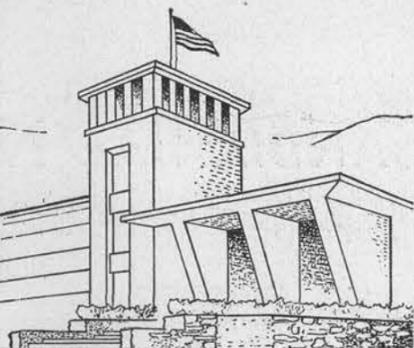


# SANDIA LAB NEWS

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



VOL. VI, No. 17

ALBUQUERQUE, NEW MEXICO

AUGUST 13, 1954

## Sandian Retires; Plans Reunion to Celebrate Event

Retirement from Sandia Corporation started this month for Perry Hooten who joined the Laboratory four years ago, working in 2419.

Perry will launch his retirement with a big family reunion at his home, 525 Chama St. SE, where he'll greet three of his children—and their children.



Perry Hooten

The Hooten family reunions this summer are in "two takes." First was July 4 when the other three children and their families visited Perry and his wife, Ethel, also 2419. Everyone couldn't congregate at once so they decided to make two celebrations out of Perry's retirement from his working career.

How does Perry plan to spend his days? "I'm going to work in the yard and I'll specialize in roses. Maybe, if they turn out to suit me, I'll enter some in the State Fair flower show," he explains.

Perry has lived in New Mexico since 1909, moving here five years ago from Artesia. His six children and 11 grandchildren are in widely scattered locations, from Texas to Hawaii.

"Please, when you write this article," Perry asked, "tell the Sandia people 'thanks'—they're all swell."

## Sandians Win Awards In Local Photo Contest

Don E. Wanner, a physicist in 1621, and Henry Strauss, administrative assistant in 2310, were awarded prizes recently in the photo competitions presently being conducted by the Albuquerque Journal.

Wanner's picture of his seven-month-old baby, Nancy Elizabeth, relaxing under a beach umbrella at his home, rated a \$5 prize in the Class A contests.

A close-up photograph of famed Jemez Soda Dam won a similar award for Henry Strauss in the Class C section.

Both photographs will be entered in the grand prize contest to be judged at the close of the Journal's seven weekly contests.

## Campbell Named to Head Corporation Red Feather Drive

Charles W. Campbell, 1900, has been appointed chairman of Sandia Corporation's 1954 Community Chest campaign which will be launched October 5. The Tuesday morning kick-off will follow an afternoon rally the day before for the solicitors and other Sandians spearheading the drive.

Deputy Chairman in charge of solicitations for the drive is Luther J. Heilman, 2400. John P. Cavanaugh, 6021, has been named treasurer and Leo A. Dunn, 1284, is publicity chairman.

C. E. Wedwick, 4130, will handle statistics for the drive. Eugene W. Peirce, 3120, is to be in charge of meetings.

The other members of the committee are: William F. Leverenz, 2151; Webb E. Shafer, 2542, and Kenneth C. Shinn, 2471.

## ★ Need Red Feather Slogan Writers For Sandia Drive

Slogan writers, here's your chance!

Here's your opportunity to win a prize and at the same time perform a service to Sandia Corporation's Community Chest Drive.

Here's what you do: Write a short slogan appropriate for the Corporation's Red Feather Drive which will start Oct. 4. Use your imagination, good judgment, and bear in mind the Community Chest general slogan: "Give the United Way."

Send your idea to Leo Dunn, 1284. All entries must be received in Mr. Dunn's office before 4:30 p.m., Aug. 20. Entries will be date and time stamped as received. In case of tie, the first slogan received will win.

Three prizes will be given by the Coronado Club, taken from bingo prizes: 1st, silver cream and sugar service; 2nd, fitted case with comb and brush; 3rd, Rite Point table lighter.

The entries will be judged by the Sandia Corporation Community Chest Committee.

## Toastmasters Invite Guests to Join Them In Speech Course

Sandia Toastmasters Club will soon launch a "Speechcraft" course for persons interested in learning the fundamentals of public speaking.

The educational committee headed by Ed Roth, 1643, is working out details for the course and time and meeting place will be announced soon in the SANDIA LAB NEWS.

The Sandia Toastmasters Club meets each Thursday from 6 to 8 p.m. at the Coronado Club and extend an invitation to guests who wish to participate in the discussions.

Advance reservations for these regular dinner-meetings are not necessary although they are preferred. Sgt.-at-Arms John Salazar, 2533, may be reached for information at ext. 37133.

## Fission, Fusion Devices Form Weapons Family AEC Reports

Interesting facts concerning the nation's atomic weapons stockpile were told in the sixteenth semi-annual report of the Atomic Energy Commission recently released.

"The nation's atomic weapons stockpile," the report reads, "growing rapidly in total numbers, reflects a trend of increased variety and versatility of weapons. Development of a 'family of weapons' has extended the military usefulness of available fissionable material.

"Paralleling fission weapon development since 1950, there has been in progress a concerted development effort on thermonuclear weapons. In view of important progress made in fission and thermonuclear weapons development programs, a national

policy was made to take every advantage of such progress to assure that the United States maintains its superiority. The President directed the Commission to continue to produce atomic weapons during 1954 consistent with this decision."

The report further related that the research and development program was highlighted by tests at the Pacific Proving Ground which were known as "Operation Castle."

These tests were successful in furthering the development of thermonuclear weapons.

The 137-page report carries other interesting information of the atomic program. Domestic production of uranium ore and uranium concentrates attained record levels during the past half year (first six months

1954) and production from foreign sources also increased.

New facilities at Savannah River, S. C.; Hanford, Wash.; Paducah, Ky.; Oak Ridge, Tenn., and Portsmouth, Ohio, progressed satisfactorily to bring the capital investment in atomic energy plant facilities up to about \$5,700,000,000.

Progress was reported in the plans for a pressurized water reactor for production of electrical power and also in the project of building a nuclear powered submarine.

For security reasons, Sandia's contributions to the weapons program are not mentioned, except to refer to the renewal of the contract under which Sandia Corporation operates the laboratory for the AEC.

## Community Chest Publicity Program Gets Boost From Folks in Sandia, AEC

In addition to the Sandia Corporation people sparking this year's in-plant solicitation, several Sandians and AEC employees are working on other phases of the city-wide project.

Tom Zudick, 1916, and Tom Heaphy, 1923, are co-producers of a series of 15-minute films telling the story of various Red Feather agencies and entitled "For Whom the Bell Tolls." The films are being shown on local TV stations.

Several other Sandians are assisting in production of the program. Summer E. Lane, 5213, is director of photography; Phil Bircher, 1512, is assisting in technical production; Virgil Harris, 5251, and John R. Halliday, 1513, are doing the art; Harold Gunn, 4222, and George Thorne, 1942, are narrating.

Publicity chairman for the entire campaign is R. G. Elliott, AEC-SFO Information Director. His assistant, George Mason, also of the AEC-SFO staff, heads the publicity group for the Atomic Division, including the AEC, Sandia, Kirtland and ACF Industries, Inc. Judson Ford, AEC-

SFO Personnel Director, is general chairman of the Atomic Division.

Two separate phases of the Community Chest publicity program are being handled by Bob Gillespie, LAB NEWS editor, and Ted Sherwin, 3125. Mr. Gillespie's job is to coordinate the publicity efforts of company newspapers and magazines in the community and Mr. Sherwin is coordinating radio and television programs for the Red Feather drive.

## Registration for Wherry, Sandia Schools August 26

Registration of students at both Wherry and Sandia Base Schools will be the morning of August 26, with classes to begin that afternoon.

All children are asked to register at the school which they will attend, and requirements for beginning first-graders have been announced by Principal Leonard DeLayo.

First-year youngsters must display a birth certificate that indicates they will be 6 years old on or before January 1, 1955. They must have had inoculation for diphtheria, a vaccination for small pox, and have a physician's certificate showing their state of health.

## ★ Club Social Hour Gets Approval

Due to the popularity of the newly-instituted weekly Social Hour at the Coronado Club, added facilities will be provided for the event in the future.

The ballroom will be used each Friday evening, it was stated, and hours have been extended from 4:30 p.m. to 6.

All Coronado Club members are urged to take advantage of the special low prices, and the Chef's Special served in the dining room after the Social Hour.

French fried shrimp is slated for this Friday's Chef's Special at \$1.25.

## Sandians Elected Officers of Technical-Scientific Council

Newly-elected officers of the New Mexico Council of Technical and Scientific Societies have been announced.

A. Burton Metzger, Sandia Corporation Safety Director, was elected



John Ansley

A. B. Metzger



Nicholas Sannella

Max Weber

president. Chosen vice-president was John Ansley, 1652-3, representative of the American Institute of Electrical Engineers. Nicholas Sannella, Jr., 5424-2, representative for the American Society of Tool Engineers, was elected secretary-treasurer.

