

# SANDIA BULLETIN

Vol. 3, No. 17

SANDIA CORPORATION, ALBUQUERQUE, NEW MEXICO

AUGUST 17, 1951

## Indian Pueblos and Spanish Missions Archeological Researchers Paradise

The study of anthropology has led Joe Toulouse, AEC employee at Sandia Base, into many remote sections of New Mexico in search of facts about the early Indians and Spaniards. Long months of study and research followed by more months of back-breaking digging in ruins have yielded important new information about the people who hundreds of years ago called the southwest their home.

### Betty Helps Joe

Working with Joe in his anthropological research, has been his



Joe Toulouse

wife Betty. She has assisted in many of his "digs" and did the art work for his book "The Mission of San Gregorio De Abo" which was published by the University of New Mexico Press in 1949. He has writ-

### Indian Ruins To Be Described in Talk

Mr. Toulouse will present a talk, illustrated with kodachrome slides, on historical Indian missions at the Coronado Club, Thursday, August 30, at 8 p. m. His talk will center around the Abo Indian mission ruins which he helped excavate while working with the New Mexico Museum in 1938-39. He will also describe the Kimo mission chain including the San Xavier del Bac mission south of Tucson. A practical feature of the lecture will be tips on the best routes to the ruins.

ten other articles which cover subjects such as Early Man in New Mexico, Cremation Among Indians of New Mexico and Arrow Shaft Tools.

A native-born Albuquerquean, Joe became interested in ancient Indian pueblos and old Spanish missions while in high school. He and a classmate, Betty Thomas, formed an archeological society in Albuquerque High School in 1931. In 1939, when Joe was working at Abo mission ruins, they took time out to get married.

In 1937 he graduated from the University of New Mexico with a degree in anthropology. Already active in research, he became field archeologist at Jemez Springs pueblo north of Albuquerque. Later he was a fellow in the School of American Research in Chaco canyon, about 70 miles north of Grants. In 1938 he worked with the Sul-Ross College, Peabody Museum, Harvard University mission near Alpine, Tex. In 1938 and 1939 he was at Abo and for the five years from 1940 to 1945 he was archeological custodian at Gran Quivira National Monument in New Mexico.

In October 1945, he joined the personnel staff of the AEC at Los

Alamos and in January 1948 transferred to Sandia Base.

### Move Tons of Dirt

Archeological digging is tedious, laborious but fascinating. The Toulouse family has learned that often times it means moving 100 tons of dirt to find a handful of artifacts. The degree of satisfaction derived from the labor comes from the type of artifacts. Among their interesting finds in New Mexico ruins have been remains of primitive wooden hinges used on mission doors back in 1600. Another interesting discovery was the seeds of old mission grapes which in later years made California famous. The Spanish had the grapes in New Mexico a hundred years before they were raised in California, Joe's discovery indicates.

Spanish colonial history in what is now New Mexico starts about 1540, the time of Coronado's expeditions, Joe's book relates. In the many years of exploration and settlement that followed, the Spanish built over 30 missions in what is now New Mexico and these missions with their adjacent Indian villages provide the anthropologists with fertile fields of study.

Being an employee of the Atomic Energy Commission doesn't leave much time for archeological exploration these days, but Joe's interest in the work has not diminished. When there is a weekend available he heads for the mountains, but he admits that he seldom studies the ancient Indians. He goes fishing.

He has not dropped anthropological work completely. He is now writing an account of some of his recent findings in excavating other pueblos in New Mexico.

## Make Reservations Now for Coronado Club Dinner Dance

The climax of the summer social season at the Coronado Club will be the big formal dinner dance Saturday, August 25. Reservations are now being accepted at the club, and indications are that a capacity crowd will turn out, so don't delay.

Dinner at 8 will be followed by dancing until 1 a. m., with music by Joe Cata. The charge for members is \$2 per person, and Chef Carl Hermanns promises a dinner that will delight the most discriminating.

Tomorrow night's informal dance will bring out the enthusiastic followers of Orlie Wagner and his band. They have been among the most popular of the musical aggregations playing at the club this season.

Square dancing every first and third Friday night continues to draw sizeable crowds. Doc Rehbeck points out that although the Tuesday night square dance instruction sessions have been dropped until winter, newcomers will have no trouble with the dances as the caller almost always walks the couples through the dance before the music begins. Why not give it a whirl tonight? You'll enjoy it.

Omitted in error from the August schedule were two events. There will be a regular bingo party August 29, and the following night the regular bridge party will be held. That same evening, Thursday the 30th, Joe Toulouse will give an illustrated talk on his archeological explorations. (A separate story appears elsewhere.)

## Plan to Train Young Men in Drafting Work

Training for young men who wish to learn the drafting profession will be offered by Sandia Corporation beginning early in September. Twenty men who are high school graduates and have had at least one course in mechanical drawing or drafting are needed to start the class.

The training will last three to four months and then the trainees will be assigned to one of the drafting rooms of Sandia Corporation for further experience. The young men who enroll in the class will be considered as trainees and will be on the Corporation roll and receive pay.

The Employment and Personnel Department, in addition to advertising for people who qualify to enter the class, is reviewing the employee rolls to see if there are any young men already employees of the Corporation who are eligible.

## Sandians Head Tool Engineers Society Here

A charter was presented recently to members of the newly established Albuquerque Chapter 93 of the American Society of Tool Engineers. About half of the group is made up of Sandia Corporation employees, according to Jerry Durrie, 1122, chapter chairman, and with one exception all the officers are Sandians.

The American Society of Tool Engineers was formed in 1932. It has 18,000 members and 93 chapters covering the entire industrial map of the United States and Canada. Its purpose is to spread knowledge and information on tool engineering, a branch of engineering whose function is to plan manufacturing processes, supply tools, and integrate facilities needed to produce with minimal expenditure of time, labor and materials.

The 58 members of Chapter 93 meet the first Thursday of each month at the Franciscan Hotel at 6:45 p. m. Officers are Jerry Durrie, chairman; Orth C. Lackey, local businessman, first vice chairman; Douglas Kennedy, 1251, second vice chairman; Frederick Deiber, 1251, treasurer; and Allen Hall, 2123, secretary.

## Coronado Square Dancers

Tonight will be a gala evening of square dancing at the Coronado Club with the Duke City Cowboys providing the music. The dance will begin promptly at 8:30 and refreshments will be served later in the evening.

## Variety of Sheepskins, Alma Maters Sported by July Newcomers

One hundred and twenty-one men and 53 women joined Sandia Corporation as new employees during the month of July.

Statistics gathered by members of the Employment and Personnel Department provide interesting information concerning the newcomers. The newcomers are from 33 states and also from Hawaii and Mexico. Ten of them graduated from college in June, 1951. Sixty-eight of the new employees have college degrees from 35 colleges and universities. Fifty of them have bachelor of arts or bachelor of science degrees, 17 have master of science degrees and one has a Ph.D. degree.

### Girls Ages About 27

Of the 174 new employees, 134 are married and each family has an average of two children. The average age of the men is 32 and the women 27. (Incidentally, that is pretty close to the Laboratory average.)

Following is a list of the home states represented by the new employees and the number from each state:

Alabama, Arizona, Iowa, Maryland, Mississippi, Nebraska, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Virginia, Washington, and Wyoming, one each. Mexico and Hawaii also each provided the Corporation one new employee.

Two people came from Florida, Idaho and Michigan; three from Illinois, Kansas, Massachusetts, Missouri, Utah and Wisconsin.

## New Tech Area Lunch Room To Open August 20

Finishing touches are being made on the new lunch room in Building 839. It will be open for use Monday, August 20.

Centrally located in the Tech area, the lunch room will be a great convenience to employees in that section of the Base. A variety of lunches will be available including soup, sandwiches, salads, desserts including pie, cake and ice cream and hot and cold drinks.

It will be open from 12 to 1 o'clock. Food will be prepared in the Sandia Corporation restaurant in the Coronado Club.

One hundred and thirty people can be accommodated at one time in the eating establishment. The room is attractively decorated and comfortable chairs and new tables will help make the noon hour lunch a pleasure.

Four arrivals were residents of New York, Indiana, New Jersey and Ohio each provided five new employees.

