

# SANDIA BULLETIN

Vol. IV, No. 24

SANDIA CORPORATION, ALBUQUERQUE, N. M.

NOV. 21, 1952



THANKSGIVING is written all over the bright faces of 2½-year-old David and 5-year-old Paula as Mother Norma Krogdahl takes the family's big juicy turkey out of the oven. Daddy Paul Krogdahl is in 5232.

## Coronado Club Calendar Shows That Holiday Season's Just About Upon Us

With Thanksgiving coming up and Christmas not far away the Coronado Club has planned an entertainment program geared for holiday-minded members.

Starting off is the Dick Mango Orchestra which plays tonight from 9 to 1. This orchestra comes to the Club from Omaha, Neb. They've played throughout the West for years and are known for smooth, melodic interpretations. If you haven't made your reservation yet get in touch with the Coronado Club office right away. Tickets are \$1 per person.

Tomorrow night square dancers take over the ballroom from 8 to 12 while pianist Maurice Karnowsky plays from 7 to 11 in the Cocktail Lounge. Sunday night is Buffet-Dance night at the Club with the Charlie Beisel combo making music from 6 to 10. The buffet is from 5 to 7:30 with admission \$2 per member, \$2.50 per guest.

### Dance Instruction

Arthur Murray ballroom dance instruction is scheduled for Tuesday the 25th and on the 9th and 23rd of December. Prizes and a big jackpot will go to lucky winners again at the Bingo on Wednesday the 25th and on the 10th of December.

Thursday, Nov. 27—Thanksgiving Day and time for turkey at the Club. A glance at Chef Carl Hermanns' mouth-watering menu will convince you that now is the time to plan to have your Thanksgiving Dinner at the Club.

Next Saturday, the 29th, an informal dance will be held with Al Hamilton and his orchestra supplying the rhythm from 9 to 1.

In December a number of organizational parties will be held at the Club to celebrate the holiday season. On the first Friday 1900 will hold their party followed by 2300's juke box dance on Saturday. Then on the next Friday, the 12th, 1500 will celebrate and on the 13th 5400 has planned a party. Finally on the last Friday before Christmas, the 19th, 5215 will celebrate.

Meanwhile other events will be going on at the Club. Duplicate bridge players will again play on Dec. 4, 11, and 18. Buffet-Dances will be held on the 7th, with Don Lesman's band playing, and on the 21st with Charlie Beisel.

### Men's Night

Korean War films are to be featured at the regular Men's Night event on the 17th. Besides these exciting war films, a Dutch Supper will be served to all who attend.

Following Christmas an informal dance is slated on Saturday the 27th

with Doc Savage and his orchestra playing from 9 to 1. Then the next afternoon, Sunday the 28th, the Coronado Club will present its annual members only Christmas-New Year Egnog-Cocktail Party. That means free delicious egnogs and cocktails from 3 to 6 in the afternoon with Don Lesman's band providing the music for this gala get-together.

Last, but most certainly not least, is the grand and glorious New Years Eve Party to be held, naturally, on the 31st. It starts when you get there and ends when you go home. Overflow crowds are a certainty and reservations are on a strictly first come, first served basis so get yours in early. Admission is \$1 per person and Al Hamilton's Orchestra will provide the tempo.

## TV Networks Now Reach More Than Half of Country

A discussion of inter-city networks for television was presented recently by Dr. M. E. Strieby, director of technical demonstrations of the American Telephone and Telegraph Company, before a meeting of members of the Northern New Mexico Section of the American Association of Electrical Engineers in Albuquerque.

In the talk Dr. Strieby touched on many phases of the new medium and explained that since the high frequencies used for television broadcasting do not travel much beyond the horizon, reliable reception is usually not possible more than 45 or 50 miles from the station.

This is the reason, he told, that it is necessary to have television networks. These networks already connect broadcasting stations in 66 cities, reaching four-fifths of the television stations in the country and more than one-half of the country's population.

In describing the Bell System inter-city channels, Dr. Strieby explained the operation of the two kinds of facilities which are used for television as well as other communication services—coaxial cable and radio-relay. The coaxial cable, he told, can at one time carry several hundred telephone calls or the complex signal of the television image.

Radio-relay, which also can carry either telephone calls or television image, was explained by the speaker who showed how the radio-relay system uses beams of electromagnetic waves very similar to beams of light.

## Shopping to Be Simple This Year For Pat Turner

Pat Turner has the Christmas shopping problem under control.

She is enrolled in the second year of silversmith study and this year she is making all of her gifts. Those handsome cuff links, brooches and bracelets are certain to please.

For instance: a yet-to-be-completed costume pin is shaping up in pale lavender and green tourmaline, outlined in silver, its pattern the Chin-



Pat Turner

ese character for friendship; another pin is an exaggerated exclamation point, featuring deep blue malazurite set in silver. Still another piece of jewelry in the making is a large brooch in the form of an artist's palette and brushes.

Pat, supervisor of section 4222-5, lets the shape of the semi-precious stones suggest the pattern for her works. She purchases polished stones from a local mineral supply store, but hopes soon to install her own polishing equipment in her "shop" at her home, 305 Hermosa Dr., N.E. Pat's husband, Ellis A. Turner, 1952, is also becoming interested in the stone polishing project.

Pat is enrolled in William DeHart's silver-working classes, along with others from Sandia, including Dave Tarbox, 2410, John Piper, 1332, and these Sandia wives—Mrs. F. J. Given, Mrs. G. C. McDonald, Mrs. William O'Neill and Mrs. Harlan Kelsey.

In addition to her hobby of silversmithing Pat is an active gardener and antique collector. She and Ellis refinish many of the antiques themselves and as fond as Pat is of her new hobby of silver work, she says antiques are her "first love."