Max Weber, 5132, will be co-editor with Sannella of the group's publication, TECH ACTIVITIES.

Appointments for the managing editor and advertising manager of the magazine will be made later.

## IRE Committee to Discuss Policies of Professional Groups

An executive committee meeting of the Albuquerque-Los Alamos section of the Institute of Radio Engineers will be held August 17 at the Cedar Crest home of Ken Urquhart, it was announced today.

Plans for the coming year will be discussed, and policies for the several professional groups associated with the IRE.

Officers of the organization include: Thomas F. Marker, 5420, chairman; Kenneth J. Urquhart, 5331-2, vice-chairman; Thomas G. Banks, Jr., 5423-1, secretary, and Glenn A. Fowler, 5200, treasurer.



Photo by Laskar

MORE THAN 700 man-hours of work went into building this handsome B-26 control line model made by Wally Boyes. He constructed the model from plans outlined in Air Trails magazine. Balsa wood, aluminum, brass, and some hard woods were used.

# SANDIA LAB NEWS

Friday, August 13, 1954

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

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

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Telephones: Sandia Base Extension 25253 or 26135



## Techniques of Torture

Police in large cities always hate to see a hot spell come along because they know they're in for a wave of crime and disturbances of one kind and another. The heat makes people more irritable, and hence more irrational, and those who are already on edge from the strain of our modern break-neck pace of living, sometimes commit crimes of violence or passion.

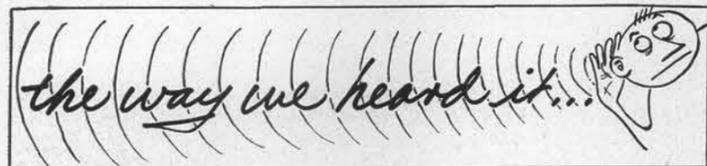
According to one psychologist, all of us can help to reduce the irritations in the lives of the people with whom we associate if we take a close look at ourselves and see whether or not we have developed any nerve-grating habits.

From talking to hundreds of nervous and irritated people, this psychologist concludes that among the most common irritants are these:

Unasked for advice, off-color stories, over-use of slang, idle gossip, constant use of such pet phrases as "See what I mean?" and inattentiveness when spoken to.

You probably have your own list of pet peeves which may include noises such as pencil tapping, cracking chewing gum, excessive "uhs and aahs" in speaking, endless humming or whistling of a favorite tune, and other trivial but impolite examples of a self-centered unconcern for others.

None of these things would, in themselves, cause anyone to "flip his beanie," but the psychologist knows that the last straw is oftentimes as insignificant as these. It's the cumulative effect, like the oriental water torture . . . drip . . . drip . . . drip.



### They Have Character

The ad spindle in the SANDIA LAB NEWS office sometimes produces a gem like this one: "Wanted: Homes for 'Calico Kate's latest kittens. Weaned. Housebroken and ready August 21. Un-pedigreed, but full of character, Johnson, Alb. 5-8851."

### Vacation Blues

Woody Reger, 1284, has decided it's more profitable to vacation in one's own backyard. His recent holiday to Nevada included: continuous rain, no fish, a "close shave" to avoid an automobile accident, and finally, as though he was a marked man, another driver smashed into the rear of his station wagon, accordion-pleating the body. No one was injured but the trip was "Operation Fiasco" as far as Woody's concerned.

### Weatherman's Picnic

The Meteorology Section, 5241-2, predicted clear skies and a pleasant cool evening for a patio picnic at Herb Plagge's home. Contrary to the forecast it rained—all of 10 drops. We know of weathermen who have missed it a lot more than that.

### Suburbia, We Love You

This is the time of year when Albuquerqueans start making mental resolutions to pave the front yard and paint it green, forget the garden next year, and concentrate on raising ingredients for juleps. Having fertilized, cultivated, sprayed, prayed and irrigated in the recommended proportions, the indomitable homeowner stands by in despair as the lawn turns a sickly brown and the truck garden droops miserably under the onslaught of unseen insects and vermin. But from the worm-ravaged plot will come a few servings of one product or another and a friend or neighbor will be forced into sharing the expensive morsel just to give the

proud harvester an opportunity to proclaim ". . . out of our own garden."

### Women Can't Drive?

Colleen Hopper takes exception with those who believe women can't drive. She sends us a picture to



prove they can. Colleen is a member of the Art Hopper family. Art works in 4153-1. Colleen is 14 months. Colleen is in the picture.

### They're Seeing "Things"

Sandia Laboratory's experimental work with captive balloons was amply announced some weeks ago and explained through the local press. But when the balloons got into the air, carrying test gear, some folks' imaginations got the best of them and they saw "things" in the sky. They're still plastic balloons made by General Mills Co. and you, too, can probably see 'em occasionally this summer to the north, over the old del Norte airport at about 700 ft. Personnel is considering putting a display ad on the balloons as the last operation brought an inquiry from a trained balloon launcher looking for work.

### Called the Shot

One of our secretaries was busy typing the other day and the machine stuck. "Rats," she commented. And sure enough, there was a mouse in the works—he was found by the typewriter repairman.

John Frizzell, 2332, spent his vacation in Chicago where he witnessed several crucial games 'twixt the New York Yankees and the St. Louis Cardinals. Dick Wynant, 2232, enjoyed a holiday with his frisky grandsons in Kansas City, Mo., and also took a jaunt to Grand Rapids, Mich., where he visited favorite fishing haunts.

Driving a handsome new grey Lincoln Capri is 2330's S. K. Thompson, and sporting a spankin' new two-tone Dodge is "Doc" Abernathy, 2331.

The folks in 2300 have been getting around: Lucy Repetti and her husband, Tony, 5424, spent their vacation in Boston with family and friends; Norene Connelly, accompanied by Becky Wade, 1622, took a holiday in Long Beach, Calif., with visits to Catalina Island, Las Vegas, Nev., and the Grand Canyon as vacation highlights; Elizabeth Six stopped in Denver, Colo., en route for a two-week vacation in Kewanee, Ill., and St. Louis, Mo.; Margaret Armijo rested at her home in Belen, taking a brief trip to El Paso and Mexico.

Rod Lord, 1932, spent his vacation at home getting acquainted with his new baby; John Lambie, 1932, visited in Ojo Caliente, N. M., during his summer holiday.

His friends in 2560 extend their best wishes for a fast recovery to Bob Dill, who has been hospitalized.

From 3162: Eleanor Neeley has returned after sick leave; Jane Powell is vacationing in Albuquerque.

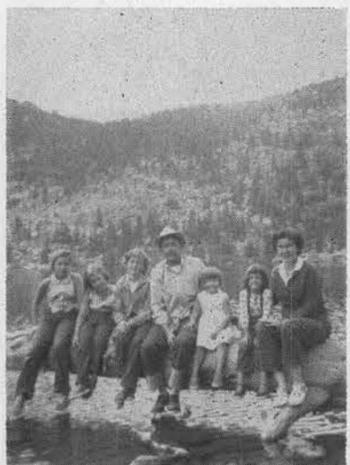
Leta Faber, AEC, spent her summer holiday in Indiana; Harry Weber, AEC, and family vacationed in Indianapolis, Ind.; Tom Cook, entertained out-of-state relatives while vacationing from AEC.

Ken Sutton, 2611, and his family will leave Monday for an outing on the Texas Gulf Coast; Violet Federaro, 2613, spent last week relaxing at her home; Dale Brautigam, 2611, is entertaining his parents who are visiting this week from Jackson, Michigan. They're going to attend the Inter-Tribal Ceremonies at Gallup, along with visits to the Carlsbad Caverns and Red River.

Shirley Case was honoree at a surprise noontime stork shower and luncheon July 30 attended by her co-workers in 2464-2.

Charles Wauchope, 2464, is vacationing in Shawnee, Okla., where his parents reside.

Jim Meikle, 2231, and his family traveled through Yellowstone Park en route to Indianapolis where they visited friends and relatives.



NO, he wasn't at a sorority meeting. It's Tim Butler, 5524, snapped during a Colorado holiday with his wife and their five charming daughters.

# around the departments



JOHNNY GRIEGO, 2362, and his bride, the former Carmel Sanchez. The couple took a 10-day honeymoon trip to California and are now at home here.

Erma, 2231, and Kenneth Campbell, 2124, enjoyed a visit to Harrisburg, Pa., last month. En route they toured the Hershey Chocolate factory where they sampled the products. Fishing, boating, and swimming near Harrisburg claimed most of their holiday time.

The Bob Flemings, 2111, vacationed in the East last month where they joined in a family reunion with Bob's four brothers, his sister and his mother at Hagerstown, Md. They also visited Ocean City and Baltimore and went fishing in Chesapeake Bay.



