sandia mountains, the insurgent Faraon Apaches were raiding the new city of Albuquerque, stealing cattle and arrogantly watering them at the spring within sight of town. Particularly annoying to Don Francisco, governor of the Province of New Mexico, were the brazen thefts of his own cattle.

As news of repeated raids continued to drift across the mesa to his headquarters in Bernalillo, Don Francisco's long-tried patience came to an end. His face turned beet-red with anger and he ordered out a small garrison force of ten soldiers and 30 families.

Atom Age Settlers

Seven years ago, an Atom Age settler named C. B. Saunders, of 2531-2, journeyed from Cleveland, Ohio, to establish another settlement in the now peaceful Carnuel valley. Over the intervening years, a small eight-family village of Sandia employees had sprung up around C. B.'s building site, locating in the high hills some seven miles from Sandia's east gate on the north side of Highway 66.

Charlie Saunders, who came to work with Sandia Corporation in February, 1951, bought himself a cluster of adobe cabins called "Mountain Lodge." Most of the cabins are occupied each night when the westerling sun goes down. "Haven't had too many Apache raids lately," Saunders says.

In his spare time, "C. B." tunes up cantankerous cars for his friends and tinkers with ancient jalopies of his own. You can see him most evenings and weekends, bent over a 1923 vintage Jordan or some other museum piece. C. B. claims when he gets through with them, the relics run "passably well." C. B. and his wife, Maria, figure that life near Tres Pistoles is worthwhile because "we're free out here; free as city people can never be."

C. B. may have something there. From the wide windows of his Mountain Lodge, he and Mrs. Saunders survey the 1,500 arid acres of the Carnuel Grant and away to the southwest looms the conical granite spire known as Ojo Sabino where Apache war smokes drifted skyward in the days of Don Fernando and el Duke de Alburquerque.

Likes Country Life

Virgil Harris of 5251 is like C. B. Saunders in his preference for the freedom of country life. But for a different reason.

"Here," Virgil says, "my kids have room to grow. Here my kids can develop responsibility and enjoy freedom, learning to face the problems of life." Virgil feels that city children may suffer from the "easy" city living.

With Millie, his wife, and Deane, Mark, and Marcia Lee, Virgil Harris is building onto his Spanish-type home. He manages—with help—to keep busy a newly-painted cement mixer, pouring cement for a recreation room and additional bath. Virgil's kids raise rabbits for pin money, and Mrs. Harris breeds parakeets and lovebirds as a hobby.

Beside his house-building activities, Virgil's country life includes a considerable reputation as an artist. His paintings line the walls of his home, and he has sold several to friends throughout the Southwest.

New Swimming Pool

Harris' home overlooks that of Art Miller, 2553-1, a few rods to the south, where the shouts of young swimmers in Art's new pool can be heard almost to the summit of Tres Pistoles Pass. Art designed and built the pool with his own hands, a considerable task for a man who works eight hours a day. Art's swimming pool project included the machining and casting of the pump which powers his filter system.

The Miller house is constructed of Spanish-style adobe, each room

fitted with picture windows. The Millers — Art and Dorothy — find pleasure in entertaining high school friends of their children: Bill, a hot-rod racer, and daughter, Carolyn. "Keep the young kids around," Art advised, "and you'll stay young, too."

A relaxed life in the country is Tom (1931) and Aileen Moran's (4222-4) recipe for staying young. "Listen," Tom says. "Hear that?" Listening, you are struck by the sun-shot stillness which wraps the hot stones and the mountains and the twisted clumps of mesquite. "This is a good place for relaxation and keeping young."

The Moran place is surrounded by a 13-foot block wall topped by colonial coach lamps. A picture window overlooks the canyon and the houses of other Sandians clustered far below.

Jim Cagle's house faces west across the Tres Pistoles to the crumbling slopes of the canyon wall. It is a modern house, modern in design, modern for functional living. Jim is proud of the under-window louvres which keep the building cool and airy, and proud of the block fireplace he's building in the center of his living room. "Can't beat life in Tres Pistoles," Jim observes. "Fifteen minutes to work, with the road clear all the way."

Giant Cactus Garden

Ed Hutson of 2450 is Cagle's nearest neighbor. He's just finished a new garage of mahogany-stained clapboard. But the striking feature of Ed's mountain ranch is the king-sized cactus garden Ed and his wife have planted. "We like the desert," Ed says. "At night we can sit here lazy-like and watch the passing lights in the valley."

Hovering over the valley floor is Verlin Hunt's, 2124-6, house of glass and brown-and-white clapboards. Closest to Tres Pistoles Spring of all the Sandian homes, where local legend tells of a frontiersman dead beside his three smoking pistols, the Hunts have filled their leisure hours with solicitous care of house and grounds. Through the window that fills one wall of the house, the valley spills out in front of them fully three miles to sleepy Carnuel, where ambling burro, emerald corn field, and worn carreta are relics of another day.

Perhaps the newest structure on the Carnuel Grant is the C. W. Dick-

"Storm the spring," he told his frightened band wrathfully. "Destroy the Apache and establish a city. We'll pacify that area forever."

Don Fernandez' hapless crew of soldiers and quivering settlers made the tortuous journey across the mesa from Bernalillo to the mouth of Tijeras Canyon in three days. With considerable misgivings, they struggled to throw up a few adobe huts and log corals. Later they hopefully planted fields of corn and frijoles.

But that first colony of adventurers on the Carnuel Grant held out for less than a year against the restless forays of the Apaches. Then they, too, were swept aside by the relentless passage of time.

inson home which was constructed of hand-made adobes in time-honored fashion. The Dickinson home boasts ranch-type plank or brick floors, exposed vigas, and a glass wall in the dining room. "Dick" and Mrs. Dickinson find the mountain stillness speaks louder to them than the clamor of city traffic. "We like the stillness and the sunshine and the blue sky out here," they declare. "In Tres Pistoles, nothing changes."

