

SANDIA LAB NEWS

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



Vol. VI, No. 22

ALBUQUERQUE, NEW MEXICO

OCTOBER 22, 1954

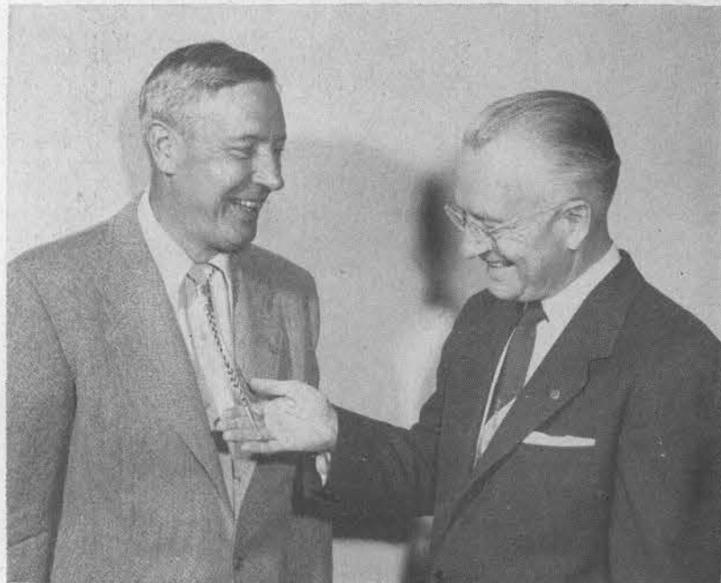


Photo by Hodges

WORDS OF GOODBYE—Albuquerque businessmen chose S. Y. Jackson, right, to preside at a farewell and thank you dinner for Timothy E. Shea, left, who moved back East last week. Mr. Shea, former vice-president and general manager of Sandia Corporation, has taken up his new duties as vice-president of Western Electric Company.

Social Security Law Changes to Affect Millions

More Social Security for more people — that's the way headlines have told of the changes made in the Social Security law by the recent Congress.

As a result of the revision, on January 1, 1955, benefits will be increased and the amounts which will be paid annually by those earning over \$3,600 will be increased.

Here is a brief resume of the major parts of the new bill:

Old Age, Survivors Insurance

There has been made an extension of coverage in old age and survivors insurance and approximately 10 million more people will be included.

Others to be included in the law are self-employed farm operators, employees of state and local governments under retirement systems, farm workers, domestic workers, casual laborers, ministers, U. S. citizens employed abroad by foreign subsidiaries of American employers, certain Federal civilian employees and employees in fishing and related activities.

Benefits Increased

More than 10 million persons now on the benefit rolls will have their benefits increased. The average increase will be about \$6 per month with proportionate increases for dependents and survivors.

Persons who retire in the future will in general have their benefits computed at 55 per cent of the first \$110, rather than \$100 on the old law, plus 20 per cent of the next \$240, rather than 15 per cent of the next \$200.

The minimum monthly benefit for retired workers will be \$30 and the maximum monthly benefit on Sept. 1 was increased to \$200 from \$168.75.

Contribution Rates

Employers and employees will continue to share equally with the rates on each being as follows:

1954-59	2	per cent
1960-64	2½	per cent
1965-69	3	per cent
1970-74	3½	per cent
1975 and after	4	per cent

There are other amendments to the law which will be of importance to those now being covered. A booklet detailing recent changes in the Social Security Law is on the racks this week. Further details concerning the new law may be secured from the Insurance Counsellors, ext. 29261.

AIRE-AIEE Members To Examine 'Phone Company Facilities

Members of the American Institute of Electrical Engineers and the Albuquerque-Los Alamos Section of the Institute of Radio Engineers will gather in a joint meeting at 2:30 p.m., Nov. 6 to make a tour of the Mountain States Telephone and Telegraph Co. terminal facilities of the transcontinental microwave relay system station.

Later, the party will visit the repeater station of the American Telephone and Telegraph company located on the West Mesa.

IRE Professional Groups Will Hear Ned Wilde Speak

Ned Wilde, 5414, will speak on "Automatic Impedance Measurements" at 8 p.m., on October 26 to a joint meeting of the IRE professional groups on antennas and propagation, and microwave theory and techniques.

The meeting will be held in Room 217 of the Electrical Engineering building on the University of New Mexico campus.

Both professional groups of the Institute of Radio Engineers will hold joint meetings in the future, according to IRE officials.

Tony Pastor Band Playing at Club Saturday, Nov. 6

Tony Pastor's world-renowned dance band stages a one-night stand for Coronado Club members and



Tony and Lucy

their guests Nov. 6, from 9 to 1.

Reservations for the semi-formal affair may be made in advance by calling the Club offices at ext. 37275 and 37276.

Ticket prices for members have been set at \$2 each, and for guests, \$3.

Singing with Pastor's Band will be Lucy Purser, featured vocalist, and other big-name entertainers.

Parade and Treats Planned for Sandia Halloween Party

A costume parade and treats at the Base Cafeteria will precede the annual Halloween carnival sponsored jointly this year by the Wherry-Sandia Base Parent Teachers Association. The affair will be held at 6 p.m., Oct. 29, with Carnival Headquarters set up in the Old Base Gym.

Movies will be shown to the children at the adjacent Protestant Chapel.

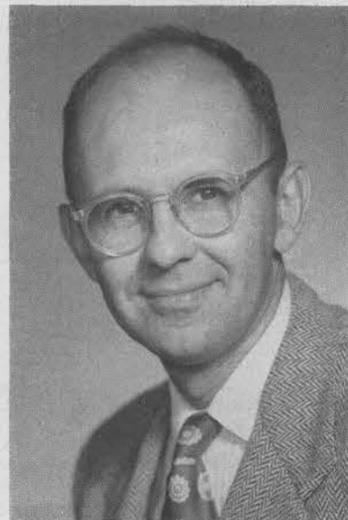
Supper will be served in the cafeteria, and booths for games and entertainment are to be erected in the gym.

Chairman of the Carnival Committee is Comander H. Barr Palmer, ext. 23214, who says that help is badly needed for all activities of the Base Halloween PTA program.

Lt. Col. W. L. Finney, ext. 33211, head of the food committee, also needs assistance at the Cafeteria supper, both on the serving of food, and in later clean up work.

G. A. Economou to Present Paper at Engineer Meeting

George A. Economou, supervisor of the Optical Development section, 5224-1, has been invited to present



George Economou —tells of "tracking twin"—

a paper today to the 76th Semi-Annual Convention of the Society of Motion Picture and Television Engineers at Los Angeles.

"A Tracking Twin Telescope Mount" is the title of his paper.

George joined Sandia Laboratory six years ago after working at Los Alamos for several years. He holds a B.S. degree in Astronomy from Harvard University.



Sandians Make New Red Feather Record; \$40,035 Donated

Sandia Corporation employees have set another record:

A new high has been reached in total gifts to the Albuquerque Community Chest and the percentage of employee participation is greater than ever before.

Here's the accomplishment:

Employee gifts	\$34,760.30
Sandia Corp. gift	4,700.00
Anderson-Dunham	325.00
Coronado Club	250.00
Total Gifts, Pledges	40,035.30
Percentage of employees participating	92%
Last year the gifts totaled	\$38,904
and 90.4 per cent of the employees participated in 1953.	

Club Plans Halloween Party, Costume Dance

A Halloween Costume Dance for Coronado Club members and their guests will be held Oct. 30 at the Club. Sol Chavez' 10-piece dance band will play for dancing from 9 to 1.

Prizes will be awarded for the most unusual costume, and the most original. All dancers should wear masks, and costumes.

The Snack Bar will be open in the recreation room in the basement of the Club. Sandwiches, coffee, and pie will be served.

Members are admitted free, with the usual guest fee of \$1 paid at the door.

Weathered Wagon Provides Mystery for History Students at Salton Sea Base

Far back in the Technical Area of Salton Sea Test Base is a mystery. The mystery is a decaying, partially buried wagon, which apparently has its origin in a time prior to most natives of the area.

Once upon a time it was a fine hardwood, steel-rimmed vehicle which might have carried lumber, logs, early railroad ties or maybe blocks of salt. Salt was taken from the area prior to 1907, the date when the Colorado River broke into the below-sea-level valley and made today's Salton Sea.

An exploration trip to the rotting remains was made recently by Lloyd R. Wilson of Salton Sea Administrative Division. He found the wagon in shifting sand several hundred yards from a road. Automobile tire tracks indicated that other Salton Sea-ites had visited the scene, but there was little indication of anyone touching the wagon for perhaps 50 years.