"KNEE-HIGH by the Fourth" is an old Iowa slogan for its lush corn crop. Wally Mitcham and his wife and children demonstrate how high the stuff was this year on Independence Day when they were vacationing in the land o' corn.

Vacationers in 5520 include: George H. Roth and family to San Clemente, California; Howard E. Viney and family to Rocky Mountain National Park in Colorado; Joe Platt and family to Iowa; Josephine Sandusky (4222) to San Diego, California, with her family.

Her friends at the Laboratory hope Nora O'Neill, 5300, will soon return to work after an extended convalescence from a siege in the hospital. Agnes Mehinski, 4222 (5351), reports she had a wonderful time vacationing at her former home, Detroit, Mich.

Harry Daniel, 1713, and his family are now on a holiday to Carlsbad, N. M., San Diego, Calif., and points en route.

From 1732: "Dick" Dickins and his wife took a tour of the Ice Caves and Mesa Verde Park during their recent vacation. Bruce Hyatt and his family are driving to southern California—Balboa, Newport Beach, etc.

Ron Burke, 1723, and family are vacationing at Ouray, Colo.

Monty Johnson, 2223, is vacationing for two weeks in Oklahoma City.

Returned to the Duke City with a new Mercury is Robert Ward, 2441, who visited his hometown of Raleigh, N. C., recently.

Mary Nell McKinney, 5522, is wished a fast recovery from recent surgery.

Robert E. Hopper, 2440, is enjoying a vacation in the deep south—his home town, DeKalb, Miss. R. M. Officer, 2441, spent two weeks vacationing with his wife at her former home, Rhinelander, Wis. They returned to Albuquerque driving a new red Mercury.

Wayne Davis, 5133, is showing relatives Acoma, Sandia Crest and other attractions of the Duke City area this week; Max Weber, 5132, and his family next week will tour the scenic spots en route to Grand Canyon, returning via the northern route through Bryce and Zion Parks; Dorris Ehret, 5132, joined members of the Sierra Club for a holiday in the Grand Tetons area; the Ralph Calverts, 5131, are vacationing in the Black Hills where they'll camp and rockhound.

Errol Gay, 2152, his wife, Inez, 2122, and their son vacationed in Colorado, touring Pike's Peak, the Royal Gorge, and traveling the new highway to Ouray. The Don Hesselbarths, 2111, camped out their entire trip while visiting parks and sights in Colorado.

Colorado's been a popular spot with Sandians this year. J. K. McDowell, 2122, and his family also took their summer holiday in the state.

Birdie Chappell, 2111, spent her vacation at home. Tom Dadian spent his two weeks away from 2111 planting a lawn and doing chores around his home. The Ben Griggs, 2124, visited relatives in Lawton, Okla.; the Paul Stewarts, 2532, vacationed in El Paso.

Skip Baca, 2465, returned to work this week following several weeks hospitalization at Veterans.

Inez Leeton was guest of honor at a party July 30 in La Cana room at the Coronado Club. Attending were her co-workers in 1941 and 4222.

Huel Brashears, 2112, was summoned to Seattle, Wash., last week because of the serious illness of his father.

Congratulations are in order for Francis B. Shea, 2112, who was married July 30 to Ruth Roush.

George H. Dixon, 2331, and his wife, Marian, 1300, vacationed two weeks in Durango. Jayne Van Lenten, 2331, accompanied relatives from New Jersey on a recent trip to the Grand Canyon; another visitor to the Canyon last month was Frank Snyder, 2331, who went with relatives from the East.



JIM DEAKIN, 1941, and his pretty wife pose for a vacation snapshot in Itaska State Park, Minnesota. They visited relatives in Minnesota and toured the Black Hills of South Dakota on their return trip.

## PROMOTIONS

**ARTHUR R. VERADO** to supervisor of section 1932-5. Art came to Sandia Laboratory two and a half years ago from Muskegon, Mich., where he had been operating his own business. A veteran of 4½ years with the Air Force, he saw duty in the Southwest Pacific. Before the war he was in private enterprise. He studied accounting at Franklin University, Columbus, Ohio, before joining the armed service.

**HOWARD F. DEVANEY** to supervisor of section 1323-2. A graduate of Texas A. and M. College, Howard holds a B. S. degree in Mechanical Engineering. He joined the Corporation in 1948 and is a member of Pi Tau Sigma at the University of New Mexico where he's doing graduate work. Howard spent three years in the U. S. Army Infantry and in the Air Force.

**CHENAULT DAVISON** to supervisor of division 2311. He has been supervisor of section 2321-1 since coming to the Laboratory two years ago. Chenaault, formerly a purchasing agent for the AEC, Los Alamos Field Office, worked as a purchasing agent for the Manhattan Engineer District when Los Alamos was a part of that organization. He also worked for the Louisville District Engineers, Louisville, Ky., in various capacities, including purchasing.

**ANDREW LIEBER, JR.**, to supervisor of section 1323-1. Andy came to the Laboratory more than two years ago. He attended the University of Louisville where he received a B. S. degree in Electrical Engineering. Previously he had worked as a test engineer in General Electric Company's jet plant in Ohio, and as an acoustics engineer with the Institute of Industrial Research in Louisville. Andy spent 1½ years in the U. S. Army Field Artillery, and was elected to Sigma Tau and Omicron Delta Kappa, honorary associations, while at the University.

**ALFRED E. WINBLAD** to supervisor of section 1321-1. A Sandian for the past two years, Al was graduated from the University of Arizona, Tucson, where he also received his master's degree in Physics. A veteran of 2½ years in the U. S. Army, Al held a fellowship in physics at the University of Arizona and also worked part-time for a power company in Tucson.

### Dick Marmon Takes 2561 Darts Honors

Dick Marmon walked off with first prize and Ed Mould received consolation prize in the darts tournament staged recently by members of 2561.

The competitive game of skill has created a lot of interest as a noon hour pastime for 2561. Players are planning future matches.

**JAY W. HUGHES** to supervisor of section 2321-1. Jay joined the Corporation in November, 1951, after receiving his Bachelor's degree in Business Administration from the University of New Mexico. A veteran of three years with the U. S. Navy, Jay was an instructor in hydraulics for the naval aviation branch. While at UNM he was elected to Delta Sigma Pi, honorary business fraternity, of which he is still an active member. Before joining Sandia, Jay worked for Standard Oil Company of Texas as a salesman for the southwest area.

**BILLY D. NEIL** to supervisor of section 1932-4. Billy came to the Laboratory four years ago after being associated with an automobile agency in his home state of Kansas for several years. He was in the U. S. Navy 17 months and saw duty as a pharmacist's mate in the Pacific Theater.

### Ex-G.E. Employees Plan Picnic Aug. 21

Local ex-employees of the Nela Park branch of the General Electric Company will picnic together August 21 at the Jack Hopperton ranch in the Manzano mountains. The party has been slated for 3 p.m.

Roads to the picnic area will be marked. Jack Sublett, 2551, information chairman, has announced. Look for the "Nela Picnic" signs east on Highway 66 to Highway 10, and for 10 miles south on Highway 10.

Each family is urged to bring food for their group, firewood, and water. Card tables will be needed also, Sublett said.

Members of the Nela Park group include August E. Binder, 1211; Robert W. DeVore, 5542; Edward P. Quigley, 1632; David C. Robertson, 1632, and Sublett.

### W. A. MacNair Speaks On Atomic Weapons Program at Sandia

Walter A. MacNair, Sandia Corporation's Vice President in charge of Research, was the main speaker at last week's meeting of the Albuquerque 20-30 Club. His talk was entitled "The Atomic Weapons Program at Sandia." Cecil Page, 1641, and Burton K. Ferris, 1643, assisted in arranging for a projector and showing the slides Mr. MacNair used to illustrate his talk.

# Hobbyist Raises Chinchillas - - Royal Fur of the Ancient Incas

Randy Parsons is a chinchilla fancier and he raises his little animals with a tenderness not usually bestowed on an animal.

And well he should, for these little beasties, the favorites of the fabulously rich Incas of Peru, today still compare in worth with the most valuable furs.

For ten thousand years, the royal rulers of the Inca nations of Peru wore long robes of silky blue-gray fur. A fur so fine that tufts of it floated on the mountain air like smoke, or twists of Andes fog.

When Indian Summer touched the leaves on the high plateaus each year, the Incan monarch sent his followers into the wild mountain passes to trap the wary rabbit-like Chinchilla. For every furry animal that died to make the robe, its Chinchilla Indian trapper died, too, according to the University library, that skins for the royal robes would remain untouched by other than high-borne hands.