Six new employees came from Minnesota, seven from Pennsylvania and eight from Texas.

Ten of them came from Colorado, 11 were Californians and 71 were residents of New Mexico.

### Standards Are Tops

High educational standards are indicated by the table below. One July employee had a Ph.D. degree. Other degrees are indicated in the table.

Degree	B.S.	M.S.
Electrical Engineering	20	5
Mechanical Engineering	10	1
Physics	2	1
Business Administration	1	
Mathematics	2	2
Chemical Engineering	1	1
Statistics	1	1
Philosophy	1	
Administration	1	1
Mining Engineering	1	
Education	3	1
Industrial Engineering	1	
Metallurgical Engineering	1	1
Aeronautical Engineering	1	1
Communications Engineering	1	1
Civil Engineering	2	1
Journalism	1	

### Universities, Colleges Varied

The new employees are graduates of the following colleges:

Warrensburg Teachers College, University of California, University of Colorado, Saint Bonaventure, University of Missouri, University of Utah, Oklahoma A & M, Illinois Institute of Technology, University of Minnesota, Purdue University.

University of New Mexico, Cornell University, Huron College, Georgia Institute of Technology, Indiana Technical Institute, Washington University, Colorado A & M, Massachusetts Institute of Technology, University of Illinois, St. Thomas College.

Armour Institute of Technology, South Dakota State College, Clarkson College, Grove City College, Iowa State College, Howard Payne College, Michigan State College, Notre Dame University, Colorado School of Mines, U. S. Naval Academy.

Lehigh University, Stanford University, Gonzaga University, The College of Wooster and Bradford Durfee Technical Institute.

China, India and the USSR account for almost half the world's population, yet these three countries together have fewer telephones than New York City.



LISTENING INTENTLY to George A. Landry, president of Sandia Corporation, are reporters and photographers of the Sandia Bulletin at a recent luncheon meeting at the Coronado Club. They heard members of the Editorial Board discuss the publica-

tion and extend thanks to the employees throughout the Corporation who have assisted in producing the paper. The reporters are volunteer workers located in the departments throughout the plant. Their cooperation helps make the Bulletin newsy.

# SANDIA BULLETIN

Friday, August 17, 1951

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

Robert S. Gillespie, Editor

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Telephone Ext. 25253



## What Can I Do to Help?

"What can I do to help?" We are asking ourselves that question as the international situation grows more tense, and as more members of our families and the families of our friends leave for the service. Day by day, news of the world situation emphasizes the need for unity, strength and clearness of purpose.

What can I do to help? The best answer is: Help Make America Strong.

How to make America strong? Consider the advice of Martin W. Clement, chairman of the board of the Pennsylvania Railroad and chairman of the National Industrial Advisory Committee for the U. S. Treasury Department. Mr. Clement lays particular emphasis upon less spending, more saving and more production.

Less spending and more saving are part of the effort to keep our country economically strong. The war against inflation has been described as a war against an enemy as dangerous to us as any aggressor nation.

The third way to make America strong, says Mr. Clement, is More Production. As employees of Sandia Corporation we know that our production is of paramount importance. Our attention to our work determines our production rate.

Here we could enter into a long discussion of absenteeism, tardiness, carelessness, accident rates and efficiency. These and other factors have a definite bearing on the success of our vital mission.

But this is no time for lectures. This is the time for honest self-appraisal by all of us who sincerely want to help our nation through this time of peril.

Each individual employee should take stock of his own personal and work habits and evaluate his contribution to the effort to make America strong.

What is your record?

## Sandians in Naval Unit Experiment in Radiological Safety

A field exercise in radiological safety was conducted recently by student teams from the Naval Reserve Volunteer Ordnance Unit 8-11 (Special Weapons), made up of Sandia Corporation employees.

Six "P-sources," commercially available radioactive sources used in medical and biological research, were hidden throughout the meeting room to simulate a contaminated area. Lead bricks were placed around the radioactive material in order to produce an irregular field of emanation.

### Mark Contamination

Radiological safety teams composed of an instrument man handling a geiger counter, a mapper, and an area marker detected and marked off the "contaminated" areas on the floor.

In actual practice the work of these teams would result in isodose maps, accurate charts of lethal and dangerous areas of radioactive contamination. Decontamination teams would then come in and clean up the outlined regions.

The Naval reserve unit was commissioned by the Naval Bureau of Ordnance last January.

### Train Twice a Month

The group now has about 24 members, including Ellis Turner, 1252, executive officer; Jim Ford, 1251, training officer, and Hank Willis, 4214, personnel officer. They meet on alternate Wednesdays from 7:30 p. m. to 9:30 p. m. in building 849 or at the Naval Reserve Training Center on South Yale Street.

At present the unit is conducting a course in basic nuclear physics and radiological safety, involving lectures, films, laboratory demonstrations, and field exercises. Following this series the reservists will take up another course along similar lines.

## Coronado Club Schedule-August

Friday, Aug. 17—Square Dance, 8:30 p. m.  
Saturday, Aug. 18—Dance, Orlie Wagner Orchestra, 9 p. m.  
Saturday, Aug. 25—Formal dinner dance, dinner 8 p. m., dancing 9

## New Employees

A welcome is extended to the new employees who have joined Sandia Corporation. Listed here are the newcomers who arrived August 1 to 10. As a regular feature the Bulletin will list the new employees and their departments.

Leon W. Schenke	1122
Albert P. Bridges	1123
Don L. Scidmore	1212
Richard G. Parkison	1241
George C. Martin	1251
Charles H. Maak	1253
John A. Riddle	1283
Emmet P. Dillon	1283
Kenneth L. Kemp	1614
Donald E. Grebe	1624
Howard S. Swartzbaugh	1630
Robert L. Morgan	1716
Theresa L. DeBaca	2111
Paul S. Dubkoff	2112
Harold E. Houts	2113
William T. Price	2113
Mary Frances Bengt	2121
Thomas W. McKinney	2122
John W. Manegold	2123
Robert B. Johnson	2123
Floyd C. McGimsey	2123
Steve Ball	2124
Mary Ann Chavez	2222
Cecelia Pena	2224
Alice M. Prather	2231
John M. Dore	2234
Lorna N. Hudson	2241-1
Edna A. Compton	2241
Walter G. Self	2251
Lloyd K. Hungate	2251
Eloy E. Oqaz	2251-2
Dorothy N. Pittman	2252
Frank B. DuBois	2414-2
Eloy Garcia	2415-1
Bonnie M. Montano	2415-1
Norbert W. Brands	2415-1
Sustaquio Ulibarri	2415-2
Joe A. Trujillo	2421
Rosalio A. Silva	2421
Dennis R. Brummell	2421
Bruce R. Higgins	2461
Chauncey J. Cole	2461-1
Phoebe B. Chavez	2461
Luela J. Baker	2462
Mary J. Bealmer	2464-2
John F. Clevenger	2483-1
Pierre Chevalier	2483-1
Joseph D. Schauer	3230
Lila M. Ness	3152
Mercedes E. Baca	4211
Gwynn H. McCarty	4211
Shirley Culver	4215
Kathryn C. McClure	4222
Patsy A. Smith	4222
Virginia D. Haley	4222
Simona Quintana	4222
Gertrude E. McQuarie	4222
Madelyn D. Washington	4222-1
Catherine E. Muller	4222-1
Jennie M. Aquino	4222-2
Elizabeth Clark	4222-2

ROBERT W. MALLEY has been promoted from math analyst to section supervisor of 1613-3. Before he was employed by Sandia Corporation in 1949 he graduated from Southeastern Louisiana College with a B.S. degree in math. Bob's home town is Bogalusa, La. At present he is living in the men's dormitory on Sandia Base.



NELSON T. JONES was recently named division supervisor of 2451. Nelson joined Sandia Corporation in 1949. He is a retired Army captain with 33 years service. His reserve rank is major. In 1916 Nelson was in Mexico with General Pershing chasing Pancho Villa. Nelson spent 28 years as an enlisted man, most of the time as master sergeant. He and his wife live in Albuquerque.