Or is it 50 years? Time in the

George A. Landry Retires After 43 Years With W.E.

George A. Landry, former President of Sandia Corporation, and more recently Vice-President in

charge of Purchasing and Traffic of Western Electric Company, retired Sept. 30 after 43 years of service with Western.

Mr. Landry has been on leave of absence from the Western Electric Company since last spring to serve as assistant director in the Office of Defense Mobilization in Washington, D. C.

President of Sandia Corporation when it was founded in November, 1949, Mr. Landry served here until 1952 when he returned to New York.

He joined the company in 1911 after graduating from the University of Vermont. He has held important positions in manufacturing including that of operating superintendent at the Hawthorne Plant in Chicago and division manager of Specialty Products Shops at the Kearny, N. J., Plant.

At the outbreak of World War II he was associated for a year with the Office of Production Management, later known as the War Production Board. In 1945 he became operating manager of the Company's nationwide installation forces.

He continues to live at his home in Summit, N. J., and commutes to his post in Washington, D. C.

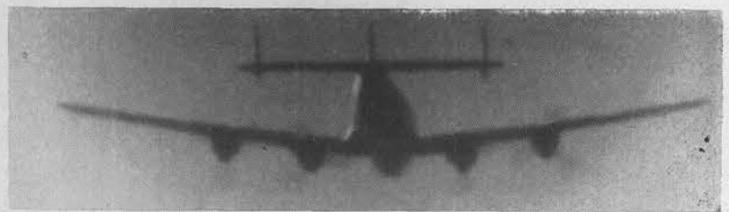


George A. Landry



Lloyd Wilson —how old is old—

desert is a measureless thing. The story of the wagon, its owner, and its desertion is buried in the sands of the Coachella Valley and the passage of years.



SCIENCE AT WORK—Shown left is a camera which was subject of a talk given this week by George Economou, 5224-1, before the Society of Motion Picture and Television Engineers. Developed by Economou and other Sandia engineers and technicians, the twin 12-inch telescope has a radar refocusing device and is mounted on a 3-inch naval gun mount. It is used in tracking ballistic objects. Above is a picture of a TWA Constellation taken by the telescope camera at 20,000 yards—more than 11 miles.

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Telephones: Sandia Base Extension 25253 or 26135



The Beginning—Not the End

This week marks the closing for 1954 of Sandia Corporation employees' most ambitious community enterprise—the annual Community Chest drive. Elsewhere in this issue of the **Sandia Lab News** is a report of our performance in this venture.

Probably, it is with relief that several hundred folks here look upon the near completion of fund-raising activities for Red Feather agencies. Uncounted numbers of Sandians have spent long hours of hard work making this drive an effective operation.

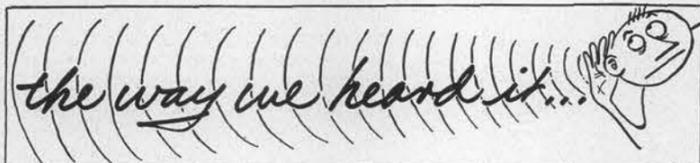
This business of rendering community service is not a "one-shot" endeavor here at Sandia for there remain hundreds who are going to continue giving time and talents for a better city.

To these folks who are serving their fellow citizens we say "congratulations and keep up the good work."

There is, however, an extra message for those people whose present interests do not extend beyond their own personal problems and tasks. Wendell Willkie was one who deplored the impracticability of living only unto one's self, even if that "one's self" is an entire nation. He told of this in his book "One World."

The head-in-sand solution to community problems is becoming more unpopular with civic-minded Americans who are looking to the future world in which their youngsters will live.

Americans are often reminded that they have nothing to complain about in political matters if they do not vote. The same test should be applied before we criticize the civic, social or spiritual organizations to which we belong, or whose advantages we share. The best way to help is to step forward and accept leadership, whenever and wherever you find a good cause to champion.



Match This?

The Community Chest newsletter published during each year's drive calls attention to the Sandia Corporation young lady (unnamed) who is supporting her husband while he attends the University and still found it possible to give \$24 to the Red Feather drive.

Come Again?

Sandians who put on their sport shirts, light shoes and cool trousers to drive into Salton Sea area of California to reach Sandia Corporation's test base are always taken aback by the access road sign "Caution—Snow Plow." All you can see is sand dunes and heat waves. They probably keep the snow plow in a two-car mirage.

Shopping Dis-senter

Julius "Rick" Buss, auditor in 4311, felt the tables had been cruelly turned for him last month when his SANDIA LAB NEWS for-sale ad appeared instead under the "wanted" column. Envisioning a whole backyard full of 1937 Buicks Rick hurriedly pointed out the error and submitted a new ad for this issue.

Coming Up

Possible future stories for the SANDIA LAB NEWS: The great uranium venture; The dikes of Holland a la SSTB; Research faster than sound; The man who played in Carnegie Hall. What do you suggest?



WILBERT RAY WOOD, 5211, and his bride, the former Annette Christiansen, were married Sept. 21 at First Methodist Church. This picture was taken during the ceremony by the bridegroom's co-worker, Dean Heath. Following a honeymoon in California, the Woods are at home, 1112 Lopez Road NW.

around the departments

Leroy Hassebroek, 5542, devoted his vacation to covering the rodeo at the State Fair with his camera—several of Leroy's photos appeared in the downtown papers. Charlie Stuart, 5542, and his family, enjoyed a fall holiday in Los Angeles, Calif., and Las Vegas, Nev., recently; Jim Quillin's fellow workers in 5542 are wishing him a quick recovery from an illness of several weeks.

A. Burton Metzger, 3170, and Mrs. Metzger, returned this month from a vacation at the Broadmoor in Colorado Springs.

From 1284: George Neun and George Lemmon are new car owners—Neun has a turquoise and cream Chevrolet and Lemmon's is an Olds 98, blue and white.

Among Albuquerque's newest home owners are Liz, 2231, and Bob Davis, 2414, who've settled at 3308 Alvarado Dr. NE; ditto for Ruth, 2231 and Ralph Gustin, 2234, now headquartering at 712 Adams SE.

Gene, 2231 and Art Redlinger, 2545, enjoyed a visit from their son, Edward, home on leave after a tour aboard the carrier "Boxer." Edna Miller, 2231, visited friends in colorful Oak Creek, Ariz., during her recent vacation.

Pat Mahoney, 2472, his wife and son, spent a pleasant two weeks motoring through Colorado, visiting Denver, Alamosa, Berthoud Pass and Climax.

The William W. Olheisers, 2415, returned this month from a sight-seeing trip by train to Washington, D. C., and a visit with relatives at Pittsburgh, Pa., and Atlanta, Ga.; W. N. Bullock, 2412, and his family spent most of their vacation completing one large room of their new cabin in Ponderosa Pines in the mountains east of the city. The first five days of their holiday they visited Colorado Springs and Mesa Verde.

Dr. Robert J. Hansen, associate professor of structural engineering at Massachusetts Institute of Technology, and a consultant to the Laboratory since 1949, is again here in the Land of Enchantment for a brief stay. He's working in 5110.

Irma Buffet, 5111, is back from a two-week vacation in Iowa, Nebraska, and Cheyenne, Wyo., where she visited her son who is back from military duty in Europe.

Lynn E. Castle, 3124, and Mrs. Castle returned recently from a vacation west, including the Oregon and California coasts, Yosemite, Death Valley and Oak Creek Canyon. Jean Gillette, 3124, and her husband are back from a short sojourn in El Paso and Mexico.

Sam Smith, 2232, and his wife are vacationing in St. Louis where Sam's planning to make a few side trips during duck hunting season; Ted Starr, 2232, is back on the job after recuperating from illness.

In celebration of her 90th birthday, Kerner Kersten's mother will fly to Albuquerque Oct. 31 and Kerner, 1713, and his sisters are planning a big party for her Nov. 3. Kerner says his mother hasn't been within gunshot of an airplane before, and she's looking forward to the experience.

Margaret Sylvanus, 1925, is enjoying a motor trip to Calif., stopping en route at Phoenix to visit friends.

Another birthday celebration is taking Marion Fogg, 1722, to Mineola, N. Y., where she'll join her mother on her 75th birthday anniversary. Miriam Furches, also 1722, is back on the job following recent surgery.



Photo by Dunlap

HALLOWEEN IS A NIGHT for ghosts, goblins, black cats—and pretty girls. Joan Esberg, 2362, lights her jack-o-lantern to fend off weirdies.