Venerated untold centuries ago, Chinchilla fur even today is as costly as mink and sable. The blue-gray skins have been a luxury item throughout history—death was decreed for the Inca commoner who wore it—and will remain an expensive ornament for many years to come, according to Sandia's Randy Parsons, 6542-2, amateur chinchilla rancher and hobbyist.

#### Marketing Channels

Nowadays, Randy explained, chinchilla fur is sold only through recognized fur marketing channels and farm co-operatives. The fur cannot be imitated, Randy explains. No fur resembles the silky pearl-blue sheen of chinchilla fibers, nor its delicate density, and incredibly-soft texture. Despite its fragile appearance, Randy says, garments made of chinchilla fur have exhibited no signs of wear after thirty years of constant use.

Randy knows.

He's got 55 to 60 of the small squirrel-like animals in his garage. Randy raises the rare chinchilla as a hobby.

His animals are small—15 inches long—with bristly whiskers, and a bushy tail like a piece of unravelled hemp.

Though Randy has comparatively few of the animals, he says that one man can take care of 400 or more. The creatures are hardy, require little feed, and spend their day in sleep, their nights in stealthy midnight exercise.

#### Eat Alfalfa

Most breeders raise their animals in concrete, wire or wooden cages. Randy's units are wire, with wooden animal shelters. He feeds his charges alfalfa, wheat straw, grains of corn and oats, and barley. Water drips into each cage from medicine droppers fastened to the wire sides.

Randy's chinchillas appear supremely comfortable in their air-



Randy Parsons

conditioned artificial burrows. But in their native Andean plateaus, chinchillas exist only with difficulty at 8-12,000 foot altitude. Here they scurry from boulder to boulder in their ungainly hopping gait, eking out an uneasy existence from the coarse shrubs and undergrowth.

Chinchillas produce two litters a year of two to four young each. Their usual life span, if not cut short by a pelt-seeking trapper, averages 15 to 20 years.

Raised by amateur breeders like Randy, and by professionals in every state, in Canada, Alaska, and Hawaii, every captive Chinchilla in the world is a descendant of eleven rare animals first brought to this country by Mining Engineer Mathias T. Chapman, in 1923.

At one time in 1894, Randy relates, 400,000 of the beautiful blue-gray pelts were exported from Chile to Europe where fashion decreed use of chinchilla fur as the latest style. The self-termed "Chinchilla King" of Europe, Richard Gloeck, a wealthy Leipzig, Germany, importer, brought in more than 80,000 of the furs in

1899 alone. By 1910, the chinchilla was close to extinction. Rigorous protective laws were subsequently passed by the governments of Bolivia, Chile, Peru, and Argentina.

#### Chinchillas Everywhere

Since that time, chinchilla farms have sprung up throughout the world. Animals are now sold mainly for breeding purposes, until ranchers can build up the numbers of their herds. So costly has been the initial ranch investment for chinchilla ranchers that the first commercial offering of pelts in 31 years took place only a few weeks ago in New York.

Randy's first pair of Chinchillas cost \$900, he admits. "But the initial cost is a very small part of it all," he says. He has had to air-condition his garage, build wire-covered pens, drinking fountains, and exercise units.

All of Randy's chinchillas are identified by indelible ink tattoos in their large round ears. Beside tattoos, Randy maintains records on his Chinchillas through grade of fur, category of color, conformation, size, under-fur characteristics, texture and pedigree.

With most of the hard work behind him, Randy Parson looks ahead to future chinchilla sales. Although average skin prices a few weeks ago netted a surprising low of \$38, Randy says he's still got money in the bank with his rapidly-increasing herd.

Once in awhile he admits to a few worries: "Pneumonia," he says, "or bacterial infections or intestinal parasites which can wipe out a herd overnight. But I consider it a part of the cost in raising the world's most priceless fur."

Does Randy's wife, Vi, ever cast a covert glance at the scampering fur coats in their cages?

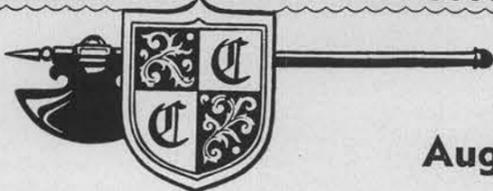
"Not yet," Randy says slowly. "But it takes 75 pelts to make a coat." Then he adds thoughtfully, "Maybe tomorrow."



Photo by Dunlap

IT DIDN'T LAST LONG—The boy is Walter Hines, son of G. H. Hines, 2221-2. The cone is from the Coronado Club patio snack bar—a super duper special.

## coronado club



August 13-28

				<b>Fri., Aug. 13</b> Social Hour 4:30-6 Square Dance 8:30-11:30		<b>Sat., Aug. 14</b> Informal Juke Box Dance 9-11	
<b>Sun., Aug. 15</b> Informal Dance Skyliners Band 8-11	<b>Mon., Aug. 16</b> Chess Night 7:30-10:30 No Dinners Tonight!	<b>Tue., Aug. 17</b> Special Dinner \$1.25 Fried Spring Chicken	<b>Wed., Aug. 18</b> Bingo 8 p.m.	<b>Thur., Aug. 19</b> Duplicate Bridge 7:30-10:45	<b>Fri., Aug. 20</b> Social Hour 4:30-6	<b>Sat., Aug. 21</b> Informal Dance 9-11	
<b>Sun., Aug. 22</b> Snack Bar is Serving Today!	<b>Mon., Aug. 23</b> Chess Night 7:30-10:30	<b>Tue., Aug. 24</b> Special Dinner \$1.25 Salisbury Steak	<b>Wed., Aug. 25</b> Special Lunch Served Every Day! 62c	<b>Thur., Aug. 26</b> Duplicate Bridge 7:30-10:45	<b>Fri., Aug. 27</b> Social Hour 4:30-6 Square Dance 8:30-11:30	<b>Sat., Aug. 28</b> Informal Juke Box Dance 9-11	

## EVENTS



Winifred Fellows



Zena Ivey



Helen Melancon



Virginia Chavez



Dorothy Carmichael

Photos by Hodges, Dunlap



David



Melanie



Nick



Nancy Lynn



Craig

# Keep Busy, Stay Young Say Sandia Grandmothers

Life is definitely not "knittin' and sittin'" for Sandia Corporation's attractive and industrious grandmothers.

And proud they are of those grandchildren. The years have treated these grandmothers lightly, and you're duly amazed when one of these young-appearing Sandians whips out a photo of Junior's junior.

The SANDIA LAB NEWS interviewed five of these busy women, to discover their activities, their hobbies, their backgrounds. Here's what we found:

Winifred "Wink" Fellows has been in the Corporation's Personnel Department for three years. Wink learned personnel work at Marshall Field's in Evanston, Illinois, where she was employed for six years. At one time she taught school but now she finds herself "always taking courses."

Wink has studied Spanish jewelry making and oil painting and plans to enroll in another art class at the

University evening college this fall. She likes to sew, she plays bridge, and her off-duty hours are full of housekeeping chores. Wink's grandson is tanned and handsome David Fellows Schmidt, age 10.

Before she joined the Laboratory three years ago, Zena Ivey, 5521-3, was head of the bridal and evening wear section for an Albuquerque department store.

The major portion of her business career she spent operating her own dry cleaning establishments in Albuquerque and her native state of Texas. She decided to try office work several years ago and attended business school to learn the necessary typing, business composition, etc. Now she is a typist-compositor in the technical manuals organization of the Laboratory.

"And I'm very happy in this work," Zena explains. Last year she took two courses at the University's adult

school, typing and vocabulary building, and she's planning for more this year.

Zena's grandchildren include: Sandra Knox, 13, and Terry Knox, 7 (children of 2463's Yale Knox), Michele Massey, 6, and Michael Massey, 4, and a newcomer, Melanie Massey, 4 months.

Helen Melancon, 1921, hasn't had a lengthy business career since she married. During World War II she did some clerical work in El Paso while her husband was with the U. S. Navy, then resumed an "8 to 5" schedule for Sandia 3½ years ago.

An accounting clerk in 1921, Helen doesn't find much time for her hobbies of sewing and ceramics with a household to manage. She has two sons, Patrick, 13, and Nick III, father of Helen's newest pride and joy, 3-months-old Nick IV. How often does Helen see her grandson? "Almost every evening . . . just have

to go see that little fellow." Helen has studied accounting at the University of New Mexico and will return next September to take courses in mathematics or English.

Virginia Chavez, a report clerk in 5522, says she has a "standing deal" to baby-sit weekends for tiny Nancy Lynn Murray . . . "in fact, I ask for it."

Before she joined Sandia 2½ years ago, Virginia was secretary to New Mexico's Erna Fergusson, well-known author. She typed manuscripts for Miss Fergusson, managed the correspondence, and handled the writer's bookkeeping.