ODESSA HAUGH has been appointed section supervisor of 4221. She has more than nine years experience as a librarian. Prior to joining Sandia in 1948 Miss Haugh spent three years as Army librarian in the Pentagon Building, Washington, D. C.; one year at the Library of Congress; and two years as head of the Newton Branch Library in Newton, Mass. She holds an A.B. and a B.S. in library science.



LEE TOLIVER has been named supervisor of Division 1254. He is married and has two children. Lee worked at Los Alamos from 1945 until 1946, part of the time while he was in the Army. Between 1946 and 1947 he was a mechanical engineering instructor at Ohio State University. In 1947 Lee came to Sandia. He received his B.S. degree in mechanical engineering at the University of Oklahoma in 1942.



ELLIS TURNER was recently promoted to division supervisor of 1252. Ellis came to Sandia in 1948 from the Applied Physics Laboratory of Johns Hopkins University where he worked for three years on radar and special weapons. He was a naval and electronics officer for three years and a war plant designer for two years. He graduated from Rice Institute in 1932 with a B.S. in electrical engineering. Ellis and his wife, Pat, live in Albuquerque.



## Sandia Corporation Promotions to Supervisory Positions

TOM R. WRIGHT has been appointed sergeant in Division 2452. Tom is married and has a six-and-a-half-year-old son. Tom came to Sandia in 1950 from a transit company in Indianapolis, Ind., where he worked for 10 years. Prior to that the World War II veteran spent six years in the Army.



RAY M. HOOPER has been named sergeant in Division 2452. Ray is married and has a young daughter. He joined Sandia Corporation after working a year as a salesman in Albuquerque. Previously he spent three years in college studying civil engineering. Ray is a veteran of two years Army service. The Hoopers live in Albuquerque.



PAUL D. WELKER has been promoted to section supervisor of 2241-1. Paul is married and has two children. He came here early this year. Paul has 12 years experience as a design engineer. Paul and his family have a home at Lake Tahoe, Calif., where they lived for a year before coming to Sandia. They now live in Albuquerque.



RALPH P. CAMPBELL was recently named lieutenant of a section in Division 2452. Ralph is married and has two children. He joined the Corporation after working two years with a local hardware firm. Previously Ralph spent six years with the General Fireproofing Co. in Youngstown, O., his home town. Ralph and his family live in Albuquerque.



ARLIN D. PEPMUELLER has been promoted to division supervisor of 4232. He came to Sandia Corporation in 1950 from the University of Iowa where he had been studying economics and labor. Previously he received an M.A. degree in business education from the University. From 1948 to 1949 "Pep" was office manager of an automobile firm in Oroville, Calif. Mr. and Mrs. Pepmuller live on the base.



KENNETH E. WEIDNER is the new section supervisor of 1513-2. Prior to joining Sandia in 1949, he spent two years working as a civilian for the U. S. Army in Canada. A native of Dayton, O., Ken was awarded his degree in mechanical engineering from Purdue University in 1947. At present he is living in Albuquerque.



HARLAN P. KELSEY was recently appointed division supervisor of 1511. He is married and has two sons, aged 17 and 20, and a 22-year-old daughter. Harlan joined the Corporation in 1948 from the Sylva Electric Products company in Danvers, Mass., where he worked for three years as supervisor of quality control. Prior to that Harlan worked 15 years as a nurseryman and landscape architect. The Kelseys live on the base.



HERBERT J. PLAGGE has been named section supervisor of 1613-2. Herb is married and has two children. He came to Sandia in 1948 from the Iowa State University where he received a B.S. degree in meteorology. During World War II Herb was an Air Force weather officer. He held the rank of major. Mr. and Mrs. Plagge reside in Albuquerque.



ORA J. ANTOINE was recently appointed supervisor of Section 1613-5. She came to Sandia Corporation in 1948 after graduating from the University of New Mexico with a B.S. degree in chemistry. A native New Mexican, Ora came to Albuquerque from her home town of Clovis, N.M., six years ago. She and her husband are living in Albuquerque.



## AROUND THE DEPARTMENTS

Joe Schauer, a native of Gallup, N. M., recently joined Department 3230.

Recently returned from vacation in Minnesota is Fred Bentz, 3230. Fred Sinnott, also of 3230, is back on the job after two weeks visiting the Grand Canyon and points in Texas.

Walter Dzugan, 3152, who was married to Marian Martelle, August 4, is honeymooning in Mexico City.

Jeanne Jolly, 3153, spent her vacation at home with her parents from Mt. Edgecumbe, Alaska.

Bessie Passmore, 3153, and her family just returned from a two weeks vacation in Arizona, where they saw the Painted Desert, Petrified Forest, and Blue Water Lake.

Bill Funk, 3151, has just completed a Gulf Coast recruiting trip, visiting seven universities in the states of Tennessee, Alabama, Louisiana, and Georgia.

Henry Harding, 3151, vacationed in Denver, Salt Lake City, and San Francisco. He will be transferring to Dept. 1810 on August 15.

Dick Pershing, 1222, and family were among the many Sandia folk who enjoyed the Indian inter-tribal dances at Gallup last week end.

Charles Runyan, 1220, his wife, Betty, and their son, Dennis, are taking their two-week vacation to learn more about the state of New Mexico. Janice, their daughter, is visiting her grandmother in Indianapolis, Ind.

Irene Breslin, 1221, has received news that her husband is now in Pearl Harbor. He was home on leave several weeks ago after a tour of duty in Korea.

Department 1294 welcomes John D. Dyson who came to Albuquerque from Lemmon, S. D.

W. B. Hereford, 1295, returned recently from his vacation which he spent in Gurley, Ala. He and his other eleven brothers and sisters attended their parents' golden wedding anniversary.

Silver wedding anniversary was celebrated Thursday, August 16, by Mr. and Mrs. Carl J. Baumgartner. Twenty-one guests helped the couple celebrate at a dinner in the Coronado Club. Carl formerly worked for Western Electric at the Hawthorne plant in Chicago, Ill., and lived in La Grange, Ill., prior to moving to Albuquerque.

Margaret and Bill Reese of 2120 are back after a vacation trip through Yellowstone and Glacier Park—Seattle and San Francisco. Margaret is a nurse in 3160.

E. H. Busbee, Jr., 2331, is spending his vacation in Florida.

Roland Spilker, formerly of 4234, has transferred to 2512.

Eight AEC girls attended a birthday luncheon August 2 for Erma Fauerbach at Leonards. Those attending were Erma, Caroline Gilbert, Betty Crain, Lois Chilton, Lela Vaughan, Theresa Sullivan, Norma Chumley and Katherine Roger.

Mable Harry, 2464-1, her husband, Glenn, and their daughter, Susan, started out on what they thought would be an extensive vacation visiting relatives and friends round and about. Plans included stops in Nevada, Missouri and Texas, but daughter Susan came down with chicken pox, so Kansas City was as far as they got.

There were embarrassing moments recently for Bill Lew who in the excitement of announcing the birth of his son, Robert Timothy, purchased a box of cigars for his office staff. He forgot that the staff consists of 15 women and one man who doesn't smoke.

A native of Chicago gone western has joined 4232. Charles Kasper has joined the division after varied experience in personnel administration in Mexico City and with several mining firms.

Milton Nance, 2221, is in Shreveport, La., where his father is ill.

Esther Leach, AEC, journeyed up Wyoming way to visit Yellowstone National Park, for her vacation.

Kenneth Shinn, 2221, recently returned from his two weeks vacation in California where he saw the highlights of the night spots.

Welcomes are extended by 4216 personnel to Bob Blount and Frank Viquesney who transferred from 4130.

Frontier rodeo at Las Vegas, N. M., was attended by three AEC employees: Peggy Henrie, Edna Fowler and Juanita McDonald. Peggy's brother was a roper in the competition.

Harriet Davis has joined 4233 and is secretary to H. W. Maglidt. Harriet and her husband, Captain Paul Davis, came to Albuquerque from South Carolina and prior to that were in Japan for a year. Harriet hails from Alabama.

Lucky winner of a .38 colt automatic with .22 conversion unit at the Circle 10 Rifle and Pistol club picnic was Charles Farmer, 2452. The club, made up of Corporation security guards, held their guard-family picnic July 28.