Art Hopper, 4153, and family are moving soon into their new home in Princess Jeanne Park.

John Berger, 2452, his wife, Irene, 2561, and his parents from Trenton, Ill., toured many of the scenic points of the state during the elder Bergers visit to the southwest.

Mary Buck, wife of Richard A. Buck, 1622, and a former music teacher in Washington, D. C., will start a music appreciation class for children at her home in Hoffmantown.

One of KGGM-TV's newest shows is "Helpful Hints for Homemakers" featuring Dusty Woodall, wife of Sherrill Woodall, 1641. Dusty appears on Mondays at 3 p.m. with suggestions for parties, club meetings and showers, along with decorating advice and cooking tips.



EXPLORING the Taos country on a recent weekend jaunt were these Sandians from AEC, top to bottom, Dorothy Current, Valerie Gault, Patricia LaBadie, and Emma Pretti. Photographer was Ova Royal.

Among Boy Scout leaders at last week's annual Fall Camporee for scouts of the Sandia District, held at Juan Tomases Ranch east of the city, were Bob Buehler, 5133, assistant scoutmaster, Troop 188, and Harold Howard, 1243, a scout committeeman.

Terty Miller, AEC, is vacationing in Kokomo, Ind., for three weeks; Ned Meyer, AEC, and his wife, Marty, 1925, enjoyed a brief trip to Arizona's painted Desert recently.

From 1932: hunting deer near Hondo, N. M., last weekend were Frank Rivera, Elvin Beezley and Adam Trujillo; Jim O'Connor vacationed in Denver, Mountainaire and Socorro; Tom Vigil took a fall holiday to Lupton, Arizona, and Gallup, N. M.



BOB DEVORE presents a scroll and sheepskin to Bill O'Neill from his co-workers in 5540, marking Bill's transfer to 5530.

Bob Knapp, 1730, and his wife are planning a trip to Rock Island, Ill., visiting friends in Kansas en route.

Opening of deer season Nov. 6 will see John Sundberg and Cliff Boxx, both 1713, heading for the Manzanos.

A family wedding in Denver took the C. A. McKeever, 1713, to the mile-high city recently.

Economical Protection Found In Sandia's Insurance Plan

Those who are participating in the Sandia Corporation employee Hospitalization-Surgical Insurance Plan have excellent protection against financial hardship as the result of prolonged illness. It is conceivable that the insurance company could pay thousands of dollars to help meet the expenses of an injury or sickness of an insured employee or member of his family. All this protection for the price of a pack of cigarettes a day!

The Sandia plan was drafted by a committee of Sandia Corporation employees and is now presented to all Sandia employees by the Equitable Life Assurance Society of the United States. This company is the second largest group insurance writing company in the world, inaugurating the first group insurance plan back in 1911.

The 7 billion dollars of assets of this company back up the liberal benefits found in the Sandia plan.

Liberal—Economical

These benefits, partially explained in the box accompanying this story, are as liberal as the committee could write and still keep the cost of the plan reasonable. This policy, if it could be purchased individually and not in a group plan would cost considerably more and the purchaser would have to prove that he was insurable.

No medical examination is required for either employees or dependents. All benefits apply the same to employees and dependents.

Members of the insurance committee call attention to the fact that the deadline for enrollment in the initial period is Oct. 31—only a few days away. Those employees who do not enroll by that time will have to wait until June, 1955, before joining the plan.

Will you and your family have hospital and surgical bills between Nov. 1, 1954, and June, 1955? If you think there is a chance this might happen, you will be wise to purchase this economical and adequate protection.

Remember the deadline: Oct. 31, 1954.

Another in Series Of Hi-Fi Concerts At Club Oct. 26

Another in a series of Hi-Fi concerts will be held at the Coronado Club main ballroom on Oct. 26 at 8 p.m. The October concert is programmed with requests phoned in to the entertainment committee.

Included among the numbers on the program are: Tchaikovsky's "Capriccio Italiane," Beethoven's "Two Romances for Violin and Orchestra," "Largo al Sactotum" from The Barber of Seville, selections from Lehar's "Merry Widow," and Mendelssohn's Symphony No. 4.

If sickness strikes your family, will you be prepared to pay the hospital bills? Even if they are hundreds of dollars?

Will you be able to pay surgical expenses? Drugs? X-rays? Doctors' calls while you are in the hospital? Or, would a prolonged illness force you to use up your savings and go into debt, perhaps seek the help of others? Complete peace of mind can be yours if you have adequate insurance.



IT'S A LONG, LONESOME ROAD—Paying hospital and surgical bills, especially when you "go it alone," can be a discouraging and burdensome task. More than 3,800 Sandia Corporation employees have enrolled in the Group Hospitalization and Surgical Benefit Plan which will ease considerably financial strain imposed by any sickness or accident. Are you going to prepare for the future? Enroll before Oct. 31.

around the departments



AL MARRS' FRIENDS decided that wedding showers should not be restricted to the girls, so they feted the bridegroom at a pre-nuptial party Sept. 29. Among those enjoying the fun at Herb Plagge's home were, back row, L to R: Larry Smith, Bob Hendrick, Frank Goss (father of the bride), Bob MacArthur, Wally Jungmeyer, Ken Tiede, Phil Arnold, Gordon Miller; front row, Jack W. Reed, Herb Plagge, Al Marrs (note "shower" cap) and Bill Walker. Al and Marian Goss, 5242, were married Oct. 16 and will be at home, 206 Aliso Drive NE, after a two-week honeymoon.

Dorothy White, 1925 (5310) is vacationing with relatives in Chicago for two weeks.

Julie Leal vacationed last week from 1931 to entertain guests from California; the R. K. Allens, 1931, are sporting a new Dodge; Margaret Smith and Violet Bernard, both 1931, have found a new hobby, ceramics—they're taking lessons from Arlis Gruenoch of their division.

Louise Klopolsky, 2113, and her husband vacationed in Cherokee, Okla., where they attended the wedding of Louise's niece; Virgie Haverty, 2111, and her husband recently took a trip to Las Vegas, N. M., and Amarillo, Tex., visiting their son and his family at Roswell, N. M., upon the return trip. Barbara, 2112, and Joe Moody, 1651, spent their fall holiday in Las Vegas, Nev.



HIJINKS AT the Sandia Toastmasters Club recent installation of officers saw Don Jenkins, 3154, new president, hefting this out-sized gavel made by E. Lee Deeter, 5430, area governor and installing officer.

John Magistad, 5131, and his family are home from an exciting few weeks in Hawaii.

Some interesting letters are arriving from France for Manie Grae Daniel, 2464, and her husband, T. S. Daniel, 1732. Their son, Charles, a UNM graduate last spring, is now studying writing at the Riviera following summer work at the Sorbonne in Paris.

W. P. Dupree, 2223, and his wife have moved into their new home at 632 Ortiz Drive SE.; among the new vehicles owned by members of 2223 is a green jeep for "Cap" Carmody, who plans to use it as a mobile radio station and for rock hunting.

Red Cross on TV

From the Red Cross comes word that the national organization is sponsoring the filming of a movie which will be shown on a 15-minute national television show. A portion of the film will include the class of Nurses Aides now completing an 80-hour course at Sandia Base hospital.

Sympathy

Sympathy is extended to Jerry Gibson, 3154, whose mother died last week in Dayton, Ohio. Jerry went east for the funeral.

His fellow-workers express their sympathy to Teddy Chavez, 2232, whose father died recently.

Sympathy is expressed to Wally Smith, 4153, and his family for the death of Mrs. Smith's father who resided in Houston, Tex.

Bruce Barth's associates in 1241 extend their sympathy for the death of his father at Edwardsville, Ill.

The 2100 organization extends sympathy to Henry Saavadro, 2112, whose mother died recently.

Sympathy is expressed to Theodore Barry, 2122, for the death of his father in Michigan.