Previously, Virginia had worked as bookkeeper for an advertising firm in Salt Lake City. She took flying lessons there, also. "Just about had my license, too," she recalls. "Then I had to have an appendectomy and that was that."

Formerly an active golfer, Virginia declares her hobbies are at a

minimum . . . housekeeping ("naturally"), that precious "baby-sitting," and raising "easy" houseplants.

Secretary Dorothy Carmichael, 1634, attended Central Business College, Kansas City, has "mostly worked" since then, combining marriage with career.

She came to the Laboratory 18 months ago following employment as a doctor's Girl Friday for several years and as a secretary at Pratt and Whitney during World War II.

Dorothy's activities center around her home where she plays ping pong or pitches horseshoes with the neighborhood crowd, when not keeping up with the usual household duties. Her youngest daughter is the family gardener, Dorothy explains. A Kodachrome picture she treasures in her billfold shows four generations together last Christmas—great-grandmother, grandmother, (Dorothy, of course), mother and baby grandson, Craig Schmuck of Topeka, Kansas.

## Congratulations

BORN TO:

Mr. and Mrs. Warren Taylor, 5143, a son, Wayne Allen, July 29.

Mr. and Mrs. Robert W. Hewes, 2222, a daughter, Roberta Carol, August 3.

Mr. and Mrs. Harry U'Ren, 2221, a daughter, Marian Julia, August 2.

Mr. and Mrs. Robert D. Jones, 1344, a daughter, Ann Elizabeth, July 2.

Mr. and Mrs. Thomas J. Mawson, 1341, a son, Richard Glenn, July 9.

Mr. and Mrs. Harvey McCowen, 1343, a daughter, Karyn Lee, July 23.

Mr. and Mrs. William P. Stearns, 1342, a son, W. Paul Stearns II, August 3.

Mr. and Mrs. Ace Wilson, 2441, a son, Richard Denny, July 29.

Mr. and Mrs. Herb Webster, 1713, a son, David Lee, August 5.

Mr. and Mrs. Ralph Olsen, 5352, a daughter, Jennifer Lynn, July 7.

Mr. and Mrs. Art Enquist, a son, A. R. Enquist, Jr., July 22.

Mr. and Mrs. George Chapman, a daughter, July 21.

## Frank Gagliardi Attends Boy Scout Leader Conference

The Frank Gagliardis were one of three New Mexico families represented at the recent one-week Boy Scout Leaders Conference at Philmont Scout Ranch in northern New Mexico.



Scoutmaster Gagliardi

Frank, 1241, and his wife and children camped out in Philmont's "tent city" which each season brings in scoutmasters and their families for a week of instruction and vacation fun. Frank recalls the beauty of the ranch, a 127,000 acre development that was donated to the Boy Scouts by a wealthy Oklahoma oil man. "We saw herds of buffalo, went horseback riding, fishing, and had a lot of enjoyment talking to the many folks who represented 21 states. It was a great place to exchange ideas." Leadership tips that Frank learned at Philmont will be passed along to other Albuquerque scoutmasters this fall when he will teach the course to the Sandia District men. The Sandian is leader of Boy Scout Troop No. 282.

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

## G. I. News—

Leo Parsons, who has been stationed at Treasure Island with the U. S. Navy, was home on leave last week and visited friends at the Laboratory. Formerly of 2461, Leo asks his fellow employees to write him at this address:

SN Leo Parsons  
Box 106, Treasure Island,  
San Francisco, Calif.

Ray Marshall was graduated an Ensign in the U. S. Navy Reserve in June and is now stationed in California where he's studying weather analysis. He and his wife are living at 101 Lighthouse Avenue, Monterey, Calif.

Another Sandian stationed at Treasure Island is Henry Passmore, formerly of 3153. Henry, son of Besie Passmore, 1644, is looking forward to a leave in September when he'll visit his friends at the Laboratory. His address is:  
Henry Passmore  
District Staff Headquarters 12ND  
Bldg. 258, Treasure Island  
San Francisco, Calif.

Sgt. D. H. Allen, formerly with 1512-1, has written to his friends at the Laboratory from Fort Bliss. He would appreciate hearing from his former associates. Here's his address:

ER 18 415 652  
Btry. A, 7th Tng. Bn., AAA RTC  
Fort Bliss, Texas.

Kenneth R. Ludwick, formerly of 2461, is now in Fort Bliss, Texas, where he is in a "Launching Specialist" school for work with the Corporal missile. Ken entered service with the National Guard in March, 1954. His address:

Cpl. K. R. Ludwick  
NG 25630156  
Hqs. Btry. 3rd Gm. Gp.  
2nd Gm. Bn. (SSM)  
Fort Bliss, Texas

M/Sgt. Gale E. Walton, who has been stationed with the U. S. Military Missions in Iran, expects to return to the States in late August and visit his Albuquerque friends. Gale has received the SANDIA LAB NEWS regularly and notifies us of his change of address:

M/Sgt. Gale E. Walton  
Det. 6-3rd Weather Sqdn.  
George Air Force Base, Calif.

## Texas Coach Speaks To Lone Star Alums

The Texas Exes Club tonight will resume meetings after a summer holiday, gathering at 7 p.m. for a dinner at La Hacienda in Old Town.

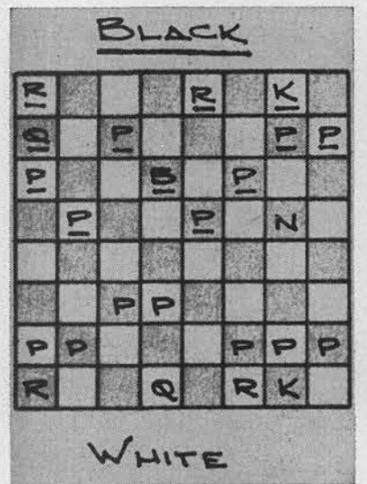
Ed Price, head coach at the University of Texas, will be the guest speaker. Dinner will be \$1.75 per person, and reservations are not necessary.

## Chess Puzzler

For Sandians who are chess enthusiasts, we present a problem designed to test their imagination and foresight.

The problem: White is to move and mate in five moves.

(See Page 6 for Solution)

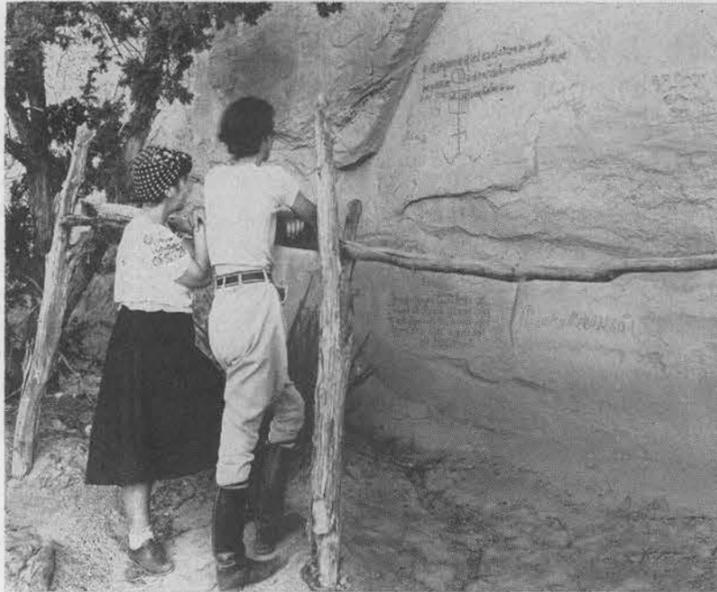


## Fish Fanciers Meet

Plans for the State Fair show will be discussed at the Albuquerque Aquarium Association picnic this evening at Roosevelt Park.

The association is providing soft drinks, salad and dessert. Interested persons are invited to attend the picnic-meeting. Warren E. Taylor, 5143, is president of the group.

# WEEKEND Vacationer



"PASO POR AQUI..." Onate's proud boast is still legible and clear despite the weathering of centuries. Here two hikers survey a few of the inscriptions that time and man have brought to the white granite cliffs at El Morro.

## Inscription Rock Near Gallup Tells Of Early Visitors to Southwest

El Morro's rocky tower hovers over the New Mexico desert near Gallup, carrying on its ageless sides inscriptions of the men who made history in passing "The Castle."

First white man to pass the imposing tower of stone was Don Juan de Onate. He told the world so, and his message remains in quaint archaic script on the north side of the granite spire:

"Passed by here the Officer Don Juan de Onate to the discovery of the sea of the south on the 16th of April, year 1606."

Stirring phrases in stone, these are, for they tell the story of unbelievable daring and endurance.

### Desert Trek

Don Juan de Onate, back in 1606 mounted 30 men on scrubby Spanish horses in sun-blistered San Gabriel and marched across deserts and mountains, plains and valleys until he reached the Gulf of California which he called the "Sea of the South." Then he marched back again.