Marge Neil, 2331, and her husband, Bill, 4212-1, have moved into their new home at 2701 Belair. Marge says it certainly is wonderful but it also means a lot of work.

It has been a rest the past two weeks for Dorothy Compton, secretary to 1810. She has been nursing a case of the mumps.

Chester Ricker, a native of Jersey City, N. J., and a graduate of the University of New Mexico, has joined 4233. He has five years experience with radio and five years army service behind him. His hobbies are fishing and photography.

Two Sandia Corporation employees were recalled to military service during July. Donald E. Miller, 1131, was recalled by the Navy and Paul C. House, 2463, by the Marines.

Bob and Jane Sieglitz went to Lookout Mountain in Colorado for one week to spend a most unique vacation recently. They attended a folk and square dance school under leading authorities in that field. There were folk and square dance instructions during the morning and again in the afternoon after a callers clinic and then folk and square dancing every evening. They attended the Diamond Jubilee in Pueblo and two other dances in Denver during that time. The vacation was topped off with a buffalo steak barbecue at a beautiful resort in Brook Forest, Colo. Bob and Jane, both natives of New Mexico, call for square dancing and instruct at many clubs in Albuquerque. It has been their hobby for a number of years. Bob works for 2130.

Bill and Jean Jenkins and their daughter, Nancy Jean, returned last week from their vacation in New Jersey and Canada. Bill, 2244, says fishing was fine, the weather wonderful but the square dancing entirely different. Nancy Jean brought back from her hometown of Teaneck, N. J., a girl friend, Joyce Henrichs, who will visit here the rest of the summer.

Old Faithful was viewed by another Sandian recently. C. W. Dickinson, Jr., 4220, chose Yellowstone National Park for his vacation.

Felix Miles, 2235, and family enjoyed fishing and shooting coyotes near San Antonio, Tex. Felix's folks have two packs of dogs; one for coyotes and one for foxes. He says that last December he got four coyotes in one week.

June Moore, 4200 secretary, spent her vacation visiting her parents in Laramie, Wyo.

Last week G. D. Horne, Jr., 4310, returned from a two-week vacation—not particularly rested, but glowing. His first comment upon return was Texas has more beautiful women than any place he'd ever seen. George also trekked to Boulder, Colo., where he visited old buddies at his alma mater, the University of Colorado.

James C. Laffoon, 2232, his wife, Edna Mae, and their two children, Jimmy, 5, and Sonja, 8, traveled to Mountain Home, Ark., for their vacation. They visited Oklahoma City, Little Rock, and Texarkana and made a 3,000-mile trip of it before they returned. They visited relatives on both sides of the family and stopped off at the famous Bull Shoal Dam where people were catching 11-lb. bass, but Jim didn't have that kind of luck.

Latest technical writer to be added to the staff of 1714 is Everett Gilman. Everett was born in Omaha, Neb., but spent most of his life in Des Moines, Ia. He received the B.S. degree this year in Electrical Engineering from Iowa State College in Ames, Ia. In college he took courses in technical journalism and was editor of the college engineering magazine; he liked these activities so well he decided that technical writing was the career for him. Everett and his bride of three weeks live in a furnished duplex they are renting on East Copper.



ROUND AND ROUND THEY GO in the San Felipe Lodge at Salton Sea. The regular square dances are proving to be an attraction to most Salton Sea employees. Take a look at the esprit-de-corps—they have a mighty good time at square dance at Salton Sea.

Fisherman George McCarthy is transferring to 1270 after working in 1520.

Frank Francis, 1513, and Shirlee Francis, 4215, are going on a vacation to Ohio and Pennsylvania.

Bonnie and Sam Lyke, 1513, have Sam's daughter, Lynda Lee from Albemarle, N. C., spending the summer with them.

A bachelor's shower was given recently for Ralph Olson, 1521-2, who was married to Joan Thompson, August 2. Kitchen utensils and unlabeled canned food were presented.

A bridal shower was given Joan Hollers, 4215, at Mrs. Lucille Livingston's home, August 3. She was presented with a Mix-Master, a gift from her co-workers. Evelyn O'Neal and Kay Hill were hostesses. Joan's husband to be is Dale Atkins and the wedding date is August 18.

Reporters from many departments report that everyone is awaiting the opening of the new lunch room in Bldg. T-839.

Major Hutchinson is in line for congratulations for his recent promotion. He has been assigned to Department 1520.

Newcomers to Department 1520 prior to August 1 include Nancy Gould, 4215-1; Maude Parker, 4215-1; Ralph Olson, 4215-1; Leslie Romp, 1523; John Wichelns, 4215-1; Quentin Ussery, 1523; Monira Hindi, 4222; Lucille Gangwer, 4222; Roy Lambert, 1521-1; Alice Dypart, 4215-1; Kathryn McCoure, 4215-1; Velta Hampton, 4215; Francis Odle, 4215; Helen McCarty, 1522; Doris Wallace, 4222-2; A. Heywood, 4215.

Max and Ruth Deaton took a two-week vacation to the Ozarks and through Colorado. The highlight of their trip was their little boy, Larry's, fifth birthday party at his grandmother's in the Ozarks. Max is in 2130 and Ruth in 2465.

Carl Rutgerson, 2130, and Bill Yoder, 2122, went back home to Ohio on their vacations. Both drove their own MG English sport cars and had a wonderful time at the Geneva-on-the-Lake summer resort.

One of the prize winners at the Albuquerque Elks Bridge and Canasta Club recently was J. L. Thorpe, 2415. J. L. returned from a week's vacation last Monday.

Congratulations are extended to Jack Ruder, 1251, and his wife on the birth of a son, Richard. He weighed 6 lb., 10 oz. and arrived July 7.

Personnel of 3230 is happy to have Doris Miller back on the job again. Doris has been ill and spent two weeks at home.

A new face in 2120 is Darleen Thompson who transferred from 2241-1.

West Lab personnel were sorry to say farewell to Marguerite Barnard, nurse. Marguerite is now on vacation and will be in T-818 upon her return.

Janice Nave, AEC, has been in Las Vegas, N. M., where her mother is undergoing an operation.

Lois Chilton and Bonnie Walters, AEC, spent some time in Artesia, N. M., recently. That's Lois's home.

Medical Department, 3160, extends a welcome to Mrs. Philomene "Phyllis" Harris who is the new night nurse. Also, Marianne Humphrey, clerk typist who will work with Mildred Whitten, visiting nurse.

Charles Selby, a newcomer to 4233, is a graduate of the University of New Mexico. He came from Belhaven, N. C., in 1944. He and his wife, Alma, have a home in Albuquerque.

Romayne Davis, 4220, is one happy girl today. She leaves tomorrow morning by plane for Santa Ana, Calif., where she and her husband, Irv, will vacation for two weeks with Romayne's parents. Irv, who is an engineering student at the University of New Mexico, drove to the coast last week and Romayne has found that living the life of a bachelorette even for a week isn't any fun.

Ray Poetzl, 1714, has returned from a week's vacation. He spent part of it at home and the rest on short motor trips with his family, the most interesting of which was the trip to Gallup for the annual Indian inter-tribal ceremonies there.

### What's My Line?



### What Is This Man's Job with Sandia Corporation?

At work this man looks like an invader from Mars. His job keeps him on his feet most of the time and he doesn't mind a little heat. One of the main tools in his business is one often used by safecrackers. Can you guess his job? Turn to page 5 for the answer.



PICNICS ARE GREAT SPORT for everyone and personnel of 1212 can vouch for the fact. Seventy-five happy people enjoyed a day in the Sandia Mountains recently and enjoyed the food and fun that are always present. T. F. Marker presents a good example of a man enjoying watermelon and Jim Davis and daughter Barbara seem to be enjoying the whole affair.



## Seeing New Mexico on Weekends



**THE CARLSBAD CAVERNS BIG ROOM** is approximately 4,000 feet long and 625 feet wide and in one place the ceiling arches to a height of 350 feet. It is filled with millions of stalagmites and stalactites and other curious and interesting formations. Trips with guides are made through the caverns daily. While more than 37 miles of the Caverns have been explored, the guided trip covers only seven miles and penetrates to the first level which is 754 feet underground.