Perhaps if his angry spirit still whispers about the bubbling spring at Tres Pistoles, Don Francisco de Cuervo Valdez can rest easier now. His city has come to the mountains.



CLARENCE AND GEORGIA DICKINSON survey the view from their new home across the hot rocks of Tres Pistoles. With them is Bill Dickinson who laid the bricks of their new terrace.



ED AND PEGGY HUTSON and son, Jay, put in some week-end clean-up work in the king-sized cactus garden which surrounds their home in the canyon.



TOM MORAN, 1931, claims country living at Tres Pistoles is "real relaxin'," and he's got this photo to prove it. Tom looks on as his wife, Eileen, 4222, does a brisk job on the windows of their new home.



THE SUNNY SMILES of the Harris family back up Virgil's contention that "country living is good for kids." Left to right, Marcia Lee, Mark, Deane, Millie, and Virgil Harris.



ART MILLER, 2553, and Mrs. Miller talk party plans near the Miller's new mile-high swimming pool.

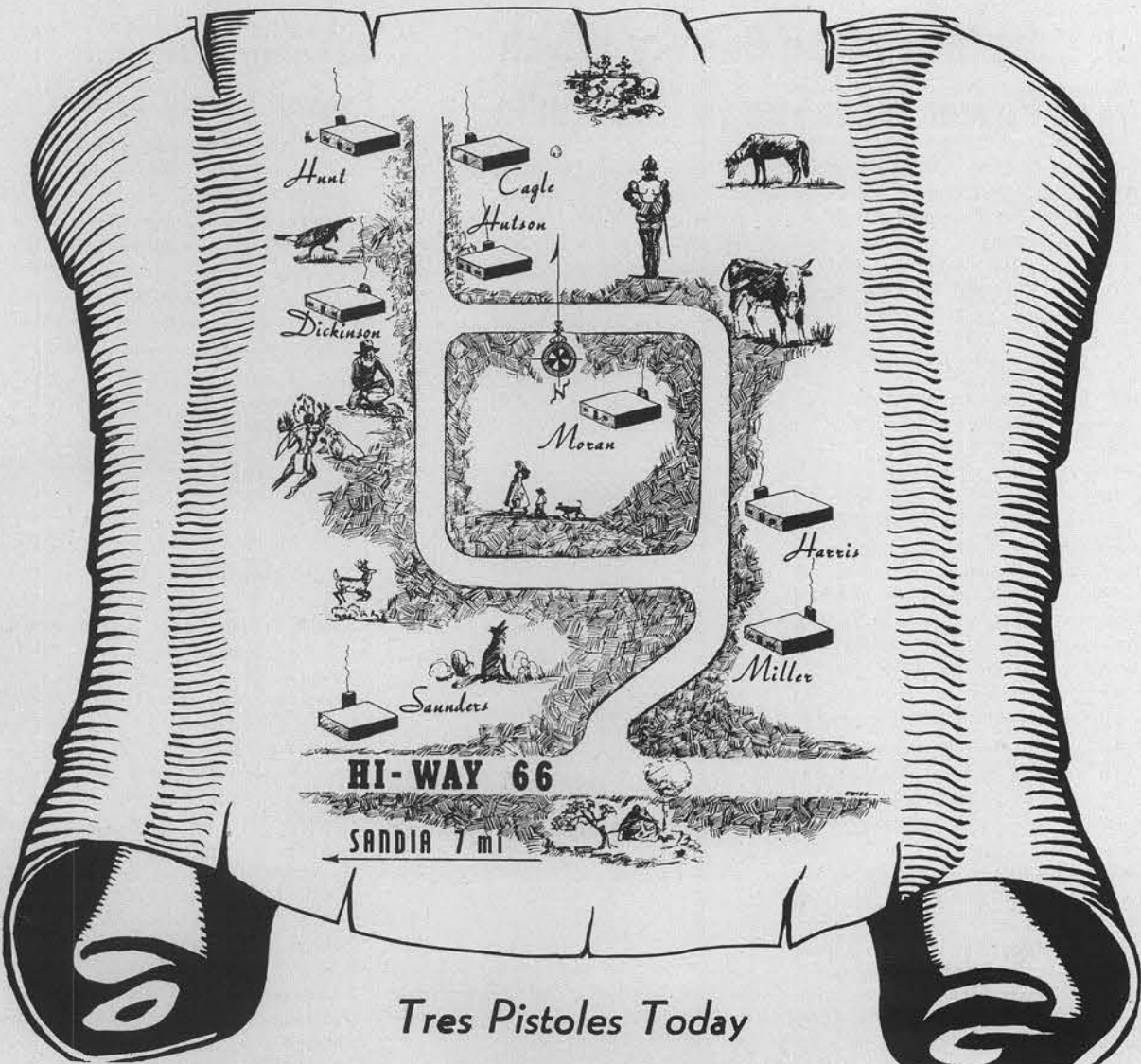




Photo by Dunlap

A VISITOR TO Sandia Laboratory last week was F. Lynn Cason, center, Director of Placement Service for Men at Purdue University, who is visiting various industries where Purdue alumni are employed. He was met by Nick Vytlačil, left, division supervisor of professional employment for the Corporation, and Charles E. Runyan, right, who is Purdue recruiting representative for the Laboratory. Mr. Cason was honored at a luncheon at the Coronado Club during his stay in Albuquerque and his wife was a guest of the ladies of the Purdue Club at an Old Town luncheon.