Onate's boast is not the sole inscription. Indians, trappers, emigrants and cavalymen left their sad memorials here.

Possibly Indians had the first word. Unskilled hands blanketed the stone with suns and moons, bear and deer, crescents and swastika, a tapestry of pictographs.

Missions of revenge, exploration, conquest, and faith left their messages on El Morro:

Juan Garsya, foot soldier, 1636.

The Bishop of Durango, clergy, 1737.

The Most Illustrious Sir and Captain General Nieto, 1629.

Ensign Basconcelos, 1726.

And the famous DeVargas, 1692, who carved bitterly, "At his own expense."

### National Monument

Ultimately, the U. S. Cavalry trotted to the water at El Morro, where Lt. J. H. Simpson, USA—fresh from West Point, so eagerly chiseled his name with a broken spur.

El Morro, or Inscription Rock, was created a National Monument in 1906 and presently encompasses some 240 acres of New Mexico uplands. An arid area for the most part, plentiful water and firewood are available close to the stone heights. U. S. National Park rangers conduct tours about the monument and to its summit, where ruined cliff dwellings straddle a monstrous cleft in the sheer walls. An admission fee of 30c is charged to tour the grounds.

El Morro, accessible from Gallup and Albuquerque, New Mexico, via New Mexico Highway 53 (117 miles from Sandia Base), remains a deeply-moving remnant of an oft-time tragic, ever-colorful past.

Camping here at night, travelers spring awake to hear Onate hoarsely shouting in the dark pines. They say that Conestoga wagon wheels creak now and again in the deep trail ruts near El Morro.

But perhaps it is only the eternal wind.



### U of M Reactor

The AEC has announced the approval of allocation of fissionable materials as fuel for an atomic research reactor to be built at the University of Michigan. (Philadelphia Inquirer)

### Oil and Radiation

A new instrument developed by Robert B. Jacobs and Lloyd G. Lewis, engineers for a major oil company, uses atomic radiation to measure power potential of oil and gasoline. (Louisville Courier-Journal)

# around the departments

News from 2222: Odilia Silva and family enjoyed a recent trip to the Carlsbad Caverns; Craig Summers visited in Arizona and Colorado; Peter Cook and his family took a fishing jaunt to Colorado; Floyd Tate went prospecting in northern New Mexico; Maxine Shoemaker returned from a visit to South Bend, Ind., where she attended her sister's wedding. Jerry Hines, 2221, and family are spending a week in Las Vegas, Nevada, and California; W. D. Mason took vacation last week for a new "do" on his house.

Vacationing from 2463 are Wally Ives, off to Gunnison, Colo., and Dick Strome, visiting Las Vegas, Nev., and scenic spots en route.

From 1640: W. A. "Whit" Whitfield, a vacation at home; ditto for Carl Nylander; John Puhara entertained relatives from out-of-state; Charlie Christie, a fishing trip to Colorado.

Melba Kennedy, 2221, and her husband vacationed in Las Vegas, Nev., continuing on to San Bernardino, California, where they visited their parents.

Maridel Dyke, 1330, is vacationing this month in Glacier Park and in North Dakota with friends.

Ruth Redmond, 4222 (1521), is recovering at her home following an operation.

Sandians on vacation from 1280 include Nellis Hill, to Laramie; J. P. Wamser, to Old Mexico, and L. A. Dunn, relaxing at home.

From 2232: Paul K. Davis has returned to work following a long stay at Veterans Hospital; Chris Hensley has come back from a holiday in California. While there he was a visitor aboard the aircraft carrier Wasp as a guest of his brother-in-law. Floyd Irwin and his wife, Edith, 2231, and their family are vacationing in their home state, Indiana; George Abouseman stayed in Albuquerque during his vacation; Reginald Ostlund spent his in Colorado; Milton Guest is back on the job after recuperating from surgery.

Racine, Wis., was the vacation destination this year for George E. Hansche, 5140, and his family.

Leon Strauch, 2541, and his wife, Beverly, 2352, had a "wonderful time" visiting Las Vegas, Nev., for a week recently.

Tom Cook, 5111, and his family have returned from a relaxing vacation in Bowling Green, Ky.; E. F. Cox, 5110, and his wife and children are enjoying a summer holiday at their lakeside cottage in Canada; Dek Palmer, 5112, and his family spent their vacation visiting the East. Carter Broyles, 5111, visited his parents in Chattanooga, Tenn., last month.

Bessie Passmore returned from the hospital last week to recuperate from a severe infection caused by a cat scratch. Her co-workers in 1641 are looking forward to her return to work.

Her co-workers in 4131 wish a fast recovery for Betty Van Gundy who is recuperating at home following surgery.

Claudine DeGuisseppi and her family spent their summer holiday visiting her husband's parents in Rochester, N. Y.

## Ham Operators Write For QST Magazine

Co-authors of an article for the national magazine, QST, are A. David Middleton and Thomas F. Marshall, both of 5312-2. Their article, "Etched Circuitry for the Amateur—Now!", appears in the August issue.

The local authors describe home work shop adaptations of commercial etched circuitry processes.

Middleton operates a "ham" station under call letters of W5CA, Marshall using W5RFF. Both are members of the Albuquerque VHF Club.

## Welcome!

### Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between July 23, 1954, and August 4, 1954:

- Walter L. Nufer, Jr. ....1332
- Melton B. Rushing .....1622
- Laurie Badgley .....1643
- Clifford O. Erickson .....1643
- Jean P. Naughton .....1924
- Warren C. Schaefer .....1931
- Charles H. Carlson .....2122
- Fred M. Aragon .....2151
- Ralph J. Edaburn .....2151
- Andrew J. Fry .....2151
- Robert H. Kellner .....2151
- A. Morris MacGibbon .....2151
- Terry R. Selbert .....2151
- Lean A. Hays .....2231
- Kathryn F. Stallings .....2362
- Paul Greenblatt .....2411
- Harry A. Maritz .....2419
- John R. Chavez .....2461
- Michael J. McLaughlin, Jr. ....2461
- Marjorie K. Wells .....2461
- Mary A. Webster .....2462
- Robert L. Stokes .....2534
- Robert W. Gray .....2552
- William G. Bennett .....3151
- Bessie Berman .....4222
- Patricia Doherty .....4222
- Nancy J. Douglas .....4222
- Stata Swartz .....5120
- David C. Kleinecke .....5120
- Dorothy T. Monk .....5120
- Kellam A. Rigler .....5223
- William B. Otto .....5223
- Russell W. Frame .....5227

## Sympathy

Members of 2100 extend their sympathy to John Caldwell whose father died recently, to Flavio Gonzales for the death of his mother, and to William Bounds whose father succumbed recently in El Paso.

Sympathy is extended to Margaret Reese, 3162, whose father died recently in Albuquerque, and to Betty Tatum, 3160, who was called to New York because of her father's death.

His friends at the Laboratory express their sympathy to E. M. Irving, 2522, for the recent death of his mother.

Sympathy is extended to Nick, 1932, and Julian Perea, 2223, for the death of their brother.

## 181 Sandians Enter Military Service Since July, 1950

Since July, 1950, 181 Sandia Corporation employees have entered military service. Records in Employee Services Department show that 75 of these people have returned to work here, having completed their tours of duty. Eleven others have been released but did not return to Sandia.

Ninety-five Sandians are still in service and that figure will probably remain fairly constant. During the past fiscal year 22 employees entered service and 25 were released.

Plant services organization, 2400, has provided 40 of the employees entering the military—the highest total for any one superintendency.

Close behind 2400 are 1600, Materials and Standards Engineering, with 23; 2100, the Model Shops, with 19, and 2200, Production, with 23.

## Speaks at School

Jean Gillette, training assistant in 3124, was guest speaker for a group of students at the Browning Commercial School, Aug. 11. Her talk covered suggestions in building self-confidence, how to get along with others, and tips toward working for a goal.

## Electrical Plant

An atomic energy electrical plant to be built at Shippington, Pa., is moving into final stages of planning. The project is being undertaken to gain design and technological experience and to provide firm cost estimates for the future. (New York Times)

## Speaking of Reporters

Because she likes people and "loves to get acquainted with new folks" June Kelly enjoys her reporting stint in 1921-2 as a regular correspondent for the SANDIA LAB NEWS.



Reporter Kelly

"Mostly the people I 'cover' for the NEWS are quite cooperative," June explains. "Sometimes I have to talk them into giving me their news stories, however. They can't imagine why anyone would be interested in what they're doing. Then's when I have to 'dig' for the items."

June came to Sandia Corporation three years ago. She resides at 904 Wilmoore Dr. with her husband and two children, Mike, 7, and Demetria, 15.