Carlsbad Caverns in Southern New Mexico were born near the end of the "Age of Dinosaurs" and have been some 60 million years in the making. The vast size of the underground chambers and their high ceilings are an awe-inspiring sight to the thousands of tourists who visit the National Park yearly. The caverns are indeed one of the wonders of the world.

Carlsbad Caverns are within an easy one-day trip from Albuquerque. Drive east on Highway 66 to Clines Corners. Then turn south on Highway 285 and remain on that highway to the city of Carlsbad. The caverns are 18 miles southwest of Carlsbad on Highway 62. The distance from Albuquerque to the Caverns is 307 miles.

In an attempt adequately to describe the caverns one could use thousands of words, but this fantastic work of nature almost defies description and words seem inadequate. To appreciate the beauty, grandeur and immensity of the caverns you must see them.

### Subterranean Lunch

At the present time only a portion of the underground corridors and great chambers of the caverns is open to visitors but the accessible portion is the most spectacular. Led by National Park rangers and guides, daily tours take visitors through the beautifully illuminated passageways and mammoth rooms. At 754 feet below the surface of the earth you are served a hearty lunch in the world's most unusual lunch room. You may either walk down to the 754-foot level on a well-surfaced path or you may ride down on an elevator. If you like to walk and are in good health don't miss the never-to-be-forgotten thrill of the hike into the vast entrance of the cavern and down into the earth's interior.

The bat spectacle is one of the great attractions of Carlsbad Caverns National Park. Each evening about sundown millions of bats come forth from the bat cave. Flying out through the entrance arch in a spiral, they stream off over the rim in a southerly direction in search of food. The bats return just before dawn and dive at an amazingly high speed into the cavern entrance and fly directly into the bat room. Visitors walk past the entrance to the room as they descend the path to the lower levels of the cave.

### Shutterbug Tour Planned

There are many excellent accommodations for tourists in the town of Carlsbad and also near the entrance to the National Park. There are no public camp grounds within the park area and no overnight accommodations. The National Park Service reminds tourists that great care must be taken to prevent forest fires and also that Carlsbad Caverns National Park is a wildlife sanctuary. No dogs are allowed in the caverns and cameras may be used

in the caverns only on one tour a day which is planned for shutterbugs. Professional photographers must obtain a permit from the superintendent for taking interior views.

Of interest to tourists with small children is a day nursery which is located near the entrance of the cavern. A charge of \$1.50 per day for each child is made. Also provided is a kennel for pets. They may be left for the day for 50 cents.

A fee of \$1 for guide service, plus 20 cents tax, is charged for each adult entering the cavern.

### HERE'S MORE

## Department News

Al Spengeman is now on vacation expecting to make Yellowstone National Park one of his stops.

Department 4151's best wishes for a speedy recovery go to George Ison, who is now convalescing after an operation. It's reported that his co-workers miss that big ready smile.

The esteemed bossman, E. P. Ancona, Jr., of 2465, recently passed beyond the ranks of the Glorified Twenties. He seems quite happy about the whole thing, though he is occasionally seen casting envious glances in the direction of the young-uns in his division.

Frank Barnett, 1714, and wife, Joan, 3150, are due back any day from their two-week vacation trip in their new 1951 Pontiac. They traveled through parts of Arizona first, then went down into old Mexico as far as Chihuahua, and should be well along on their return trip by now.

Mildred Crouch, 4151, says that her mother, Mrs. J. W. Bowers, has fallen in love with the "Land of Enchantment" and regrets she must return to Indianapolis, Ind.

Vacation bound are Richard Hickman, 2213, William Kraft, 2211, and Charles Simpson, 2212. Dick will seclude himself in the Red River area of New Mexico, while Bill and Chuck will visit California.

Ray Arvidson, 1521-1, is enjoying a three-weeks vacation at his home in Marblehead, Mass.

Department 1520 enjoyed a filet mignon steak party on the patio at the Coronado Club, July 28. Thanks to Ben Russo for making all the arrangements.

R. Ridenhour, 4215-1, enjoyed a two-weeks vacation in Colorful Colorado.

Welcome back to work in 1520 is extended to Peggy Berry after two weeks in the hospital.



**SUPERVISORY PERSONNEL** of 2110 recently enjoyed a Sunday night buffet dinner at the Coronado Club. They are pictured here after the meal as they were visiting. Guests at the dinner were Mr. and Mrs. Fred Schmidt and Mr. and Mrs. H. W. Pagenkopf.

## SHOOT 'EM RIGHT — ENJOY 'EM MORE

Millions of pictures are taken yearly by amateur photographers and some of the shots become famous as on-the-spot news photos or for their artistic achievement.

However, many of the millions are doomed to go into scrap books despite fuzziness, poor planning and plain every-day misfires. Memories of vacations, holidays and special events are preserved in these photographs sometimes for a lifetime.

In an effort to give a few hints to the amateur

shutterbug the Sandia Bulletin solicited the help of several Sandia Corporation photographers. In the accompanying pictures and captions Jim Karo, 2462-1, poses with Nancy Ellis, 2120, in a picture story on how to get good pictures. Assisting in planning the pictures were Wally Boyes, Bill Reid, Roy Dunlap and Jack Foster, all of 2462-1, who have been serving as photographers for The Bulletin in addition to their other duties.



**NEVER, NEVER, NEVER** stand in front of a tree like this when you're having your picture taken. It looks like the tree is growing out of Nancy's head. Besides she's squinting, her pose is stiff, off balance, and the lighting is bad.



**THE WRONG WAY** to take a picture is demonstrated by Jim Karo, 2462-1, and lovely Nancy Ellis, 2120. Here Nancy is off balance with her arms held awkwardly. She is looking down and squinting into the camera. Jim shows how NOT to hold a Brownie reflex camera — out from the body, tilted, and with a finger over the lens.



**AN EYE-CATCHING POSE** is created with good use of lighting, position and background. The off-the-shoulder blouse and fiesta skirt help too. Nancy is married and, believe it or not, the mother of two.



**THE RIGHT WAY** is enacted by Nancy who is posed naturally and look at the difference that smile makes. Her face is lifted into the light and the background is good. Jim shows how this type of camera should be held — level and steady against the body so he can look straight down into the viewer.



**A BRIGHT SMILE** and a natural pose show how fine a picture can be if proper attention is paid to lighting and background. You can do it too, so grab that camera and start clicking, but first make sure it's registered with Military Police.



**THE VIEW IS SPOILED** in this shot by a cluttered background. Again Nancy is looking down and squinting. Her left arm and leg are awkwardly placed and her features are shadowed. Jim, a professional photographer, demonstrates a prime DON'T — he's facing the camera into the sun.

## One Man Is Responsible For Beauty Of Grounds Surrounding West Lab

"I don't believe in jumping around from job to job," says Henry S. Chambers, West Lab gardener, "when a man gets a job he likes I think he should stick with it." Henry practices what he preaches. Since 1879 he has held only four full-time jobs, including his present job at West Lab where he has been for the past 15 years.

Six feet, three inches tall, Henry's physique and posture belie his age. The grounds at West Lab are



Henry S. Chambers

Henry's pride and joy. He planted everything that grows in the entire area. Those who have seen the smooth lawns and carefully pruned hedges at the lab will testify to his skill.

### Girls Wade in Pool

He remembers laughing young girls splashing in the patio pool when the lab was a private school for girls. During World War II he saw ambulances screaming up to the quadrangle entrance and white-coated interns rushing stretchers into the elevator and up to the operating room.

That was when West Lab was an Army convalescent hospital for several years at the beginning of the last decade. Then for 10 months after the Army turned the buildings back to Albert Simms, former owner of the girls' school, Henry and his wife were sole inhabitants.

They lived in a little cottage that still stands and took care of the grounds.

When the New Mexico School of Mines took over after the Army moved out, Henry stayed on for three and one-half years until the AEC and the University of California came in and he again switched employers. His last change was when Sandia Corporation took over the Laboratory and he became a Sandia employee.

### Hunts Moonshiners

Of the three jobs Henry held before coming to West Lab, that of deputy sheriff in his home state of Arkansas was perhaps the most exciting. He tracked down bootleggers operating inside the state on the run outside of Arkansas.