POWER FROM SUN—The sun's rays are the only source of power needed to operate a small mobile radio transmitter, Bell Telephone Laboratories men have discovered. (See accompanying story.)

Bell Labs Men Make Battery Which Takes Power from Sun to Run Radio

(Editor's Note: With many Bell Laboratories men working at Sandia Corporation and other Sandians in close touch with the Bell Labs the following article will have special interest here.)

A solar battery—the first successful device to convert useful amounts of the sun's energy directly and efficiently into electricity—was demonstrated recently at the Bell Telephone Laboratories.

Bell scientists, with an amazingly simple-looking apparatus made of strips of silicon, have demonstrated how the sun's rays could be used to power the transmission of voices over telephone wires. The Bell solar battery also used energy from the sun to power a transistor radio transmitter carrying both speech and music.

Six Per Cent Efficiency

Bell Laboratories reported that it was able to achieve a six per cent efficiency in converting sunlight directly into electricity. This compares favorably with the efficiency of steam and gasoline engines, in contrast with other photoelectric devices which have never been rated higher than one per cent.

Although the sun supplies more than a thousand trillion (1,000,000,000,000,000) kilowatt hours of energy

daily, comparable with all the reserves of coal, oil, natural gas and uranium found on earth, man has never been able to convert more than a small fraction of this energy directly to his use.

Uses Silicon Strips

Developed by a three-member team of Bell Laboratories scientists, G. L. Pearson, C. S. Fuller, and D. M. Chapin, physicist, chemist and electrical engineer, respectively, the experimental solar battery uses strips of wafer-thin silicon about the size of common razor blades.

These strips are extremely sensitive to light. They can be electrically linked together and can deliver power from the sun at the rate of 50 watts per square yard of surface.

Since nothing is consumed or destroyed in the energy conversion process, and there are no moving parts to the device, the solar battery should last indefinitely.

Rockhounds Meet

Next meeting of the Albuquerque Rockhounds will be Tuesday, June 22, at Botts Memorial Hall, 423 Central Ave. NE, at 7:30 p.m.

Prizes will be awarded for collections and handiwork and for the best "pebblepup" display by juvenile members of the club.

Swimming Classes Now Offered at Coronado Club

Special Coronado Club swimming classes were held beginning at 10 a.m., June 15, and will continue on Tuesdays and Thursdays throughout the season.

Children's classes for ages 6 through 10 will be held at 10 a.m. to 10:30, and beginners' classes—ages 11 through 15—from 10:30 to 11.

Adult instruction for swimmers aged 16 and over will be provided from 5 p.m. to 5:30. Intermediate swimmers may attend classes from 5:30 to 6.

All classes will be under the supervision of Charles Koehler, chief guard. Instructors include members of the Club life-saving team: Fred MacNair and Barbara Saylor.

Air Force Musicians To Play for Club Semi-Formal Dance

The newly-formed 15-piece Skyliners dance band, a top-notch aggregation of musicians from various Air Bases throughout the country, is scheduled for its first Coronado Club engagement June 26.

The semi-formal dance is the first of a series this season.

W/O Ralph Scargill directs the band which, despite reorganization a scant five weeks ago, has already attained an outstanding state-wide reputation.

Ticket prices for the affair have been set at 50 cents per person. An additional guest fee of \$1 will be charged, Club officials announced.

Dancing will be held from 9 p.m. to 1.

Any Old Electronic Gear for Swapping?

A "Swap Shop" has been established by Sandia members of the Albuquerque Audio Club.

Interested members who have surplus radio parts or electronic components are asked to mail their lists to Chuck Martin, 1324. A consolidated listing of available items will be made for all interested individuals.

Members are urged to list, in addition to detailed descriptions of the component part, a price for each item, or trade desired.

Bagging Alligator Proves Lively Sport

Bagging an 8½-foot alligator in North Carolina's New River provided an exciting afternoon recently for Bernice Duke's son, S/Sgt. Jim R. Cassell, who is stationed with the Marines at Camp Lejeune.

Jim wrote his mother, who works in 4133-1, that it was a serious bit of business. He and a friend stalked the gator for an hour and sent five shots into the ugly critter before capturing it and tying it to their boat. Then followed a three-mile trip up New River to Tar Landing where they unloaded their catch.

Weddings

Jackie Nipper, 3152, was married June 4 to Howard Laskey of Albuquerque. The ceremony was performed in Santa Fe where the couple spent a honeymoon of several days. Jackie, who joined Sandia Corporation last December, and her bridegroom are now at home at 317½ Stanford Ave. SE.

Tomorrow is the wedding date for Patricia Ann Thorpe, 1512-3, and William J. Schultheis, 1312, who will be married at St. Charles Church in Albuquerque. The couple will honeymoon for two weeks in San Francisco.



Charlie Spriggs —boats in the middle of the desert?—

Youngsters Offer Pop Competition in Model Making—Here's His Sailboat

Grads of Technical Institute Forming Alumni Association

Organization of an alumni chapter for Valparaiso Technical Institute, Valparaiso, Ind., is underway this month following a get-acquainted picnic May 30 at Pine Flats.

Sandians among the Albuquerque alumni include Floyd McIver, 5143; Lee Neeley, 1524; Arthur Vigil, 5421; John Lannon, 5221; James Drake, 1652; Charles Reed, 5211; Gordon Bachand, 5421, and Ferris McKesson, 1511.

James Drake may be reached for information on chapter activities at ext. 40232.

Congratulations

BORN TO:

Mr. and Mrs. Robert Wilds, 5421-2, a daughter, Martha Victoria, May 20.

Mr. and Mrs. Eulogio Sanchez, 2351, a daughter, Clara, May 21.