"You know," June recalls, "I worked some on a school newspaper years ago... too many years ago, I guess. Can't even remember what it was I did, but I was connected with it. That's the only reporting experience I've had."

"The reason I enjoy my work with the SANDIA LAB NEWS so much is that I simply like people. I always love to get acquainted with new folks, too."

# 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.

## FOR SALE—

YOUNG GIRL'S dressing table with glass top, plastic skirt, stool \$10. DeSelm, Alb. 5-2634.

GARAGE DOOR with hardware, 8 x 7 ft. \$20; Venetian blind, 52-in. wide, 49 in. deep \$3; garage window, steel, 6 panes \$5. Coudriet, Alb. 6-1105.

BOY'S 26-in. bicycle \$10. Cox, Alb. 6-1977 between 4 and 7 p. m.

CAMP TRAILER, 13½ ft. ice box, butane hot-plate, sink, ¾ bed, closet, built-ins \$395. Bowser, 8404 Central East.

1948 FRAZER \$200; 2-wheel trailer (5½ x 7½ ft.) stake sides, new tarp \$75; Magic Chef gas range, deluxe \$110. Skinner, ext. 36138.

PIANO, Smith and Barnes upright cabinet grand, mahogany, reconditioned \$100. Eagan, Alb. 5-6820, 614 Quincy, SE.

300 SAVAGE, lever action, 2½ x Texas scope, sling, carrying case, ammunition \$130 total. Connolly, Alb. 4-5264.

PAINT COMPRESSOR, piston type ¾ HP \$25; bookcase, 6 ft. long \$8 Stiver, Alb. 6-2723.

GIRL'S ENGLISH BICYCLE \$30 or best offer. Marquez Ext. 2-6151.

1940 BUICK coupe, R&H, turn signals, brake and light sticker, \$100. Ridlon, 412 Utah, NE.

PORTABLE air conditioner for one room \$75, used 30 days. Denison 9100 Matthews NE.

REFRIGERATOR, 9½ cu. ft., Firestone \$100; couch, easy chair, coffee table, 3-way lamp, occasional chair \$50. Vulcan, Alb. 4-0305.

SOUTH BEND spinning rod, reel, line, \$30; 300 poker chip set \$15. Austin, 309 6th St. NW, ext. 2-3136.

GAS RANGE, 40-in., table top, Thomas, 1703 Val Verde Rd. SW off Highway 85.

BOXERS, 9-weeks-old, AKC, 4 males, 1 female, \$50 up. Daut, 1718 Solano Dr. NE, Alb. 5-2529.

SCOTTIES, AKC, champion pedigree \$100; Model C Hamilton Beach Mixer, juicer \$15. Porter, Alb. 6-6749.

WASHING MACHINE, apt. size \$10. Lemmon, 6022 Aspen Ave. NE, Alb. 5-2028.

1941 BUICK Special, 2-door, motor rebuilt 10,000 miles ago, tires good \$150. McIver, Alb. 5-5817 after 5.

GERMAN SHEPHERD puppies. Roherty, 1609 Utah NE, ext. 32257.

TWO BEDROOM home with den, landscaped, many extras. Helmstradter, Alb. 6-6932 after 5, weekends.

1954 JEEP, 4-wheel drive, \$1595; 1953 Traveler trailer, sleeps 4, gas refrigerator, butane lights, Jackson, 936 Ariz. SE, Alb. 6-0963.

'53 MERCURY 2-door, sun visor, R and H, Mercromatic, directional, back-up lights \$400 cash, balance \$1440, financed. Wheeler, Alb. 2-4972.

THOR IRONER \$50; 12 x 14 rug with pad \$5; twin bed with box spring, mattress \$20; Columbia LP player \$5. McCord, ext. 34273.

K-22 Smith and Wesson combat masterpiece, 4-inch barrel, never fired. Smith, see at 1001-A San Mateo SE.

STENOTYPE machine with stand, practically new \$60. Willard, Alb. 5-2429.

GAS RANGE, refrigerator, Hollywood bed, living room suite. Hevert, Alb. 5-4570.

COCKER SPANIEL pups, AKC registered, black, male, reasonable. Murar, 8914 Lexington Ave. NE, Alb. 5-9266.

GEIGER COUNTER, new unused model Orolocator M2, cost \$139.50, sell for \$125. Schauer, 408 Cornell SE, Alb. 2-7340 after 5.

DEER RIFLE, Remington Enfield, Cal. .303 Bri, modified \$35. Finders, 8606 Candelaria NE, Alb. 5-4408.

UNIQUE COFFEE table \$25; steamer trunk \$10; baby buggy \$25; Ladies Longines watch, topaz, diamonds, \$200. Sortland, 3406 Washington NE, Alb. 4-3149.

1953 17-in. TV, evaporative cooler, washing machine, book case, china cabinet, best offer. Kuphaldt, 3227-Q 34th St. ext. 32185.

ROSE COLOR platform rocker, bed divan \$55; 110 volt DC 3KW portable electric light plant \$150. Carmer, Alb. 6-4847.

BEAGLE PUPS, AKC, 6-weeks old Aug. 14 \$30. Chown, 2213 Palomas NE, Alb. 6-5350.

WINCHESTER 62 rifle, new, never fired \$39.50; 12-gauge shotgun \$7.50; blond 21-in. Hoffman TV console \$160. Watkins, Alb. 5-1077.

MOTOROLA TV, 8½-in., table model \$30. Fursa, Alb. 5-4397 after 5.

1940 1½-TON CHEVY stake body truck. Ryanczak, ext. 46232, 1423 Sloan Pl. SW.

WESTINGHOUSE roaster oven, kitchen table, stroller, make offer. Triner, Alb. 6-2273.

1951 KENMORE wringer washer with pump \$25 or best offer. Monk, ext. 37158.

REFRIGERATOR, 7.5 cu. ft. \$75. Fossum, 1815 Ross Pl. SE, Alb. 5-0535.

TABLE SAW, 8-in. with table extensions, clean, less motor \$25. Carter, Alb. 3-9008.

CHILD'S 7-ft. Koroseal playpool, almost new \$12. Castle, Alb. 5-8162.

WRIGHT CAR COOLER, 1100 CFM, electric motor, pump, really works, new price \$69.50, will sell for \$45. Walker, Alb. 5-1077.

TWO-WHEEL TRAILER with hitch \$25; Oriental rug, 9x14 with pad \$99. Winblad, 5309 Comanche Rd. NE, ext. 27262.

WINDOW CAR COOLER, never used \$10. (regularly \$15.95). Fabrizio, Alb. 3-1371.

GROCERY STORE equipment including meat case and Toledo scales. Callahan, Alb. 3-6482.

STORY-CLARK upright piano, recently tuned \$100. Binder, 3156 44th Pl., ext. 40272.

PINBALL MACHINE, unique for den, fascinating for electronics men. Gill, Alb. 4-2757 after 5:30 P. M.

FIVE-ROOM HOUSE, 320 Wisconsin St., NE, trees, lawn, shrubbery, hardwood floors, newly painted, pitched roof \$6500 balance. Cole, Alb. 2-6246.

TWO BEDROOM home, convenient Sandia, unusual patio, barbecue, swimming pool \$12,500, flexible terms. Elliott, 4640 Crest SE, Alb. 6-2874.

## FOR RENT—

TWO WEEKS free rent, 2 bedroom house, walled backyard. Emrich, 1710 Anderson Place SE, Alb. 5-9328.

THREE BEDROOM home, Hoffmantown \$75 plus utilities, water paid. Pena, Alb. 2-6707.

TWO BEDROOM home, furnished, water paid, \$125 plus utilities, available now, 1110 Princeton NE. Young, Alb. 5-4273.

THREE BEDROOM brick home, near Sandia and Kirtland, available immediately. Torres, Alb. 5-5605 after 5, weekends.

FOUR-ROOM modern valley home, water and garbage paid \$60. Didero, Alb. 4-0795.

ROOM or room and board, 218 Arvada NE. Adkins, Alb. 2-5888 after 5. Alb. 3-6701 before 5.

## WANTED—

RIDE from 1000 Carlisle SE to Bldg. 800. Ellen Fitzgerald, Alb. 6-6573.

RIDE from Marquette NE to Bldg. 802. Oltman, ext. 27152.

RIDE from vicinity Heights Community Center to 800 or Motor Pool. Arthur E. Willett, Alb. 7-8651.

DRIVERS for car pool vicinity Rio Grande, Candelaria NW to Tech Gates 4 or 5. Jim Galbreath, Alb. 4-4306.

GIRL'S 24-in. bicycle. Springer, 8822 Cordova, Alb. 5-7437.

RIDE from 2329 General Bradley (Hoffmantown) to 880. Jean Ater, ext. 3-6150.