His fellow-workers express their sympathy to Harold Isenhauer, 2122, whose mother died recently.

coronado club



Oct. 22-Nov. 6

Sun., Oct. 24	Mon., Oct. 25	Tue., Oct. 26	Wed., Oct. 27	Thurs., Oct. 28	Fri., Oct. 29	Sat., Oct. 30
Open	Chess Night 7:30-10:30	Hi-Fi Request Concert 8-10	Bingo 8 p.m.	Duplicate Bridge 7:30-10:45	Social Hour 5-6:30	Halloween Costume Dance 9-1
Sun., Oct. 31	Mon., Nov. 1	Tue., Nov. 2	Wed., Nov. 3	Thurs., Nov. 4	Fri., Nov. 5	Sat., Nov. 6
Buffet 5-7 MBC Trio 7-10	Square Dance Classes, 8-10:30 Chess Night 7-10	Open	Bingo 8 p.m.	Duplicate Bridge 7:30-10:45	Social Hour 5-6:30	TONY PASTOR DANCE 9-1

EVENTS



THE TOTAL'S UP—C. W. Campbell, Sandia Corporation's Red Feather chairman, recently reported the progress being made by Sandia Corporation employees in the Community Chest drive. Looking on, and apparently happy about the results, is Jack Stromberg, Albuquerque's drive chairman. Since that report, our total Red Feather contributions have gone up to \$40,035.30.

Sandians Who Serve

This is the third of a series of articles describing the community activities of Sandia Corporation employees.

Bessie Passmore, 1644— Youth Leader

Work with youth groups in the First Baptist Church has been a rewarding experience, and a responsibility, for Bessie Passmore. A former department director of the junior division of her church, Bessie for several years has devoted two or three evenings a week to supervision of the evening program. Twice a year she assists on a week's concentrated night study course. Although she is no longer director of the junior group, Bessie still teaches a Sunday School class for 12-year-old girls and is active in general projects at First Baptist. Bessie explains that her granddaughter, 17-months-old Renona Ann Hendryx, occupies much of her off-work time now. Renona and her mother live with Bessie at 1906 Walter SE while Mr. Hendryx is on military duty overseas. Bessie's son, Henry Passmore, formerly of 3153, is with the U. S. Navy and stationed at Treasure Island, pending overseas assignment.



Robert W. Higgins, 1917— Busy Citizen

Civic work, a church club, membership in the Jaycees and an Air Reserve Squadron, plus rose-growing as a hobby keep Bob Higgins a busy citizen indeed. Bob's a member of the Citizens' Committee, also a member of the Citizens' Committee for Eisenhower. He and his wife, Pat, 1925, belong to the "Round-up Club" at First Presbyterian Church and share an active interest in the Albuquerque Rose Society. Their entries at both the 1953 and 1954 State Fairs were ribbon winners and this year they were volunteer workers at the fair's Flower Show. During the Jaycees' recent International Junior Golf Tournament, Bob helped prepare a barbecue dinner to fete the young golfers. A reserve officer with the 9865th Squadron, Bob lives at 3807 Hannett Ave. NE.



Weddings

Nov. 3 is the wedding date chosen by Charlotte Meldrum, 1925, and David Morrow of Albuquerque. Charlotte, a Sandia Corporation employee for more than two years, is the daughter of Mr. and Mrs. E. A. Meldrum of this city. Following a honeymoon trip to Mexico City, the couple will be at home, 734 Sunset Rd. SW.



Miss Meldrum Mrs. Volkman

Donna Peacock, 2464, an employee for the past three years, was married Oct. 15 to James Volkman, a student at the University of New Mexico, in a ceremony at St. Timothy's Lutheran Church. Donna is the daughter of Mr. and Mrs. Howard Peacock of Albuquerque. The couple is at home, 3820 Simms Court.

Mildred Cassano, 1925, and Joffre P. Myers, 1241, were married Oct. 2 and are now at home at 301 East



Mrs. Myers

DeSoto Street in Belen. Mildred joined the Corporation a year ago and Joffre has been here two years. The bride was honoree at a luncheon-shower at the Coronado Club recently.

Following their marriage Nov. 5, Joanne Pearson, 1931, and A/IC James W. Jeffress will be at home at 6709 Vermejo Dr. NW. Joanne works in 1931 and her fiancée is stationed at Kirtland Air Force Base.

Roberta Spelts, 3153, daughter of Mr. and Mrs. R. W. Spelts of Albuquerque, and Gilbert Hunnicutt of Fort Smith, Ark., were married Oct. 9 in Santa Fe. Mr. Hunnicutt, stationed at Kirtland Air Force Base, and his bride are at home at 4612 9th St. NW.

Ski Fans Look to New Season; First Get-Together Nov. 1

A regular meeting of the Albuquerque Ski Club will be held at 7:30 p.m., Nov. 1, at Leonard's Restaurant in Albuquerque.

Plans for an active ski season will be made during the meeting and all interested skiers are urged to attend. Ski movies will be shown. Further information may be obtained from Art Eldridge, 1652, Alb. 5-2703, and Dorris Ehret, 5132, Alb. 2-4157.

Promotions

HOWARD E. VINEY to manager of Department 5540 which formerly had Wm. O'Neill as department manager. Mr. O'Neill now heads the newly formed Department 5530. Mr. Viney, who came to the laboratory in August 1948, previously worked for International Telephone Company in New York as a senior project engineer in electronics design. A graduate of the University of Colorado, he holds a B. S. degree in electrical engineering. Howard is a member of the American Institute of Electrical Engineers and is secretary of the local chapter of the American Society for Quality Control.



DAVID F. LANGE to supervisor of section 2562-1. He came to Sandia Corporation in June, 1952, after graduating from the University of New Mexico with a B. S. degree in electrical engineering. Before entering college, Dave was with the U. S. Navy for six years where he was assigned to submarine duty. Previously he had worked for four years in the Philadelphia Navy Yard. Dave, whose home town is Audubon, N. J., is doing graduate work at UNM.



ELMER WHITE to supervisor of section 1612-2. Elmer, a graduate of the University of New Mexico with a B. S. degree in Civil Engineering, came to the Corporation 2½ years ago. He saw military duty in the artillery for 3½ years with the U. S. Army before entering the University. A member of the Society for Experimental Stress Analysis, Elmer is a native of Weirton, W. Va.



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Welcome! Newcomers

A welcome is extended to the following new-comers who joined the Corporation between October 1, 1954, to October 13, 1954

- George Peterson 1240
- Harry P. Wheeler 1612
- Domine R. Bontempi 1643
- Phyllis N. Carter 1643
- George F. Miller 1643
- Robert M. Ellis 1723
- Gloria M. Gonzales 1924
- Patsy R. Barboa 1925
- Janet R. Cox 1925
- Ruby J. Edson 1925
- Maxine E. Gatlin 1925
- Iris C. Stripling 1925
- Barbara L. Weaver 1925
- Kathryn H. Wright 1925
- Colleen M. Ramsey 1925
- Betty L. Reddy 1925
- Darrell A. Joyner 2122
- Stephen T. Today 2151
- James P. Read 2151
- Joan M. Blodgett 2222
- Norma J. Voitle 2222
- Loretta M. Luba 2361
- Eleanore J. Maxwell 2362
- Esther L. Vigil 2362
- Cora B. Wright 2362
- Frank J. Suazo 2419
- Bernhardt R. Lorenzen 2443
- Calvin L. Jackson 2452
- Doris L. Galloway 2471
- Norman L. Zitwas 2541
- Lily A. Katzenstein 2544
- Richard M. Stolzenberg 2545
- Thomas T. Kirley 2561
- Maryin R. Hunt 4135
- LaVina B. Kite 4233
- Carol L. Holmes 3153
- Howard H. Wicke 5130
- Asher D. Kantz 5143
- R. A. Moreland, Jr. 5241
- Fay E. Rowton 5241
- Leeland H. Hogue 5410
- James R. Collier 5513
- Reid R. Samuelson 5521
- Larry E. Horner 5521
- Jose A. Chacon 5542

Congratulations

BORN TO:

- Mr. and Mrs. John Banister, 5111, a son, John, Jr.
- Mr. and Mrs. H. L. Milligan, 2533, a daughter, Andrea, Oct. 5.
- Mr. and Mrs. Martin Corney, 2531, a son, Lee Bennett, Oct. 7.
- Mr. and Mrs. T. A. Allen, 2231, a daughter, Lisa Carol, Oct. 4.
- Mr. and Mrs. R. N. Carpenter, 5542, a son, Richard Lee, Oct. 3.
- Mr. and Mrs. Julian Torres, a daughter, Oct. 11.
- Mr. and Mrs. Jim Talley, a daughter, Mary Jo, Sept. 29.
- Mr. and Mrs. B. G. Neeld, 5111, a son, Terry Roger, Sept. 28.
- Mr. and Mrs. J. W. LaBrier, 2235, a son, Ronald William, Oct. 11.
- Mr. and Mrs. Fred Leslie, 2122, a son, Oct. 13.

News From the Field Of Atomic Energy

Dr. Robert Brodie, a physics professor at the University of California, has announced completion of two special cosmic ray "filters" which he will use to study powerful atomic radiations from outer space. (San Francisco Chronicle.)