Mr. and Mrs. Buford Eagan, 1264, a daughter, Patrice Ann, May 27.

Mr. and Mrs. R. J. Guerin, 4152, a son, Phillip L.

Mr. and Mrs. E. B. Springer, 4152, a son, Eugene Raymond.

Mr. and Mrs. Leo A. Dunn, 1284, a son, John Patrick, June 3.

Mr. and Mrs. Robert D. Charlton, 1641, a daughter, Quana Louise, June 6.

Mr. and Mrs. Fred King, 1521-4, a son, Jeffrey Thomas, May 30.

Mr. and Mrs. Robert Harnar, 1521-3, a son, June 11.

Living in semi-desert country hasn't nullified Charles Spriggs' interest in boats.

The Sandian, an illustrator in the Laboratory's technical art division, makes model boats in his spare time. His latest is a nautical achievement which he fashioned from cardboard and paper.

"I've an uncle who's a boat builder," he explains, "and I just grew up liking boats. I make models of other things, too, but they've become my favorites."

At home the Sandia artist from 2463 has some competition. There are three sons and two daughters in the Spriggs family and all of them like to build things.

"I can't keep the tools in the house," Charles says. "We let the kids take over the backyard and they haul hammers and nails out there to make boats or houses or airplanes . . . practically anything and everything."

"I've finally solved part of their supply problem by just keeping a supply of junk lumber on hand."

Radio Club Members To Hear of Geiger Counter Construction

Members of the Sandia Base Radio Club will hear E. E. Fletcher, 5414-1, give a special talk on "Design and Construction of Compact Geiger Counters" at a special meeting to be held June 28.

Members and guests are also invited to attend to hear nation-wide results of the ARRL Field Day events.

The meeting will be held at 8 p.m. in Building 364 on the Base.

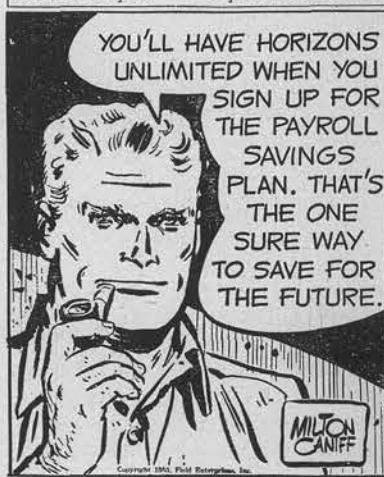
Al Hayes Again Heads Local ASQC

At a recent meeting, announcement was made of the re-election of Al Hayes, 1512-1, as chairman of the local chapter of the American Society for Quality Control.

Re-elected vice-chairman was Arvine F. Cone, 1510, and Howard Viney, 1521, secretary.

J. A. Orr of Albuquerque was chosen treasurer; Phil Bircher, 1512, director for the New Mexico Council of Technical and Scientific Societies, and alternate, W. E. Caldes, 1513.

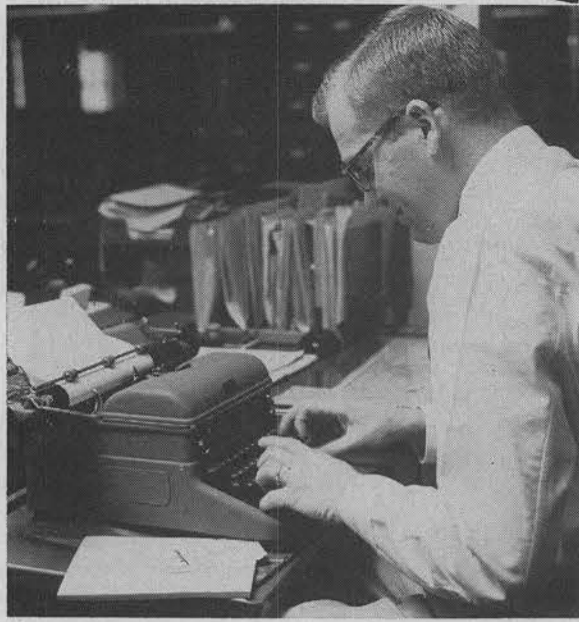
Steve Canyon By Milton Caniff



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



NEWS COMES IN from reporters, approximately 70 of them, scattered in many offices, shops and laboratories throughout the company. Estelle Muses, a member of the staff of the technical library, calls the SANDIA LAB NEWS office with stories for publication.



THE STORY is received by Bill Puder, Assistant Editor of the paper, and placed in typewritten form after verification of facts.

Moveable type is thousands of years old
But it is the basis of today's printing

A Newspaper Goes to Press

As newspapers go, this publication is not very old. We are in our sixth year; two of these years saw the paper published in mimeograph form.

In 1951, February 16, the first letterpress-printed issue of Sandia Corporation's employee newspaper, then known as **Sandia Bulletin**, was produced.

Today's issue, No. 13, Vol. 6, is the eighty-ninth paper to appear in printed form.

Production of the SANDIA LAB NEWS has settled into a routine which strangely enough is never exactly the same. The mysteries of the graphic arts are fascinating and the story of how this paper goes from typewritten copy to printed form is a story of modern industry efficiently, rapidly and easily performing its function.

This is a story involving type, matrices, slugs, em quads, quoins, chaises, stones, rules, picas, and a myriad of tools of the printer and engraver.

Skipping the too technical phases, here's an account in pictures of the SANDIA LAB NEWS—from a suggested story to a finished publication.