RIDERS from Coors Road S via West Central to North parking lot near Medical. Barwick ext. 3-5258.

RIDE from Yale and Lomas NE to 880. Betty Bentley ext. 3-6150.

JOIN or start car pool, 203 Candelaria Rd. NW to Bldg. 840. Fuchs, ext. 26247.

RIDER to share expenses and driving to Rochester, N. Y., vicinity, leaving Sept. 18. '53 Ford. Evelyn Clark, Alb. 2-4164.

RIDE from 2934 Madison NE to Bldg. 880. Tillie Wheeler, ext. 31134.

RIDE from Oak St. and 1000 Central east. Jackie Jordan, ext. 20140.

TWO ADDITIONAL drivers for car pool vicinity San Mateo and Menaul to Bldg. 802. Borbely, ext. 33255.

ONE OR TWO congenial young women to join single girl in renting house or apartment. Dana Tucker, Alb. 6-7768.

RIDE from 9900 Claremont Ave. NE (Snow Heights No. 2) to Vicinity Bldg. 894. Barbara B. Brock, ext. 21249.

1937 BUICK special sedan, many extras. Also custom-built covered trailer, will carry 1500 pounds luggage or camping gear. Buss, Alb. 2-5697.

## MISCELLANEOUS—

WILL KEEP children in my home. Vick, 10021 Los Arboles Ave. NE, ext. 25252.

NEED HOMES for "Calico Kate's" kittens. Weaned, housebroken, un-pedigreed but full of character. Johnson, Alb. 58851.

## CAP Officers Attend Commander's School

Attending the recent Mission Commander's School of the 42nd Air Rescue Squadron with members of the Arizona-California CAP wings were several persons from Sandia.

The sessions were held at March Field, Riverside, Calif., and included study of various phases of air rescue procedures.

Making the trip were Major Art H. Perry, 2462; Capt. Don Schrader, 2235; Capt. J. J. Lohse, 5142, and Lt. Dick Osterby, 1641.

## IRE Will Hold Dinner, Technical Meeting August 16

The New Mexico section of the Institute of Radio Engineers will hold a dinner and technical meeting at 6 p.m., August 16, at the Desert Inn Motel.

Featured speaker is Joe Toulouse, Jr., AEC, who will talk on "Archaeological Scenes of the Jemez and Pajarito."

Toulouse is a graduate of the University of New Mexico archaeology school, and has been a member of several research expeditions for Harvard University, New Mexico State Museum, and other institutions.

The technical meeting will be held at 8:15 a.m. in Room 122, Mitchell Hall, at the University of New Mexico campus. Speakers include Kenneth Urbach, head of the high frequency instrument section, and M. G. Scharaga, assistant technical sales manager, instrument division, both of the Dumont Radio and Television Company. Their topic will be: "A New Wide Band Cathode Ray Oscillograph."

All IRE members, guests, and other interested engineers are urged to attend both meetings.

Reservations may be obtained through Dr. R. K. Moore, 5412-2, at ext. 35147.

## Caravan Club Tours Local Radio Station; To Help Stage Race

Members of the Amateur Radio Caravan Club of New Mexico will take a guided tour, August 18, through the KOB broadcast transmitter station located off North Second at its intersection with North Fourth on Highway 85.

Time of the tour has been set at 7:30 p.m., and members are urged to be on the air at that time for further information.

In addition, a tour of the KOB downtown studios will be made at this time, it was stated.

Members of the Caravan organization have been requested to provide mobile communications facilities for the first New Mexico State Sports Car Rally to be held September 18 at Fort Sumner, New Mexico. Members of the Albuquerque Sports Car Club will also attend.

Eleven members of the organization have been asked to volunteer for duty during the meet. Transmitter units will be posted at all turns, at the starting barrier, and at other vital check points during the race.

The race will be staged on runways of the abandoned Army Air Field west of Fort Sumner, it was announced.

Volunteers of the Caravan Club, and interested Sports Car hobbyists, are asked to contact Brooks Braffet at ext. 56147, or Jim Sisler, ext. 49151.

## CHESS CLUB STANDINGS AS OF AUG. 6, 1954

CLASS A	
1. Hall Jones	734
2. George Duke	725
CLASS B	
3. Warren Miller	696
4. Maxwell Miller	662
5. James R. Cole	629
6. Donald Monk	616
7. Frank Groesbeck, Jr.	612
8. John McPhate	602
CLASS C	
9. Frank Williams	581
10. Walt Howerton	580
11. James Rogers	568
12. James F. Reed	552
13. Dan McKnight	550
14. J. Harold Newman	549
15. Alex Yorgiadis	547
16. John Tolmie	521
17. Andrew Beck	521
CLASS D	
18. Lawrence Smith	496
19. Edward Harley	489
20. Lyle DeRousse	478
21. Thomas Tebben	473
22. Thomas Hoover	471
23. Gaynor Atkinson	458
24. John Gruer	447
25. Herman Brunka	429
26. Ned Wilde	413
27. Steven Luchter	411
28. Thomas Powell	406
CLASS E	
29. Frank Hildebrand	390
30. John Brunka	370
31. Lorraine Newman	362
32. Dorothy Monk	334
33. Henry Tebben	264

Fred Thurow, 1641, is hospitalized at Veterans Hospital. His friends at the Laboratory are wishing for his speedy recovery.



SCENERY AT the Coronado Club is outstanding these hot summer days, swimming devotees claim. This photo of Paula Baker, 3153-1, is offered as evidence.

## Senators-Athletics In Final Softball Tilt Monday Night

The Senators of the American League, Sandia Employees Softball Association, are pitted against the Athletics Monday, August 16, for the League championship, the employee service office said today.

Game time is 7:30 p.m., on diamond B.

This final contest of the season is a make-up game for play that was rained out earlier in the year.

All Sandia Corporation and AEC employees are invited to attend what promises to be an outstanding softball contest.

## Sunday Dance Series Starting This Week

The popular Skyliners Orchestra will play this Sunday for the first in a series of Sunday evening dances to be held at the Coronado Club.

The main ballroom of the club will be the scene of the dances, which take place from 8 to 11 p.m.

Members of the Coronado Club and their guests are invited to attend, with admission prices set at 50c for members, \$1 for guests.

## Wally Boyes Will Head Thunderbird Model Flying Club

New president of the Duke City Thunderbirds, model plane club, is Wally Boyes, 2462, former bomber pilot in World War II.

Serving with Wally as officers for the next year will be Bill Laskar, 2462, treasurer, and Phil Shew, 1511, secretary.

The Thunderbirds hold regular meetings on the second and fourth Mondays of the month at 7:30 p.m. in the aeronautical building, Albuquerque High School. Club members frequently get together Sunday mornings for flight work-outs at the State Fair Grounds.

The new Thunderbird president piloted B-17's, B-25's, B-47's, and B-26's during his tour of duty with the air force. A former POW in Germany, he was discharged as a captain in 1946 after four years of service. Next Sunday the Thunderbirds plan a model plane "jalopy race" starting at 9 a.m. at the Fairgrounds.

## Pre-Season Bowling Tourney Is Slated For Coronado Lanes

A special pre-season warm-up bowling tournament will be held for Coronado Club bowlers, it was announced today, provided sufficient interest is shown during the initial registration period.

Interested bowlers may contact their league secretaries up to 3 p.m., August 20, it was stated, and register their entries.

Entry fees have been set at \$2, with cost of bowling extra. Bowlers may bowl as many series as they wish during the tournament. Highest single score will be considered as the tournament entry.

All bowling during the tournament will be conducted on a handicap basis. Last season's averages may be used, or summer season averages. Handicaps will be computed at 75% of the difference between last season's average, and 200. Participants are asked to furnish proof of ABC-sanctioned average when contacting league secretaries.

At present, tourney plans call for bowling on August 23 through September 11, preferably on week nights.

Further information may be obtained from Charlie Kaspar, ext. 24265, or Clyde Northrup, ext. 20134.

## League Standings SANDIA EMPLOYEES SOFTBALL ASSOCIATION

Team	Won	Lost
Athletics	11	2
Senators	10	3
Yankees	9	5
White Sox	8	6
Red Sox	8	6
Orioles	5	9
Indians	3	11
NATIONAL LEAGUE		
Dodgers	12	2
Braves	10	3
Cubs	8	6
Phillies	5	9
Cardinals	3	11
Giants	3	10

Illinois was the destination for the Harry Lindquist family holiday this year. Harry works in 2112.

## Chess Puzzler Solution

(Problem on Page 4)

1. W: Q to QN3—Check  
B: K to R1
2. W: N to B7—Check  
B: K to N1
3. W: N to R6—Double Check  
B: K to R1
4. W: Q to N8—Check  
B: R x Q
5. W: N to B7—Mate