Scientists, at the request of a manufacturer of dishwashers, have used radioactive phosphorus to work out the best combination of detergent, water temperature, spray and rinse to cleanse dishes of egg deposits. (Philadelphia Inquirer.)

G. I. News—

From Sandians in The Armed Forces

Stuart E. Shew writes from Fort Hood, Texas, that he expects to return to the Corporation next May following completion of his military tour. Stuart, formerly in 1644, is receiving the SANDIA LAB NEWS regularly and enjoying news of his fellow Sandians in the armed forces. His address is:

Cpl. Stuart E. Shew
US 54124397
H/S Company 13th Tank Bn.
1st Armored Division
Fort Hood, Texas

Edward G. Paboucek, on military leave from 1643, is stationed with the Far East Command in Japan. He writes that he has about 14 months of active duty to serve on his enlistment and intends to return to the Corporation at the end of that period. His address is:

Cpl. Edward G. Paboucek
RA 18493489
71st Engr. Co. (Fld. Maint.)
APO 547
San Francisco, Calif.

Sgt. Harlan Richardson, formerly of 2460, writes back to Sandia that he is leaving Korea after about two years service there and will be discharged in about a month. He plans to come back to Sandia Corporation to work. He was just recently promoted to sergeant.



F. M. Whiteman

Ohio, where he had been employed by the National Tube Co.

He is survived by his widow and four sons, ages 2, 7, 9 and 18. Mr. Whiteman, who was born in Vermillion, Ohio, April 14, 1912, had been on sick leave for two weeks prior to his death.

Dwight H. Fowler, 2133, died Oct. 5 at Kaiser Medical Foundation in Los Angeles, Calif., after a lengthy illness.

Born May 7, 1892, in Hutchinson,



D. H. Fowler

Kansas, Mr. Fowler had resided for many years in Albuquerque where he was assistant service manager for Korbers. He joined Sandia Corporation in January, 1949.

He is survived by his wife, a 15-year-old son, and two married daughters. The family residence is at 1220 Vassar St. NE.



INSURANCE TALK—Sandia Corporation employees at Salton Sea Test Base heard the Group Hospitalization and Surgical Benefit Plan explained in a series

of meetings recently. David S. Tarbox, 2350, representative of the Insurance Committee, and Randy Fry, of Equitable Life Assurance Society led the meetings.

BEST LIGHT OF ALL!

**Buy U.S. Savings Bonds
REGULARLY.**

This may be New Mexico's Strangest Indian Mystery

Gallina's Timeless Towers Beckon Sandian

They apprehended fat Joe Arrellano near the Governor's Palace in Santa Fe, squatting on the sidewalk with a row of curious black-and-white pottery racked out beside him.

The squad car stopped, and Joe was still grinning over a sale he'd made, when the cops got out, picked up Joe, picked up his strange pointed pots, and trundled the surprised Indian to jail.

"Por que?" Joe wanted to know. He rustled about in his shirt pocket for a minute, and his thick hand emerged clutching a Santa Fe peddler's license. "I got a license," he protested. "What'd I do?"

The desk sergeant looked at the old pots—their curious pearl-white markings glowing under the desk lamp—looked at Joe, looked back at the pots again, and said slowly as though to a child: "Mi amigo, you have violated the Antiquities Act." Then the sergeant moved the round-bottomed pottery to the office safe with what—to Joe—seemed unnecessary care and gentleness. Then he locked the door. "Evidence," he told Joe, "evidence that you tried to sell ancient relics of another day."

Quien Sabe?

The prisoner shrugged. So they wanted to keep his pots. So what? He'd found the pointed pots near Deadman's Lookout in the high Jemez, and he'd made a few dollars selling them. So what? Was that truly a crime?

He winked at the sergeant, as they booked him, and he lit a cigarette with his accustomed aplomb. Then he started thinking: When they let me out of here, I'll spend a few pesos for tacos and tortillas, quien sabe? Life was good, Joe thought, even when the jail doors banged behind him . . .

Joe Arellano, whether he knew it or not, had set in motion that hot March day in Santa Fe, 1934, a train of events that was to lead prominent archaeologist, Dr. Frank C. Hibben, to a new cultural discovery, and Sandia's Eaton Draper, 1240, to a new and lasting outdoor hobby.

Draper, an amateur photographer in natural color, learned of Joe Arellano and the lost stone towers of Gallina second-hand, yet since he first learned of the mysterious unknown world beside the shallow quicksands of the Gallina River, he has set about unravelling the hidden aspect of one of archaeology's most puzzling enigmas.

Uncover New Culture

For Joe Arellano, sage country entrepreneur, had unwittingly uncovered in the northwest Jemez mountains an ancient unknown culture, a desert city wholly alien to all known historical Pueblo peoples. Despite the passage of 20 long years, his find is still of monumental interest to archaeologists throughout the world.

Draper explains that he is—first of all—not an archaeologist. Archaeology, he says, is as much a science as mechanical engineering—he is a 1940 graduate of Colorado University—and he makes no pretensions to serious professional archaeology. But he takes pleasure in the outdoors, in eating his meals with pleasant companions under the turquoise New Mexico sky, and in archaeology as a hobby.

With his wife, Breck, and two sons, 7-year-old John, and Charles, 4, Draper has explored the lost Gallina culture on several weekends. On one occasion he was accompanied by Howard Stump of 3151.

First of all (says Draper), the Gallina stone towers represent a type of building wholly strange to the arid desert country of the southwest. The 40-foot towers are not indigenous to this area, Draper explains, showing a few of the stones whose surfaces are pockmarked with curious dimples. These are the result of numberless blows from the stone hammers and axes of the Gallina masons, Draper observes.

EDITOR'S NOTE

Fascinating indeed is the hobby adopted by Eaton Draper, manager of Sandia Laboratory's Engineering Department C.

To tell the full story SANDIA LAB NEWS staff member William H. Puder did research work in libraries, museums and talked to archaeologists, and visited long evenings with Archaeology-Hobbyist Draper in his home.

To tell the story as it should be told, Reporter Puder deviated from a conventional news-feature article.



EATON H. DRAPER
—finds "Gallina Phase" absorbing—

Each of the stones has been shaped and cut in a certain pre-designed way by people who are supposed to have lived 1200 to 1500 years ago. Mortar was used to build the square towers. Each stone was fitted into place with some chinking. Usually the towers were located on the sheer edge of towering cliffs, overlooking the vast sweep of the pine and sage-covered countryside.

Task of Archaeology

Absorbed by the mystery of the "Gallina Phase," Draper remarks on the fascination he has discovered in ferreting out the shadowy secrets of the Gallina towers and other little known and unexplained cultures. "The task of archaeology," Draper says, "is to make the past intelligible in light of what we know now." Archaeology, he goes on, must comprehend how events came to pass, and why. Archaeology is an interpretative science, he says.

That's why the Gallina area in Rio Arriba county some 100 miles from Albuquerque is so interesting to amateur archaeologists and professionals. Draper's present exploration area is located across the Gallina River valley from Deadman's Lookout, a beautifully forested section of towering pines, and successive strata of vividly-colored sandstones which look—Draper says—like Neapolitan ice cream. "It's a readily accessible place, and one of several outstanding New Mexico picnic sites I've seen."

Here, surrounded by the unchanging countryside of the Santa Fe National Forest, stand the towers of Gallina. Most of the towers are impressive stone structures, 20 to 40 feet high, and 24 feet square; they contain no windows. They were evidently defensive bastions and watch towers against waves of attacking forces.

Mysterious Attackers

Who were the attackers? No one knows. But at the time these lost Gallina peoples were alive, Draper says, they were attacked suddenly, treacherously, murderously. In each of the towers, when they were first excavated in 1934 and since, were found the carbonized, charcoal remains of human beings who were incinerated as they ate their last meal; burned to death with terrible suddenness.

Remarkable to the culture—and the singular feature which brought about

Joe Arellano's downfall, are the curious shape and markings of the Gallina pots. Top-shaped, the bottoms descend to a rounded point. This round bottom, Draper points out, was to permit the Gallina people to place the pot directly into the soft charcoal embers of their corner fire-pits.

Along with their strange pots, the Gallina people made use of food bins, which were naked holes in the ground, topped with baked adobe lids and handles. Draper has found some of these lids, and other artifacts, in his weekend explorations of the area. The Gallina people laid flagstone floors, wove rattan baskets, and entered the towers from the ceiling. There were no doors in the Gallina house!