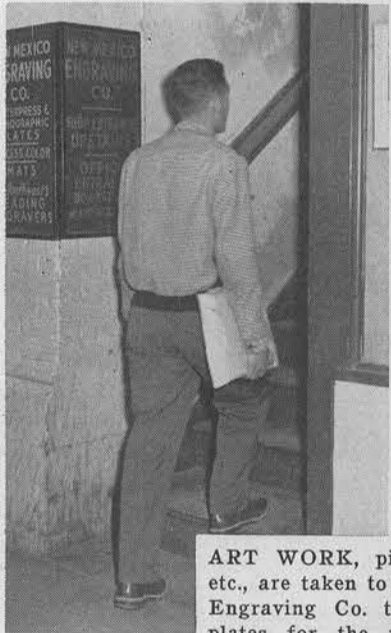
PICTURE possibilities are discussed by Assistant Editor Maxine Ethridge with Roy Dunlap of Sandia Corporation's Photographic Section.



DEADLINE is past and copy for an issue of the paper is delivered by Messenger Norman Keesling, 3125-1, to Walter Lee, foreman of the composing room of Valliant Printing Co., Albuquerque.



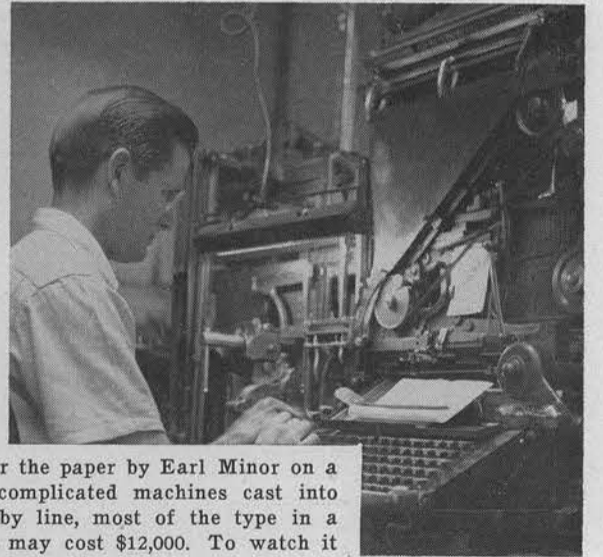
SKILLED CRAFTSMEN at the same time are working on zinc halftones at the engraving plant. A photographic process involving light-sensitive metal plates results in clear, sharp pictures in the finished paper.



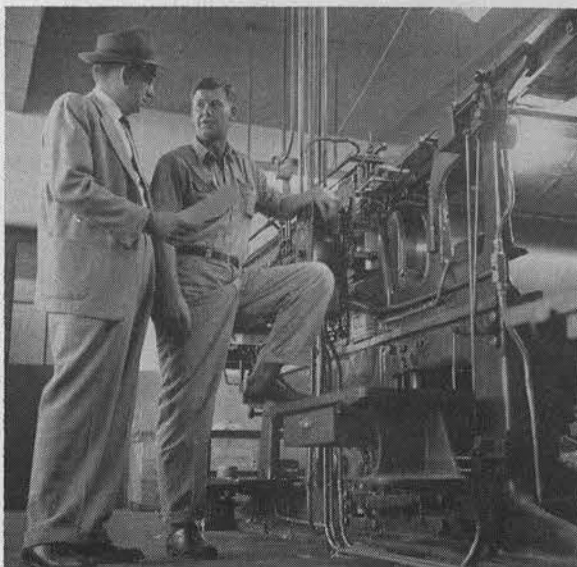
ART WORK, pictures, cartoons, etc., are taken to the New Mexico Engraving Co. to be made into plates for the printing process. Both the printing and engraving plants doing work for the SANDIA LAB NEWS are long-established Albuquerque business firms.



TYPE AND PLATES meet on the composing stone in the print shop. Printer Chuck Klemz, right, and Robert S. Gillespie, editor of the NEWS ponder makeup problems.



TYPE IS SET for the paper by Earl Minor on a Linotype. These complicated machines cast into metal slugs, line by line, most of the type in a paper. A linotype may cost \$12,000. To watch it operate is a fascinating experience.



PRINTING PRESSES complete the paper. Pressman Tom Rehkop and Editor Gillespie stand before the precision machinery which is capable of producing four-color illustrations such as you find in "slick" magazines.



MESSENGERS distribute the finished product to you. Every other Friday the SANDIA LAB NEWS goes into the hands of the more than 5000 Corporation employees.

Photos by Laskar



FAMILIES READ the paper too. Mrs. Emma Laskar and George, 9, look at the paper at home. Young George is proud of the photographic work his Dad does for the paper.

shopping center

CLASSIFIED ADVERTISING
 Classified advertising is printed in the Sandia Lab News as a service to Sandia Corporation employees and employees of the AEC on Sandia Base. There is no charge for publishing the advertisements. Limit: 20 words. Advertisements must be submitted in writing and contain the name, organization, home telephone number and base extension of the advertiser. Each advertisement will be run one issue. Deadline: Friday noon, one week prior to date of publication.

Next Deadline: Noon June 25

FOR SALE—

THREE BEDROOM home, 1 1/4 baths, patio, sprinklers, 2-car garage, near school, shopping, bus, 401 Tulane SE, Kioepfer, Alb. 5-9721.

SOLID WALNUT table, chairs, bench painted white, yellow upholstered \$20. Stewart, 504 Arizona SE, Alb. 6-3976.

HOFFMAN Royal Deluxe 3 bedroom, air conditioner, 1 1/2 years old, 1 1/4 baths, immediate sale mandatory. Brinck, Alb. 5-8564 after 5.

UPRIGHT PIANO \$100. Hoge, Alb. 2-3194.

HEATHKIT Model 0-7 Oscilloscope \$40, Simpson Model 260 multimeter \$22.50, Hallcrafters SX-43 with speaker \$100. Lindsay, Alb. 5-7889.