He also worked as a lumberman for many years before he came to Albuquerque in 1919. In Albuquerque he worked as a retail yard foreman for 16 years with a local lumber concern until he took up gardening at West Lab.

Henry has three children and eight grandchildren. His youngest son also believes in one job for life. He has been in the Army for 14 years. Henry's oldest son is 48 and is the father of six of Henry's grandchildren, the other two being his daughter's.

West Lab has changed a lot in 15 years—there were only four buildings in the old Simms Girls' School—but Henry Chambers has remained much the same, a man who found peace and happiness early and who was wise enough to hold on to it.

Harold V. Ahl, formerly department manager of 2310, has returned to Western Electric's plant at Hawthornes miss that big ready smile. thorne, Chicago, Ill. He will be an assistant purchasing works agent there. Mr. Ahl has worked at Sandia since November, 1949.

**YOUR FUTURE**  
Will be Brighter if  
You Participate in  
Your  
Retirement Plan



**RADIOLOGICAL SAFETY TEAMS** learn their business as part of a field exercise held by the Naval Reserve Volunteer Ordnance Unit 8-11. The unit is composed of Sandia Corporation employees. Above, Hank Willis marks points on an isodose line which shows the area of "lethal" radioactivity. Ellis Turner maps the area discovered by the geiger counter held by Jim Ford. The reservists wear film badges on their wrists which would cloud over if they stayed in a danger area too long.

### HERE'S MORE

## Department News

All members of the Coronado Club interested in square dancing are urged to regularly attend these semi-monthly dances. An interesting program has been planned for the fall season and regular members will assist Doc and Betty Rehbeck in making these dances successful.

There were two celebrations for **Mary Jane Dean**, 3122, and her husband, Don, recently. First of all they purchased a trailer, the type with bedroom and bath and then Don was promoted to corporal. He is stationed with the Air Force on Sandia Base.

**Bill Chandler** is a new employee in 4232. A native of Texarkana, he has a masters degree in industrial relations from the University of Texas. He comes to Albuquerque from Fort Worth where he and his wife, Betty, were married two months ago.

Congratulations are in order for **Jim Rhodes**, 2221, who has a new daughter, Norma Kathleen, born August 2. Mother, baby and father are reported doing fine.

**Wally Bischof**, 2465, is back on the job after a two-week seige of mononucleosis. His co-workers advise he take it easy as anything with such a high-powered name as that must have been rough.

Friends of **Kenneth Schooley**, 2123, are extending their sympathy to him. Ken was injured in a hit and run automobile accident and suffered a back injury.

**Willard Rappleyea**, 2123, is recovering from a major operation that caused him to be confined in the hospital and his home for the past six weeks.

Congratulations are extended to two new proud fathers. **Bob Birrell**, 2122, has a son, Robert Gene, Jr., and **Elza Shuping**, 2123, also a son.

Sympathy is extended to **Bob Book**, AEC, on the death of his mother, Mrs. Stella B. Book, of Rensselaer, Ind.

Welcomes are extended by 1251 to the following new employees who started working prior to August 1. **Louis Pinger** came from Koch Engineering Co., Wichita, Kans. His home is Detroit, Mich. **Albert Martin** is from Lufkin, Tex.; **Ruth Conner**, is from Des Moines, Ia.; **Angelina Fernandez** comes from Las Vegas, N.M., and **Virginia Sullivan** and **Irl Pemberton** are transfers. Virginia worked in 2114-1 and Irl was in 1216.

Congratulations to **Vern Garratt**, 2113-2, on the birth of his 7 lb., 5 ounce son, Dale Arthur, on August 7. Mother and son are fine, and Vern is beaming.

**Don Bliss**, 2112-1, should be in line for some sort of Freak Accident Award. Driving along the road with his hand on the glass vent of the front window, he received a blow from a rock sent flying by the car ahead. This, believe it or not, resulted in a broken finger. He has saved the broken vent window to exhibit to skeptics.

**Kay Naylor**, 2111-1, is now involved in a new hobby, and a very unusual one. It's not exactly her own hobby, but who could help be involved under the circumstances. Her two young boys purchase tadpoles from older neighborhood boys who capture them from the irrigation ditch—and sell them at a cent apiece. The Naylor back yard is lined with coffee cans inhabited by these highly useful creatures. Horned toads retail at three cents.

## Jockey a Unicycle—It's the Best Reducing Exercise in the World

"If you ride this unicycle in the March of Dimes parade down Hollywood Boulevard, you can have it." So said a friend to petite blonde Florence Burwell in 1949. She had just one month in which to learn the technique of balancing and timing on the one-wheel contraption—which she did. The night before the parade, a storm swept across California and according to Florence, saved the day—she didn't participate in the festivities but did gain possession of the unicycle.

Florence, 1714, and her husband, Rod, are avid cyclists. In fact they first met when members of the Los Angeles Wheelmen club. It's a weekend routine for the Burwells to cycle out highway 66 and take off on one of the side roads, that is when Rod doesn't have too much homework—he's a mechanical engineering student at the University of New Mexico.

Interest in cycling started about four years ago for Florence in her home town of Glendale, Calif. She says the companionship offered by the Wheelmen club prompted her interest. Rod is an old-timer as a cyclist, having traveled via bicycle throughout Europe in 1947. Florence has one long trip to her credit, too. She traveled by train over the northern mountains of California and then started pedaling alone for Crater Lake and the vicinity. She claims that's one way to meet the nicest people. A trip that is scheduled for the future is a European tour and Florence says Rod is as enthusiastic as she is even though it won't be a new experience to him.

The Burwells don't do as much cycling now as they would like. Florence says the New Mexico terrain and the head winds are not conducive to 100-mile trips which they took monthly in California. Of course, Florence uses a two-wheeler for those.

There are three bicycles and one unicycle in the Burwell household. Florence has a Swiss and an English bicycle and Rod has an eight-speed English custom-made two-wheeler of which there are only two in the United States. Rod corresponds with the other owner, who lives in New Jersey.

Florence uses the English bike the most and says her unicycle is



**CYCLING ON A UNICYCLE** with the greatest of skill is Florence Burwell, 1714, who learned the balance and technique of the one-wheeler to win a bet. Florence hasn't been able to get much practice in Albuquerque but ably performed for this picture.

only for tricks. It was a challenge for her to learn to ride it and in recalling that first month, she says it took seven hours to make the first three feet. She recommends it very highly for anyone desiring to lose weight as unicycling is strenuous exercise—it takes a lot of pedaling to cover a short distance.

A smooth surfaced road is a necessity if you want to climb on and pedal away. If it's sandy, Florence finds a fence or curb mighty useful in climbing aboard.

The Burwells live north of the Fairgrounds in Albuquerque and even with the temperature hitting 100, Florence occasionally chooses to cycle to work. However, she admits she doesn't attempt it on the unicycle.

## Toastmistress Club To Hold Barbecue

The Turquoise Toastmistress Club will hold a barbecue on the patio of the Coronado Club next Wednesday at 7:30 p. m., it was announced today. Members are urged to come early and enjoy a swim.

Mrs. J. J. Michnovicz is in charge of arrangements for the evening. She said that for reservations, members should call ext. 21272 on or before Monday.

## Weddings

Mary Joan Hollers, 4215, will become the bride of Dale L. Atkins tomorrow in the Trinity Methodist



Mary Joan Hollers

Church. Mary Joan is the daughter of Cecil Hollers, 2123, and the family came to Albuquerque from Toledo, Ohio. Dale is presently employed by the State Highway Testing Lab.

Jim Arthur, 1281, and Mary Lou Cunningham of Albuquerque were married August 11 at the Central Avenue Methodist Church. The couple is honeymooning in Colorado.

Everett Gilman, 1714, was married to Juanita Offield July 27 at the First Congregational Church in Albuquerque. Both are from Des Moines, Ia. Mrs. Gilman is active as a leader of the Campfire Girls.

## What's My Line?



## Charley Bates Is a Welder

The acetylene torch so dear to the heart of safecrackers is often used by Charley C. Bates, 2121-4, although he also specializes in electric welding.

The Army brought Charley to Albuquerque where he was stationed for 14 months. His home town is Alta, Fla., but after the war he packed up and moved out here. Charley came to work for Sandia Corporation in 1947 as a welder. The World War II veteran lives in town with his wife and daughter, aged 3.