Though each of the tower groups numbers only three or four family units crowded along the cliff edge, the identical towers are scattered at an altitude of 7 to 8 thousand feet over an area of 40 square miles. Some 4 to 6 thousand people lived in a circle bounded by the Jicarilla Apache Indian reservation, the Chama River, Jemez and San Pedro mountains, and the continental divide. The puzzling aspects of the Gallina culture, Draper observes, are that all of the towers—once impregnable fortresses on the edge of cliffs—were attacked simultaneously, each without warning, and each attack was consummated by ultimate physical savagery and roaring flames.

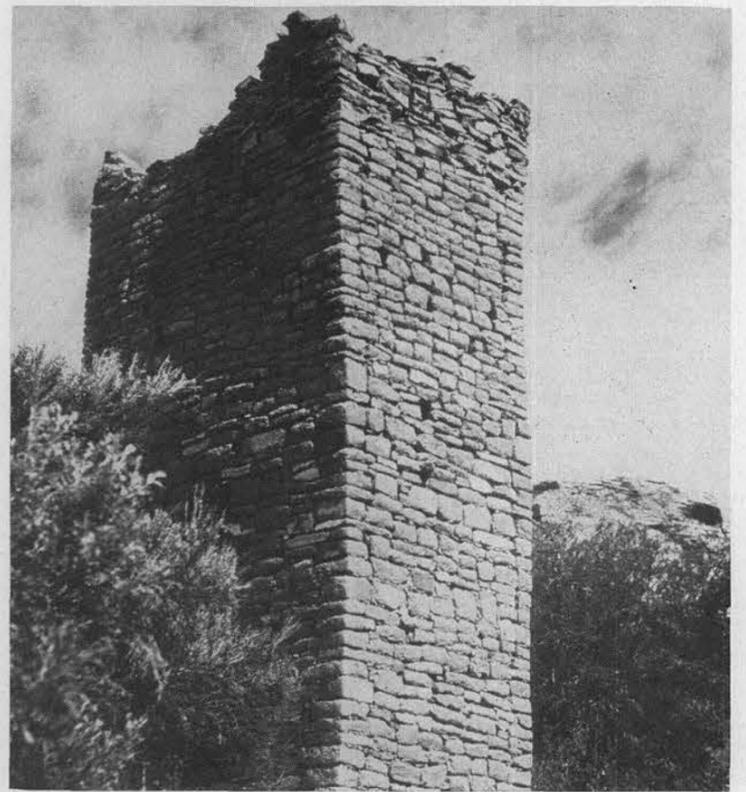
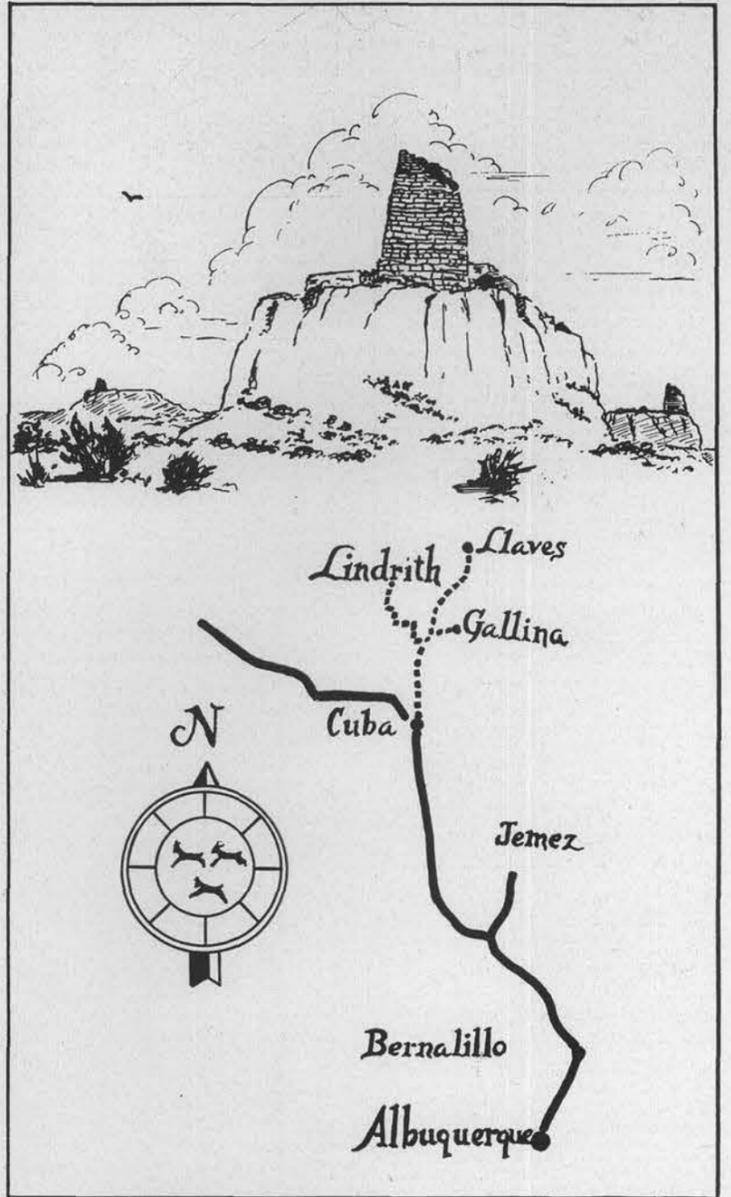
Militarily, the experts say, the attacks could not have been executed as it appears they were. It would be impossible to surprise the Gallinians.

Plains Indian Raids?

Then, what happened? Draper reports that Dr. Frank C. Hibben, of the University of New Mexico, has conjectured that the Gallinians were exterminated by savage raids of the predatory Plains Indians. Ears of prairie corn, some 14" in length, have been unearthed in the Towers, and it is accepted archaeologically that corn cannot be grown along the Gallina River basin.

As Dr. Hibben says, some ancient Pueblo people may have attacked the towers. This theory is not generally supported because Pueblo cultures have been considered peaceable and friendly through the ages.

The survivors of the Gallina phase, Draper suggests, might be the build-



SOMBER REMINDERS of a tragic past are the Lost Towers of Gallina, recently explored by Eaton Draper and other Sandians who have made archaeology their leisure-time hobby. Each of these stones was cut, shaped and laid by primitive masons using crude stone tools. The way these towers once looked is thought to be typified by this tower in the Hovenweep National Monument in the four-corners area.

ers of famed Hovenweep ruin on the Colorado-Utah border.

If you'd like to share some of the exploring thrills that Eaton Draper and his family have experienced, take U. S. Highway 85 north to Bernalillo some weekend, turn left at the big 'V', and go north on State Route 44 through La Ventana and Cuba, from whence a gravel road runs northwest to Regina on State Highway 96. Turn left there for the next few miles on Highway 95 to Llaves, a sleepy adobe village in the heart of the Gallina Country. From here, you'll have to walk up Llegua Canyon or Nogales Canyon or along the road to Deadman's Lookout. There you'll see the dwellings.

It's possible to make a neat circle trip on the tour, Draper says. After

picnicking at Deadman's Lookout, you can drive slowly along the rim of the world, through Tapicitos, to Park View, past the sparkling northern tip of Lake El Vado, back again to Albuquerque on U. S. Highway 84, through Espanola, Pojoaque and Santa Fe.

Excavation work still goes on at the site of the Gallina Towers, Draper says, and he plans to return to the banks of the Gallina shortly. Sandia's engineer and amateur archaeologist says he's visited many places in New Mexico and the southwest, but claims that this drive through the rugged Jemez and San Pedro mountains will take your breath away.

Quien sabe? Draper asks. You might even find one of Joe Arellano's pots.

shopping center

The Shopping Center is for Sandia Corporation employees and employees of the AEC on Sandia Base and it is a free service. To submit ads, just write down on a card or piece of paper what you want to advertise in 20 words or less. Indicate whether the article is "For Sale," "Wanted," "For Rent," etc., and write down the home telephone number or address where interested parties may get in touch with you. Include your name and department number and mail the ad to the SANDIA LAB NEWS, Sandia Corporation, Albuquerque, N. M., or send it to the SANDIA LAB NEWS through company mail after you come to work. ADS CANNOT BE TAKEN OVER THE TELEPHONE. If you prefer, you can give your ad to the SANDIA LAB NEWS reporter in your organization. Each advertisement will be run one issue. The deadline is Friday noon, a week prior to publication.