THOR WASHER \$50, Thor ironer, used 3 times \$50, barbecue grill \$20. Mitchell, 2433 Wisconsin NE, Alb. 6-1202.

SANDIA MOUNTAIN property, 11 acres, North of 10 near Sandia Park \$500 per Acre, terms. Arnot, Alb. 5-7889.

SEALY POSTURE double-size mattress and box springs. Rodocovich, Alb. 5-9834.

WOODED KNOLL in Sandia mts., 60 or 87 acres, 2 mi. East Highway 10 near San Antonio. Scussel, Alb. 4-2270.

INCOME PROPERTY close in, or will trade for valley property. Reynolds, Alb. 5-4253.

THREE and one-half acres, 30 fruit trees, garage, barns, modern 5-room house on Five Points. Lopez, Alb. 2-9057.

1953 AUSTIN A-40 sports engine, transmission, differential and extras \$300. Thomas Alb. 5-6373.

MAN'S BICYCLE, balloon tires, basket, coaster brake \$15. Sieglitz, Alb. 2-7612.

BOY'S BICYCLE, King Alb. 5-9440.

MAPLE living room suite, 5-piece, davenport, platform rocker, chair, coffee table, lamp table, \$150. Whalon, Alb. 6-5193.

CAR COOLER \$5. Nielsen, Alb. 5-8989.

NAVY BINOCULARS, 6-power, individual eyepiece focusing, leather case \$40. Shew ext. 22156.

4-lb. BALLOON CLOTH full zip sleeping bag with canopy, used twice \$14. LeCompte, Alb. 5-3261.

BED, DRESSER, springs, mattress \$25; baby bed and mattress \$15. Albers, Alb. 5-0519.

1951 BUICK Roadmaster, 4-door, R and H. window-lifts, whitewalls, entire service record available \$1395. Luton, Alb. 3-2077.

NEVER USED 8.5 Westinghouse automatic, defrost, make offer; Perfection electric range, 2 years old, make offer. Schultz, ext. 56296.

PUREBRED black cocker spaniel, no papers, 6 months old \$15. See at 3225 G 34th St., Sandia Base. Bury.

AIRCRAFT Transceiver, Hallcrafters "Skyfone", CA-2, receives low frequency, broadcast band, loop plugin, Crystal control transmitter \$99.50. Shaffer, Alb. 26507.

ONE-THIRD INTEREST in 1947 165-Stinson Voyager, total time 950 hours, 150 hr. S. M. O., VHF radio, Eiffert, Alb. 6-0118.

SEVEN-ROOM duplex north valley, 7300-block Second NW, 1/2 acre, irrigation privileges \$6850. Chaves, Alb. 4-3004.

GE REFRIGERATOR, 8 cu. ft., 3 years old, 5-year warranty \$125, terms. Binder, 3156 44th Pl., ext. 40272.

GUITAR, Fender Champion single neck electric, case, amplifier, \$75. Martin, ext. 29249.

OR TRADE: '42 Buick Special 4-door, R and H, \$275; also sell equity in Lawrence home, completed soon. Kraft, ext. 33276.

1953 CROSLY Shelvador, 73-pound freezer; 1953 Laundromat; drawing table, adjustable stool; space heater; playpen; Lionel train; highchair. Noble, ext. 53628.

FREEZER, 22.5 cu. ft. \$200 or best cash offer for \$400 equity, or will trade. Need desert cooler. Rideout, Alb. 6-7694.

WASHING MACHINE, GE wringer-type, automatic pump \$50. Kelly, Alb. 6-5429.

SINGER sewing machine with walnut table, chair \$150; 12 American Education vols., 8 story, 4 famous story \$100. Skelley, 447 Louisiana SE.

REGISTERED English Springer Spaniel puppies, champion sired, fine blood lines, good with children and in field, \$50. Barth, Alb. 6-1014.

LEICA, postwar, coated 6-element f2.0 Nikkor, lenscap, case, filter, manual \$115. Tucker, Alb. 5-0603.

EVAPORATIVE cooler, 1600 CFM, Universal brand \$20. Murphy, 5712 Euclid NE, Alb. 5-4706.

WILCOX-GAY Recordio, reasonable. Helm, ext. 21143.

DRAFTING TABLE, 60-in. \$25. Rawlins, ext. 36137.

COOKE 20-in. Telephoto coated lens, Wolensak shutter and 4 x 5 Graphic lens board mount \$125. Neeley, ext. 29243.

YOUTH BED. Shoemaker, Alb. 5-8820.

AIR CONDITIONER, Palmer, 1200 cu. ft. cooling capacity \$25. Jones, 2726 San Joaquin SE, Alb. 7-8642.

KODAK, 35-mm. Retina IIA, case, latest model \$90; Weston Master exposure meter, case \$19.50. Sisler, ext. 29243.

THREE-BEDROOM brick home, 1 1/4 baths, NE heights, near shopping, grade school. Furman, Alb. 5-6754.

THERMADOR portable air conditioner with pump \$25. Kever, 1329 Wellesley Dr. NE, Alb. 5-1683.

HALLICRAFTERS S-40 receiver \$59; 150-lb. set of weights \$25 or will trade for 2-wheel trailer. Farmer, Alb. 5-7279.

TWO BEDROOM home by owner, located near schools, redecorated, trees, lawn, sprinklers. James, 1206 Quincy SE, Alb. 6-0352.

MANKIN 4-bedroom tiled floor throughout, lawns, partial wall \$10,500, Carlisle Plaza, 3140 Sierra Dr. NE. Schuknecht, ext. 20245.