## Roy Dunlap Raises Chinchillas Worth More Than Their Weight in Gold

Mink will be glad to learn they are on the way out as the ultimate in milady's fur coat. Chinchillas will be taking over as soon as breeders stock enough of the little critters to make sales of their pelts practical.

### Back Yard Profit

That's the word from Roy Dunlap, 2461-1, who says that right now the best way to make a profit from chinchillas is to raise them in your back yard and then sell them in pairs to prospective breeders.

Since a pair cost \$1,600 it's not surprising that chinchilla coats may run as high as \$100,000. This price is based on their rarity, of course, but outside of that, chinchilla fur has a quality that can't be matched. Mink is coarse by comparison. A square yard of chinchilla fur weighs the same as a square yard of silk, yet it is warm and durable.

The fur is amazingly thick for its weight. A rabbit has one hair growing from each root or follicle as do human beings. But chinchillas have from 30 to 40 hairs growing from each root.

### Chinchillas At Fair

Roy is a 24-year-old veteran with a wife and two children. He started raising chinchillas early in 1948, shortly before he came to work at Sandia. The first time he saw any of these small South American rodents was at the New Mexico State Fair in 1947. Roy had just been discharged from the service and he was looking for something to do. He took home some pamphlets on chinchillas and on reading them he discovered that a representative of Allied Chinchilla, Inc., a breeders group, lived near by. He visited the man, and shortly after bought three pairs of chinchillas for \$800 a pair. Since then the price of a pair of chinchillas has doubled, Roy says.

Contrary to popular belief, they are not difficult to raise. Breeders such as Roy lavish care on them simply because they are so terrifically expensive.

"A block of gold is pretty durable," Roy points out, "but if you had one you'd take extra good care of it, wouldn't you?"

Incidentally, a block of gold wouldn't be worth as much as a chinchilla of the same weight. The average chinchilla weighs 16 ounces. That much gold is worth about \$580, but a chinchilla that size costs \$800. So they actually are worth much more than their weight in gold.

Roy has had an unusual amount of bad luck raising his furry friends. He kept his first three pair at a friend's ranch for about a year. There they increased until there were 11, but later four sickened and died.

After this disaster, Roy moved the chinchillas to his mother's home. There he and another chinchilla farmer, Bob Brooks, 2334, installed their cages in a brick building complete with a thermostat and air conditioning.

About a year later Roy ran into more bad luck. His chinchillas had increased until there were 16, but Roy had moved his home near the base so he couldn't keep a constant eye on his chinchillas. One night someone moved the thermostat up too high and in the morning seven chinchillas were dead. A \$2000 loss.

Chinchillas look like little rabbits that want to be squirrels. They have a rabbit's face and ears slightly larger than squirrel's. They have a body like a rabbit, but not as big, and a tail like a squirrel's, but not as bushy.

### Soft Fur Fools You

Their fur is deep and soft, so soft that if you close your eyes and bring your hand down on their body you'll touch their back before you realize the fur has been brushing your palm. The hairs are blue-black with long pearl-gray tips. In a gentle breeze the fur ripples and seems to change color in waves.

They are extremely clean little animals and they have no odor. Their fur is so fine and sensitive that after you've fondled them they'll hop right into a dust bath to



**CHINCHILLA RANCHER** Roy Dunlap, 2462-1, holds two of his prize chinchillas, a mother and her baby. Together they are worth about \$1300.

clean the oil on your hands from their fur.

Roy keeps them under strict sanitary conditions, not because they are particularly susceptible to disease, but because they are so precious.

Their feeding is fairly simple. Each of the cages has a feed tray with a choice of hay, dry pabulum, or chinchilla pellets prepared by a commercial firm.

### Doubles Investment

The 13 chinchillas Roy owns now are worth about \$5,000. He has more than doubled his original investment in the three years he's been raising the wee beasties, which isn't bad considering the hard luck he's had.

Economically, chinchillas are one of today's soundest investments, since at the breeding rate of three litters a year two pairs of the animals would replace their original cost within two years.

Among chinchilla ranchers working for Sandia Corporation besides Roy and Bob Brooks, are Edward Harley, 1715; Randy Parsons, 1251; and Chic Farwell, 1251.

Someday Roy is going into chinchilla ranching on a more expanded scale. Right now he's building a new home for his herd in back of his own house. It's going to have every modern precaution to make sure there are no more accidents.

He's a bit worried, however, about the speculative look in his wife's eye whenever she gets around his chinchillas. But she knows, as does Roy, that it takes about 300 pelts to make a full length fur coat—and in all the world there are only 35 chinchilla wraps.

## Vacation Tips

Be sure your car is in safe condition—especially the brakes, lights, tires, steering, windshield wiper.

Remember that even minor wounds should be promptly disinfected and treated.

Sunstroke and heat exhaustion are serious dangers; avoid sunburned skin; wear a head covering for sun protection.

Don't try to swim long distances unless there are at least two people following in a boat.

Drink cool, not ice-cold liquids. Take it easy.

When camping or picnicking, be sure to extinguish fires.

Shun poison ivy—it's real poison.

Calls for "Information" at the country's telephone exchanges averaged about 4,533,000 a day last year.

## Indians Win in Playoff Round of Softball League

With an 8-1 victory over the Cubs, 2231-2232, August 9, the Indians from 2123 rolled to their third straight title and permanent possession of the Sandia Corporation softball trophy. The victory was doubly sweet for the Indians—the Cubs had twice defeated them in the regular season.

In the playoffs the Indians collected 11 hits from Harold Thomas for the crucial win. The lion's share of the victory belongs to Tex Arterburn, who set the Cubs down on two hits and one unearned run and scored three runs himself. He was ably aided by Curly Fink's first inning lead off home run and Nick Pavletich's three hits which brought in four runs.

Engineering's Pirates hammered out an 11 to 4 victory over the Tigers in a game that also featured a lead off first inning home run by Chuck Harris, Pirate catcher. This, with Howie Obergfell's bases-loaded-home-run, sparked a 13-hit attack on three Tiger hurlers.

Pitcher Don Collins shackled the Tigers and earned for the Pirates a 2-1 record and second place in the playoffs. The Tigers and Cubs, with two losses each, round out the playoff picture.

## Corporation Wins All-Star Encounter

Sandia Corporation Softball All Stars walked off with an 8 to 1 victory over the Army All Stars in their recent tilt.

Harold Thomas and Cliff Taylor collaborated on the mound to hold the Army to a hit and a run. The Corporation attack, paced with home runs by Tex Arterburn, Taylor and Irish Callahan, rolled up eight runs.

Twenty-five players broke into the Corporation line up, with representatives of every team in the league working in the combinations fielded by All Star Managers Bert Neuman, Ray Pierotti and Gene Medina.

Rainy weather and Army-wide tournaments have dealt a death blow to the Army-Navy-Air Force-Corporation annual All Star tournament.

## Golf

Golf league officials have asked the players to turn in all score cards to Chet Fornero, 4215-2, in building 860 as soon as possible.

Following are the standings for the first week of play:

### Flight A

Team 2, Horne, Jr., Baumgartner, won 2, lost 0; team 4, Pierson, Dierks, Johnson, won 2, lost 0; team 5, Hopper, Hunnicut, Siglock, won 2, lost 0; team 7, Hicks, Williams, Gowan, won 1, lost 1; team 8, Horne, Sr., Deutsche, Price, won 1, lost 1; team 1, Cocke, Fellows, Benish, won 0, lost 2; team 3, Brooks, Lindell, Lockwood, won 0, lost 2; team 6, Nelson, Summers, Lettrich, won 0, lost 2.

### Flight B

Team 2, Claasen, Sharp, Bush, won 2, lost 0; team 4, Skinrood, Hines, Kidd, won 2, lost 0; team 5, Thomas, Johnson, Kennedy, won 2, lost 0; team 8, Cavanaugh, Hess, won 2, lost 0; team 1, Quirk, Ryan, Sampson, won 0, lost 2; team 3, Hickey, Campbell, Jones, won 0, lost 2; team 6, Weldon, Irving, Angus, won 0, lost 2; team 7, Fornero, Snyder, won 0, lost 2.