Next Deadline: Noon Oct. 29

FOR SALE—

1940 FORD Pickup \$150. Rehberg, Alb. 5-6705, 916 Alvarado Dr. NE.

PANORAMIC MANKIN home, 3 bedrooms, 1 1/4 tile baths, tile kitchen, air-conditioning, carpeting, forced air heat. Strance, Alb. 2-4611.

EASY SPINDRYER, 1951 model \$40; also 72-in. drafting table \$25. Rawlins, ext. 28198 anytime.

1947 NASH 600, 4-door sedan, new engine, radiator and paint, good tires \$225. Pruitt, 1108 Palisades Dr. NW, Alb. 3-6002.

TRIUMPH TIGER CUB 200 OHV motorcycle, 600 miles, practically new, want 500 cc machine. Burton, 1409 Las Lomas Rd. NE, Alb. 3-0317.

MOTORCYCLE, James 125 cc \$80. Darling, 3071-35th Place, Sandia Base, ext. 32266.

SPRINGFIELD deer rifle, 30-06, sport conversion, some ammo. \$40. Koettler, 907 Florida SE, Alb. 6-6904.

DUAL MANIFOLD, extra carburetor and all parts, fits Ford V8, 33-48 \$30. Dempsey, ext. 31176.

1950 OLDSMOBILE, R and H, hydramatic, whitewall tires \$895, terms. Smith, Alb. 5-6478.

UPRIGHT 17-cu. ft. United Freezer, make offer. Brannan, Alb. 5-0261.

CROSLY, 1948 Station Wagon, 35,000 miles, heater, new carburetor, paint and direction signals \$150. Rainhart, ext. 24263.

EASY SPINDRIER washing machine \$70 or best offer. Donicht, Alb. 5-5656.

MAHOGANY Duncan Phyfe dining table, 6 chairs, pad, extra leaf \$50; front door screen \$10; odd sizes venetian blinds. Lambert, Alb. 5-9630.

ANTIQUA German stein \$12.50; old cut glass decanters and butter dish; want Colt Frontier revolver. Smitha, 8607 Menaul, Alb. 6-7465.

OUTSTANDING Collies sired by 1954 international champion winner, AKC registered, shots, housebroken, \$50. De Arment, Alb. 6-0207, 1829 Kentucky NE.

REMINGTON deer rifle, 7 mm. \$20; service for four, bar crystal, shaker, etc., \$25; also have 45-rpm records, sell or trade. Lane, ext. 46242.

REMINGTON portable typewriter, case \$40; Stenotype with case \$25; 3/4 size violin \$10. Dove, Alb. 5-8169, 417 Tulane Dr. SE.

1941 NASH Ambassador, new rubber, R and H, overdrive, bed, weather-eye \$125, consider trade. Henderson, Alb. 6-8132.

WALNUT veneer dining room suite, including buffet, pad \$75; baby server adjustable table \$20; collapsible buggy \$5; Taylor-Tot \$4.50. Harp, Alb. 5-3792.

1948 SHARP Ford Tudor with new motor. Whitehill, Alb. 3-5419.

NORGE 30-gallon electric hot water heater, hardly used \$35. Glaze, Alb. 6-4258.

SIX BOXES 12 gauge Magnum shells \$2.50 per box. Bressan, 4-3152.

NINE ROOM home, 2 1/2 baths, carpeted, drapes, fireplace, landscaped, patio, pool, wall, garage, shop, storage room. Platt, 2645 Morningside, NE, Alb. 5-1973.

OR TRADE: 6 room home, hardwood floors, fireplace, located near Nashville, Tenn., for Albuquerque property. Butler, Alb. 5-1842.

FORD PICKUP, 1934 with 1941 motor, good tires, \$75. Dickinson, 2817 Monroe, NE.

1948 LINCOLN Continental, 59-A Mercury engine, new w/w tires, R and H, best cash offer. Humble, 336 Gen. Patch NE after 5.

MODEL A, 1931 sedan, 16-in. wheels, good motor, body rough \$50. Graves, 534 Muscatel NE, ext. 32145.

INFANT SIZE, snow suit, 2 caps \$2; girl's brown tweed coat, slacks, size 3, hat, purse \$10. Hobbs, Alb. 2-4745.

DRUMMER'S high hat sock cymbal pedal, professional model, like new \$10. Laskar, Alb. 3-1554.

WOLD AIRBRUSH A-2 small tank and gauges \$40. Marks, ext. 20241.

OR TRADE: 30-06 Springfield sporter, Redfield sights \$85, for .22 cal. match target Woodsman automatic. House, ext. 20241.

WESTERN SADDLE, must see to appreciate \$35. Keller, 2616 Monroe NE, Alb. 5-9805 after 5:30.

SIEBERT baby carriage \$12. Hendricks, ext. 46269 after 5.

COCKER SPANIEL PUPS, AKC registered. Randle, Alb. 6-1747.

OR TRADE: .22 model Stevens rifle, collector's item. Hanrahan, 1147 Marron Circle NE.

TWO-WHEEL TRAILER \$50, or trade for oxygen-acetylene welding and cutting outfit. Flowers, Alb. 6-1656.

A-1 SPORTERIZED Springfield, or trade for .30-30, .22, automatic pistol or rifle, .220 Swift, .222 Remington, or .257 Roberts. Johnson, Alb. 5-9443.

RIFLE, Winchester mod. 94 carbine 30-30, case, 1 1/2 boxes shells \$55. Dike, ext. 29285.

GREY virgin-wool woman's suit, size 15, original cost \$69.95, will sell for \$20, worn only once. Westcott, ext. 23280.

BOXER PUPPIES, brindle, AKC registered, 47 champions on pedigree \$75, Stouder, Alb. 6-4865.

IMPORTED GERMAN specialty stamp album, a few choice items, some unmounted items \$25. Throckmorton, Alb. 4-2234 after 6.

BOOK OF KNOWLEDGE, 20-vols. \$50, or will trade for deer rifle. Bowen, ext. 42132.

BOLEX 16 deluxe, normal, telephoto, wide angle lens, leather case \$762 new, now \$400 cash. Merrell, Alb. 6-0333.

BASSINETTE and bathinette, both for \$15 or best offer. Halpin, Alb. 4-3539.

1937 BUICK, best offer accepted. Buss, Alb. 2-5697.

SOFA, solid down, slipcovered, \$50; twin chairs, \$10. Eisenberg, ext. 27275.

17-INCH TV in mahogany console with doors, 12-in. speaker, tone control, phono-jack, \$115. Reimholz, ext. 36161, 1405 Hoffman Dr. NE.

K & E LOG LOG Duplex side rule with case and belt clip, \$15. McKesson, Alb. 5-2638.

"EL RANCHO" brand dining table and 6 padded chairs to match. Shinn, Alb. 5-5293 after 5.

1952 CUSHMAN All-State motor scooter. Fresquez, Alb. 6-1212 after 6.

TELESCOPE SIGHT to be mounted on hunting gun, 4 power. Baca, Alb. 2-5955.

WRINGER-TYPE Maytag washer \$25. Marchbanks, Alb. 4-3359.

1951 WILLYS 4-door station wagon. Gustin, 712 Adams SE.

17-in. MERCURY TV, 1953 model, mahogany finish, sacrifice for \$95, cost \$217 new. Crocker, Alb. 4-3833.

TWO-BEDROOM HOME, located near schools and bases, lawn, trees, sprinkler \$1000 down. James, 1206 Quincy SE, Alb. 6-0352.

FEDERAL photo enlarger No. 269 with 2 and 3-in. lens, all necessary darkroom equipment. Rickert, Alb. 5-6879 after 5:30.

TELEVISIONS: 10-in. Philco with new picture tube \$47.50; 12-in. Crosley table model \$45. Reimholz, ext. 36161, 1405 Hoffman Dr. NE.

WANTED—

COMPLETE ham equipment, both mobile and high power fixed station, must be good. Sanders, Alb. 6-2321.

RIDE from vicinity Central and 11th St. SW to Bldg. 880 or 892. Sally Cole, Alb. 3-2364.

RIDE from vicinity 500 Carlisle SE to Bldg. 880 or 892. Louise Goodham, Alb. 6-2117.

RIDE from 423 Harvard Ave. SE or corner Yale and Garfield to south gate, starting Oct. 25. Cappi Lynn, ext. 21240.

BICYCLE, girl's 24-in. in good condition. Darling, 2071 35th Pl., Sandia Base, ext. 32266.

BACHELOR to share furnished house with two Sandia engineers, close to Base, private room, reasonable, nice kitchen. Lønborg, ext. 32153.