TWO BEDROOM house, lawn, trees, carpeting, blinds, small down payment \$7750 total, Kirtland Addn. Pittman, 1313 Gerald SE, Alb. 3-9023.

TAPPAN RANGE, glass door, automatic timer, stainless steel interior, clock, accessories \$195; Coldspot refrigerator \$165, both 18-mos. old, Brinck, Alb. 5-8564.

WANTED—
 USED CEMENT MIXER, about 3 cu. ft. capacity. Merriam, ext. 32243.

CEMENT MIXER, 2 1/2 x 3 cubic yards. McPhate, ext. 24136, Box 223, Cedar Crest.

RIDE from corner of Yale and Garfield SE to Bldg. 892. Gloria Rogers, ext. 49163.

RIDERS, driving to North Carolina via Birmingham and Atlanta, leaving June 19. Ward Hunnicutt, ext. 25158.

RIDE from vicinity 500 Quincy NE to base. Lois Stemporzewski, Alb. 6-3927 after 5.

RIDE from vicinity 1415 Candelaria Rd. NW to Bldg. 800. Lola Schiffman, Alb. 4-6108.

RIDE for one to New York City about July 2, will share driving and expenses. Mike Hanrahan, 1147 Marron Circle NE, Alb. 5-1695.

FOUR-FOOT or longer bull or gopher snake, alive, reward. Darugh, Alb. 6-5675.

FEMALE RIDER to share expenses to Detroit or Chicago, leaving July 10. Agnes Mahinske, 417 Virginia NE, Alb. 5-2045.

TWO CARS to join pool, vicinity Bellamah or Beverly Woods Addn., to Adm. Bldg. days. Flanagan, Alb. 6-0886.

RIDE from vicinity Wyoming and Menaul to base. Elsie Robinette, ext. 37250.

RIDE from 1020 Indiana SE to Adm. Bldg. Betty Howarth, Alb. 6-5086.

RIDE from Coal and Sycamore to Adm. Bldg. Norene Connelly, Alb. 2-9556.

TRADE—
 SPAYED female Beagle, 15-mos. old, registered, loves children, for baby bed or will sell \$35. Lane, ext. 37159.

CAMP ICE BOX, keeps 15 lbs. ice 4 days for car cooler; also will sell radio for \$2.50 or trade for book of stamps. Baxter, Alb. 4-1392.

FOR RENT—
 LARGE STUDIO BEDROOM and bath, private entrance, close to stores and bus line \$35. Howard, Alb. 6-0478.

ONE OR TWO girls to share my 2-bedroom house, all new furniture, private bath, laundry facilities. Levaughn Doran, Alb. 6-5529.

TWO BEDROOM home, stove, refrigerator and bedrooms furnished, carport, water paid \$70 a month, 2635 Madison NE. Moulder, Alb. 6-8109.

FURNISHED HOME in mountains near Sandia Park, 25-minute drive to base \$75. Richardson, ext. 43248.

LOST—
 BOY'S 20-in. BICYCLE, red with white trim, brown seat, wire basket, broken horn, (school playground). Caldes, ext. 20283.

Team 8 Leads in Summer Bowling

Erma Fauerbach's Team No. 8 topped the League standings as the summer bowling season at the Coronado Club rolled into its fifth week. Team 8 has won 11, lost 1, and amassed a total of 6793 pins.

Runner-up is Team 2 with 7 won, 5 lost. In third place is Team 6.

Scheduled for games at 6:30 p.m. on June 22 is Team 7 vs. Team 1, and Team 4 vs. Team 6; at 8:30. Team 3 vs. Team 8, and Team 5 vs. Team 2.

Summer Bowling

Team No.	Games Won	Games Lost	League Total Pins
8	11	1	6793
2	7	5	6657
6	3	9	6199
1	6	6	6174
3	6 1/2	5 1/2	5989
5	7	5	5871
4	4	8	5825
7	3 1/2	8 1/2	5605

Chet Fornero Top In First Round of Golf Tournament

Chet Fornero, 1541-3, posted winning low net score, and Larry Smith, 5241, low gross to take first place in the end-of-round golf tourney held last Sunday by the Sandia Golf League at the University Course. Trophies will be awarded this week.

Runner-up to Smith in the low gross competition was Joe Hickey, 3122. Third and fourth places were taken by Dick Kidd, and John Olson.

Larry Smith also took second place in the low net play, while Jim Kelly took third, and Dale Massey, fourth.

A similar tourney upon completion of the season's second round of League play, is already in the works, Bob Kelly, league publicity chairman, said today.

In the league play, Team 2 of "A" Flight copped first, and in "B" Flight, Team 3 headed the ladder.

Some 34 Sandia Corporation golfers participated in the First Round tournament competitions, Kelly said.

Second round league play begins on Monday, Kelly said, with two additional teams scheduled for play.

Sports Car Drivers, Amateur Radio Men Help Dedicate Road

Sandia Laboratory's sports car addicts took off to the road races recently and did themselves proud.

Walt Howerton, 5251, claimed first place in the 1400 c.c., modified, class at the Santo Domingo sports car meet with his M.G.-TD. Copping third place honors in the same event was Corry McDonald, 1210, with his M.G.-TC. The occasion marked opening of the new Santo Domingo road.

Corry's sports car brought him a trophy for third spot in the Concours D'Elageance held prior to the racing events.

Chief timer at the time trials and races was Jim Sisler, 1524, who was assisted by members from Albuquerque's Caravan Club. Radio control and communications along the 2 1/2-mile course were furnished by Caravan-ers, including John Price, 2133; Jim Lareau, 5221; Ralph Roane, 5431, and Joe DeBaca, AEC.