## Summer Bowling Sandia Indian League

Team	Won	Lost	High Game	High Series
Hopi	23	11	890	2521
Apache	27	17	820	2420
Sioux	25	19	849	2452
Cree	25	19	912	2480
Iroquois	21	23	840	2453
Crow	19	25	888	2492
Blackfeet	15	29	890	2421
Cherokee	12	32	792	2222

High game: McKinley 236.  
High series: Spriggs 646.

## Library Staff Hears Lecture on Europe

"Cultural Survey of Europe," was the topic of Dr. Marcel Weinreich's lecture given last Monday, August 13, to members of the Sandia Corporation library staff. Dr. Weinreich, 4220, who is a translator with the Corporation, speaks seven languages fluently and in his lecture showed the parallelism between political institutions and the language and literature of the European people.



**CHUQUICAMATA, CHILE**, looks mighty small on the map as Les Wheeler, 1295, points out his former home to pretty Mary Beth Hayes, 2461. Les worked for an exploration company in Chile for the past 3 years.

## Les Wheeler and Family Enjoy the "Wet Climate" Found in Albuquerque

It's high and dry in Albuquerque, but Chuquicamata, Chile, is just a little bit higher and a whole lot drier, according to Leslie W. Wheeler, 1295, a new employee of Sandia Corporation. Les, a native of Albuquerque, has been living in Chuquicamata for the past three years as an employee of the Chile Exploration Company. He says that during that time there was only one-tenth of an inch of rainfall. By comparison, Les says, Albuquerque looks like a tropical jungle.

### Works At High Mine

The Chile Exploration Company mines and refines copper from one of the world's largest copper mines as far as output is concerned, says Les. At the present time the biggest construction program in South America is the building of a new copper reduction plant in Chuquicamata. Les was one of 500 North Americans employed by the mining company in addition to about 6,000 Chileans. He and his family lived in the housing unit which the company has for American-foreigners; there are modern conveniences, a company club, two theatres and a school with grades one through eight.

Chuquicamata is 10,000 feet high in the foothills of the northeast section of Chile. From the camp Les could see three peaks of 19,000 feet or higher elevation. There is no natural vegetation of any kind—not one blade of grass. Les' job was with the field engineering

department which was mostly concerned with supplying water for the camp by pipelines from the mountains.

Les, his wife, Mary, and their two sons, Tommy, 6, and Johnny, 4, thoroughly enjoyed their stay south of the equator, where the seasons are reversed. Johnny was born in Chile, so this move to the states was quite a revelation to him. His first sight of ants brought forth cries of excitement and the day he discovered that the garbage men spoke English instead of Spanish as they do in Chile, he ran into the house and pulled his mother outdoors so she could view the phenomenon.

The Wheelers didn't get to see much of the southern part of Chile. They spent one two-week vacation in Antofagasta and another in Tocopilla where the company has a guest house for its employees. Both are northern coastal towns.

Les is not a newcomer to Sandia. In 1947 after he was graduated from the University of New Mexico with a degree in civil engineering, he came to work at Sandia for two months—then he went to work for the Chile Exploration Company. Les and his family would probably still be in Chuquicamata he says but they left so the children could see grass and live in their own land.

## Classified

### FOR SALE—

Cocker puppies, beautiful litter, exceptionally fine pedigree, AKC registered, 2 blond males, 2 blond females (\$35.00 each), 1 black male, 1 black female, (\$25.00 each). Elizabeth Cagle, ext. 23236 or see at 609 South Arizona.

1947 Chevrolet tudor sedan, good tires, and usual accessories, \$260 down; davenport and chair, two tables and two lamps, \$100; Zenith radio-records combination, table model, \$50, used one year. Ed Udey, West Lab ext. 2 or Alb. 2-8114.

Electric New Home cabinet sewing machine, good condition, \$40. Stan McCammon, ext. 33254 or Alb. 5-6262.

Magic Chef gas range, two years old and clean, cost new, \$140. Sale price, \$70. E. M. Skinner, ext. 23145, 2607 N. Flower, Hofmantown.

Cessna 120, 850 hrs. total time, 10 hrs. since overhaul on engine. Fuselage painted green, wings silver. Excellent condition throughout, \$1150. Lester Dassoff, ext. 29257 or Alb. 3-5864.

Two wheel trailer 4 x 8 bed, 6.00 x 16 tires. Dale Showalter, ext. 25245 or after 4:30 Alb. 5-9163, or see at 3534 E. Anderson.

1950 Ford Custom Fordor, heater, 22,000 miles, near perfect condition, \$1350 or best offer. T. M. Cross, ext. 6137 or see at 2718 N. Manzano Dr. after 4:30.

6 volt 35 ampere generator driven by 5/8 HP Maytag gasoline washer motor. Suitable for battery charger. Complete radio noise filtering, \$37.50. J. C. Eckhart, ext. 4248 or 33178.

Gas range, 30" aristocrat, oven regulator, excellent condition, \$60. Gertrude Theiler, ext. 24253 or Alb. 8261. Can be seen at 1007 East Roma after 5 p. m. and all day Sunday.

Attractive 2-bedroom house on North Valencia Dr. Walled yard, unobstructed mountain view. Low down payment can be arranged. George Nicholls, ext. 29242.

Oriental rug, 5 x 7 ft., rose color, new condition, \$35; Navajo rug, 4 x 6 ft., new condition, \$17; brand new K-22 Smith Wesson .22 caliber revolver, \$68. W. O. Smitha, ext. 21186 or 21241.

1949 Ford Custom sedan with radio and heater, new air-ride tires, low mileage, perfect condition, \$1195. Take clean used car in trade. W. O. Smitha, ext. 21186 or 21241.

One new 4-ply 6.00-16 tire, first line quality, \$15. R. Gustin, ext. 21145.

Three-bedroom house, nearly new, 1 1/2 baths, wall, landscaping, near bases, good financing, available Sept. 1. Also furniture. Paul A. Northrop, West Lab ext. 48 or 3815 E. Anderson Ave., Alb. 5-3661.

1948 Pontiac 8 tudor with hydraulic, radio, heater, and many accessories, one owner, only 31,000 actual miles, sell or trade. For cash, \$1195. Don Weldon, ext. 7153 or Alb. 5-5855.

Remington 22 "Speedmaster" long rifle, nearly new, \$50. Carl Gregory, ext. 21246 or Alb. 5-8056.

RCA 10" screen television model 9-T-256 complete with antenna, and table, cost \$350, sell for \$150. Bruce Long, ext. 29151, 2731 San Rafael Dr., Alb. 8269.

3-piece living room suite, sofa and two chairs, approximately 3 years old, excellent condition, \$60. J. T. Brown, ext. 24259 or Alb. 5-7467.

Hotpoint wringer-type washer, like new, original cost, \$150, selling price \$75. William F. Hughes, ext. 7140 or see at 346 N. Jefferson.

1941 Ford Convertible (with Mercury engine), in good condition. Price, \$400 cash. Call Danny Worth, Sandia Base ext. 5194.

1949 Kaiser, deluxe, radio, heater, overdrive, undercoat, good motor, tires, clean, \$1,250. Can be seen at 401 N. Chama. Thomas E. Dadian, ext. 26246, or Alb. 5-6663.

1949 Willys Jeepster, 31,000 miles, excellent condition. L. M. Gambrill, ext. 22143.

### RIDE WANTED—

One-quarter mile west of Wyoming on Las Lomas. Marguerite Coppinger, ext. 22240.

Candelaria and Manchester Rd., vicinity to North or West Tech area gate. Carolyn West, ext. 29140.

Coal and Girard on 7:30 to 4:30 shift. Josephine Norwood, ext. 29254 or Alb. 5-4639.

621 N. 5th. Margie Baca, ext. 25240 or Alb. 3-4755.

### RIDERS WANTED—

Share expenses, part way or to Indianapolis, Ind. Leaving August 24. Rowena Demaree, ext. 23247 or Alb. 5-6707.

Driving to Los Angeles about Sept. 1, can take two or three passengers, good car, careful driver. H. W. Clay, ext. 4239 or Alb. 5-5900.