WINCHESTER model 97 shotgun, 12 gauge, must be in good condition, reasonable. Summers, Alb. 5-1016.

USED CIRCULAR SAW (about 8-in. blade) with motor (about 1/2 HP), mount and planer. Brodsky, Alb. 5-8897.

RIDERS to join car pool from vicinity Coors and Central to Bldg. 892. Baca, Alb. 3-3058.

ONE PERSON to join car pool vicinity 53rd St. and Central. Sanchez, ext. 33236.

RIDERS for car pool or would like to join car pool from Valley Road, Isleta Highway or LaVega Rd. to Base. Rose, Alb. 3-7137.

ONE MORE rider from Lomas Blvd. between Girard and Wyoming, parking at Gate 4. Burns, ext. 56135.

ONE OR TWO gentlemen for room in adult home, complete home privileges. Wickett, 10020 Mathew NE, Alb. 6-4345 after 6, Sundays.

RIDE from vicinity San Mateo and Candelaria to Adm. Bldg. Pauline Van Delinder, ext. 20155.

FOR RENT—

OWNER would like to rent modern furnished room with kitchen privileges to single man or couple, garage available. Gaulke, ext. 29165.

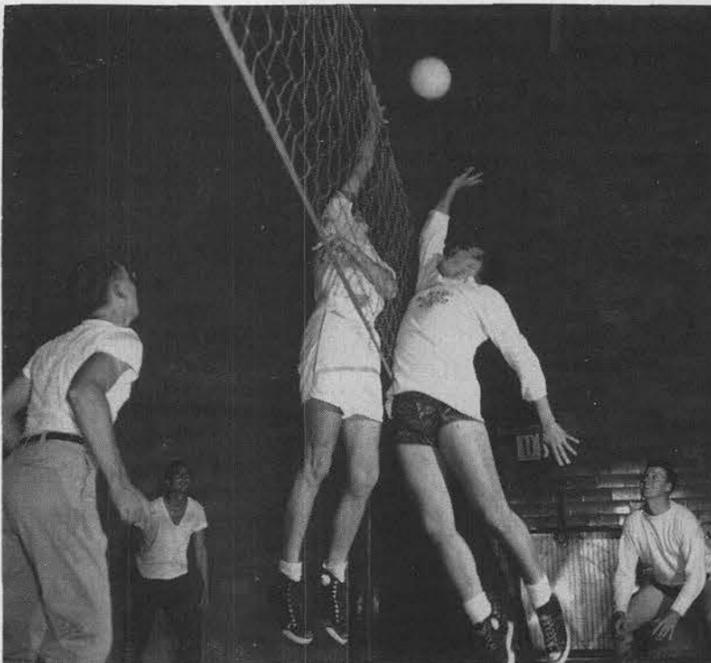
ONE BEDROOM furnished apt., near schools, shopping center. Mrs. Gibbs, ext. 25248, 4115 Roma NE.

TWO BEDROOM HOME, Bel-Air, water and garbage paid, close to schools, shopping, bus \$70. Chaffee, Alb. 6-5970.



ALL-STATES BOWLER, Neil Hansen, 3152, applies a little body English to put his ball in the 1-3 slot, as Charlie Kaspar, left, 3153, and Dale Brautigam, right,

2611, begin preparations for their next strike. The All-States keglers bowl Wednesday nights at the Coronado Club at 6:30 p.m.



UTAG-COWBOY SPIKERS meet at the net head-on during spirited play at the Old Base gym last Wednesday evening. Shown left are Utag players, left to right, Wayne Davis, 5133, and John Magistad and Jack Hale, both of 5131. On the other side of the net are, left to right, Roland Kurth, spiker, of 2221, and Harold Cushman of 2552.

Volleyball Schedule Changed to Play on Wednesday, Thursday

Play in the Sandia Employees Volleyball League continues this week, as the Grizzlies, Lobos, and Utags topped the league standings in a three-way tie for first place.

At a managers' meeting held last Monday morning, it was announced that volleyball play, conducted customarily on Wednesday nights of each week, would be changed to an indefinite schedule of Wednesday or Thursday evenings. Team managers will be notified of time and dates of volleyball matches.

Teams entered in the League play include the Grizzlies, Lobos, Cougars, Utags, Pioneers, Cowboys, Aggies, and Redskins.

ONE BEDROOM apartment, furnished, all utilities paid \$70, 5 blocks from north gate, available Nov. 1. Austin, Alb. 6-3079.

HOUSE, two bedrooms, Coors Rd., ideal for raising chickens, stock. Baca, Alb. 3-3058.

MODERN 2-bedroom home, hardwood floors, acre of land, need someone to maintain this home \$45 mo., furnished. Thompson, Alb. 6-7042.

FURNISHED 2-bedroom house, \$65 month. 3821 11th St. NE. Silva, Alb. 2-4934.

TWO-BEDROOM HOUSE, garage, lawns, outlet for electric stove, fenced yard, \$78.50, water and garbage paid. Gay, Alb. 5-3022.

ONE-BEDROOM furnished apartment, no children or pets, 3544 Smith SE. Hunter, Alb. 5-8983 after 5.

TRADE—

KODAK anastigmat 6 1/2 (162 mm) F:4.5 in barrel with iris, for enlarging lens with same mounting and approximate focal length. Ansley, Alb. 3-0735.

MISCELLANEOUS—

DRIVING to San Francisco week of Oct. 24 or 31, take one or two, share driving and expenses. Benderman, Alb. 3-0612.

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



Sports photos by Hodges
A KEGLER'S CONCENTRATION is written on the face of "Tommy" Thompson, 5225, as he spins a ball down the Coronado Club alleys. In the background, Charlie Kaspar, 3153, sizes up a 7-10 split.

Toys for Tots Are Sought by Marines

It's just about Christmas time and that means it is time for Toys for Tots. The 57th Special Infantry Company of the Marine Corps Reserve is making it a personal obligation to see that every child in the city has a toy for Christmas.

If you can help with the gift of old toys call the Marines' telephone number, Alb. 3-9988, and your donation will be picked up. The toy mechanics also report that they need tools with which to repair the damaged donations.

The Marines have learned that there are about 8,000 underprivileged youngsters in Albuquerque. They are everyone's responsibility, not just this Marine company.

Coin Club Plans Auction Oct. 25

The New Mexico Coin Club with a large membership of Sandia Corporation employees will hold its regular monthly meeting on October 25 in Room 213 of Mitchell Hall at the University. Time of the meeting is 7:30 p.m.

President of the organization, Harry Hunter, 2551, says that an auction of coins will be main business at the meeting.

Members are asked to submit coins to the Auction Committee prior to the meeting, so that the coins may be mounted and an auction pamphlet prepared.

Finish This Square Dance School—Get Graduate Diploma

A series of Square Dance instruction classes will be held at the Coronado Club, beginning Nov. 1, and continuing for five weeks.

Classes will meet from 8 to 10:30 p.m. in the main ballroom. W. E. 'Doc' Rehbeck, 2544, will call for the dances, and act as instructor. Tickets will cost 50 cents each for members, 75 cents each for non-members.

'Doc' Rehbeck is well-known for his courses in square dancing. 'Doc' has taught more than 900 people over the past six years. His lessons feature printed instruction sheets for each square.

He will also provide instruction in the Schottische, the Polka, and the Varsovianna during the current dance series. Diplomas will be issued to all graduates of the course.

Council Directors Meet at Club Nov. 3

The Board of Directors of the New Mexico Council of Technical and Scientific Societies will hold its regular monthly meeting at 5:15 p.m. Nov. 3 at the Coronado Club.

The American Welding Society recently affiliated with the Council.

Bowling Bits

The Apaches, Sioux and Navajos led the Indian League at the Coronado Lanes with the Apaches taking a one-game lead for first place. Navajos took honors in both handicap and scratch bowling for high team series; high individual on scratch was Boxx with a 583 series, and for handicap, J. Taylor, rolling 670.

Bowlers of the No. Four Team were on the top rung of the ladder standings in the Sandia Base Major League this week, with a 17-games won, 7 lost season tally. Team Three and Team Six found themselves tied for second, each having won 15, lost 9. Team 8 bowled high team series of 2541, and high individual three games went to Carl Frantz, 569, and Roger Rice, 558.

California, Oklahoma, Michigan were league leaders in the All-States bowling hook-up, as Michigan rolled high team total pins of 2741. Individual high series went to Whitford, 615, and individual high game to Palmer, 235.