The day's event drew several thousand spectators in spite of bad winds and dust.

ASTE Members Go To Mountains for Picnic June 19

The gala annual picnic of the Albuquerque chapter of the American Society of Tool Engineers will be June 19 at Pine Flats picnic area in the Manzano Mountains, Ole Nerhus, 1281, has announced.

Special games and events are scheduled to begin at 2 p.m. Gift certificates from various downtown Albuquerque shops and stores will be awarded as prizes.

The picnic is not confined to members of the ASTE and their families; all Sandians are invited. The Pine Flats area is located eight miles south of U. S. Highway 66, on State Route 10. The route will be marked, Nerhus said.

Interested picnickers are urged to make reservations with Ole Nerhus, ext. 23145, or with Fred Dieber, at ext. 41251. Those attending are asked to bring their own food, water, and firewood. The local ASTE chapter will supply refreshments.

G. I. News—

From Sandians in The Armed Forces

Jack R. Hanna, formerly a personnel investigator in 1921, writes that he will probably be released from military service in September and he is looking forward to returning to Sandia Corporation. Jack is now overseas. He has been in the service since August, 1952. His address:

Jack R. Hanna
 Headquarters
 513th Military Intelligence Group
 APO 575
 c/o Postmaster, New York, N.Y.

Radio Hams Prepare for Nation-Wide Competition During A.R.R.L. Field Day

★ Young Paul Meigs Lands 17-in. Trout With Bare Hands

The tale of the "one that got away" has a happy ending for whom it may concern.

Paul Meigs, son of Purdy Meigs, 5132, brought home a 17-inch trout from the Jemez area recently although he knew it was a second-hand catch. Paul spied the beauty squirming to free itself from a snapped line at the edge of the stream and he caught it with his bare hands.

Purdy says this should officially open the season for fish stories.

Competition Tempo Steps Up As "A's" Take League Lead

The Athletics of the American League in Sandia Employees' Softball League gained undisputed first place this week. They have a 5-0 win-loss record. Two teams in the National League, the Cubs and Dodgers, were tied for first with 5 wins, 1 loss each.

As play continued in the two leagues, nearing the end of the season's first round, competition increased and umpires came in for some solid rhubarbs on Sandia diamonds.

League schedules are posted elsewhere in this issue.

League Standings		
SANDIA EMPLOYEES SOFTBALL ASSOCIATION		
AMERICAN LEAGUE		
Team	W	L
Athletics	5	0
Orioles	4	2
Red Sox	4	2
Senators	3	3
White Sox	3	3
Yankees	2	4
Indians	1	5
Tigers	1	5
NATIONAL LEAGUE		
Team	W	L
Cubs	5	1
Dodgers	5	1
Giants	3	2
Braves	2	3
Cardinals	1	5
Phillies	1	5

Game Schedule	
SANDIA EMPLOYEES SOFTBALL ASSOCIATION	
NATIONAL LEAGUE	
2nd Round—1954	
June 23—8:30 p. m.	Diamond A—Cubs vs. Dodgers
	Diamond B—Phillies vs. Braves
	Diamond C—Cardinals vs. Giants
June 30—7:00 p. m.	Diamond A—Braves vs. Cubs
	Diamond B—Dodgers vs. Cardinals
	Diamond C—Giants vs. Phillies
July 7—8:30 p. m.	Diamond A—Giants vs. Dodgers
	Diamond B—Braves vs. Cardinals
	Diamond C—Cubs vs. Phillies

*Denotes Home Team.

Preparing for participation in the nation-wide American Radio Relay League National Field Day contests on June 19-20 are members of the Sandia Base Radio Club and local MARS station personnel.

Field Day activities for local "hams" will pit Albuquerque ARRL portable radio receivers and transmitters against those of similar units throughout the country. The ARRL station making the largest number of radio contacts with voice or telegraph is declared national winner.

Power for Field Day transmitters must be less than 100 watts. Additional points will be awarded by ARRL national headquarters if contact is made with equipment rated less than 30 watts.

Chuck wagon facilities will be provided by Carl Carlberg, 2312-2, assisted by Jim Lareau, 5221, and Joe DeBaca, AEC. According to Carlberg, "All operators will be well fed during the 24-hour contest grind."

Other committee members include: Joe Knight and Si Upson, both of AEC, and Tom Banks, 5423-1.

Non-participating members of the Sandia Club are urged to stand by for W5MPZ, the club station on 2, 10, 20, 40, and 80 meters during the contest. Local "hams" who pick up a distant station are urged to turn the contact over to a contest committee member.

Elect D. S. Tarbox President of Sandia Lab Credit Union

David S. Tarbox, 2350, was elected president of the Sandia Laboratory Federal Credit Union last week, succeeding Linden Frice, 4233.

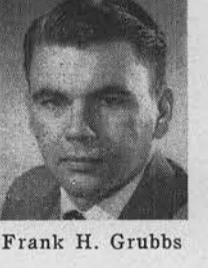
A new member of the Credit Union's board of directors is Frank H. Grubbs of 4233.

The Credit Union has passed the half-million dollar mark in shares and has processed more than \$1,200,000 in business since its inception in 1948, according to John A. Brown, treasurer.

The board includes these Sandians in addition to the above: Bill Crout, 2413, vice-president; Evelyn Hughey, 3122, clerk; H. M. "Hank" Willis, 1931; Al Spengeman, 4310; Martin Grothe, 6021, and Hilton DeSelm, 1310. Meetings are held weekly.



David S. Tarbox



Frank H. Grubbs



A CATCH to be proud of! Kathleen and Dick Otero, children of Mel Otero, 2521, are snapped with the trout their parents caught on a recent fishing trip to northern New Mexico.