## Dr. Petersen to Join AEC Staff In Washington

Dr. R. P. Petersen, a Sandia Corporation physicist and a key figure in the development of Sandia Laboratory for nearly four years, has transferred to Washington, D.C., where he has joined the Atomic Energy Commission as Chief of the Industrial Power Branch in the Reactor Development Division.

Joining the AEC in this position places Dr. Petersen in the midst of the project which will seek to provide reactor developed electrical power at rates low enough to make it feasible for industrial use. This project is especially important as a result of the steadily increasing industrial demand for electricity. It is anticipated that present generating methods will be unable to fulfill the needs of the future.

Reporting to work at Sandia in January, 1949, Dr. Petersen became manager of the Department of Applied Physics. Soon thereafter he was named Director of Research, a position he held until leaving the company last week.

Dr. Petersen came to Sandia from Johns Hopkins University where he had been with the University's Applied Physics Laboratory for seven years. While with Johns Hopkins he served 38 months in the Navy working on proximity fuses, fire control and guided missile research. He was discharged from the Navy as lieutenant commander.

Born and reared in Los Angeles, Dr. Petersen studied at the University of California at Los Angeles and at Berkeley where he received his Ph.D. degree in physics in 1946 after writing a thesis on the aerodynamics of supersonic flight.

Dr. and Mrs. Petersen and their four children left for Washington last week and he will report to his new position Nov. 24.

## I.R.E. Meeting to Be at University Friday, Dec. 12

The New Mexico Section of the Institute of Radio Engineers will hear Frank Janza, 5414, present a technical lecture at the group's next meeting Dec. 12.

The talk, entitled "An Open Line Transmission System at Microwave Frequency," will be given at Mitchell Hall, University of New Mexico, room 101, 8 p.m.



CONSTABLE GLENN A. FOWLER, the people's choice, was "sworn in" to his new office recently in the above pictured ceremony. W. A. MacNair did the honors, unofficial as they were, and Constable Fowler immediately assumed the post and named Al Gruer, 5224, and Hank Willis, 1910, his deputies.

## Adm. A. E. Uehlinger Assigned Post in Sandia AEC Office

A. E. Uehlinger, Rear Admiral USN Retired, has been named Assistant Manager of the Sandia Field Office of the Atomic Energy Commission. He replaces Rear Admiral Gilbert C. Hoover (Ret.) who is now Field Manager of the AEC's new Rocky Flats Field Office in Colorado.

Admiral Uehlinger is not a newcomer to New Mexico. Since June, 1950, he has been in command of the Naval Ordnance Missile Test Facility at White Sands Proving Ground.

June 30 of this year Admiral



Admiral A. E. Uehlinger

Uehlinger retired from the Navy after 30 years of service.

From June 1949 to June 1950 he served as Assistant Superintendent at the Naval Gun Factory in Washington. While on duty there he was charged with the management and administration of the entire factory. Admiral Uehlinger started this tour of duty with the Gun Factory in 1947 when he participated in a reorganization of the facility.

### Served in Washington

A graduate of the U. S. Naval Academy in 1922, he was assigned to destroyers and saw six years of service as gunnery officer. After a postgraduate course in general ordnance at the Academy, he served on the USS Oklahoma, with the Bureau of Ordnance, on the USS Cushing (during which time he participated in the search for Amelia Earhart) and the USS Medusa.

In 1939 he reported to the Bureau of Ordnance as Gun Mount Officer. While there he expanded commercial facilities and established additional facilities for the manufacture of ordnance equipment needed due to the declared emergency.

Admiral Uehlinger was assigned Gunnery Officer of the USS South Dakota in 1942 and after training the crew was made executive officer and fought the ship in October in the Battle of Santa Cruz. During the battle the Captain was wounded and he assumed command of the ship. Later he was awarded the silver star for his part in the Battle of Guadalcanal. The following spring the ship went with the British Home Fleet at Scapa Flow until August, 1943.

### At Bikini Tests

Further assignments were commanding officer of a new transport and Ordnance Officer at Puget Sound Navy Yard. For this service he received a letter of commendation from the Secretary of the Navy.

In March, 1946, he took command of the Bureau of Ordnance Instrumentation group in Joint Task Force One and participated in nuclear tests at Bikini. After commanding the cruiser USS Amsterdam in 1946 and 1947 he was assigned to the Naval Gun Factory.

Admiral and Mrs. Uehlinger have a home on Sandia Base. They have one son, John, a graduate of George Washington University, who is now an Ensign, USNR, on active duty.

# SANDIA BULLETIN

Friday, November 21, 1952

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

Editor, Robert S. Gillespie  
Assistant Editors, William A. Jenkins, Maxine Ethridge

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employees Service Office, Building T-301. All contributions should be in The Bulletin office by noon Friday one week in advance of publication date.

Telephone Ext. 25253

## What Are We Thankful For?

*In a few days we will be observing the holiday of Thanksgiving. Over our heavily laden tables we will be able to review our blessings, but it will take the truly thankful man to recognize many of them.*

*Thanksgiving, according to Webster, is the act of rendering thanks with a prayer expressing gratitude; or as he further defines it, a public acknowledgment or celebration of divine goodness and mercies. So much for the definition of the word. It is relatively simple to be thankful, but it is much more difficult for us to recognize and remember many of our blessings.*

*The well man is grateful for his good health, the father counts his wife and children among his blessings and the successful businessman is thankful for his financial success.*

*These good fortunes of man are obvious, but we may go beyond the apparent and find the deep-seated reasons for the blessings which make us happy the year 'round as well as the one day set aside for the purpose. We may well remember that we live in a country where there are doctors to care for us, where the family is the most important unit in our society and where there is opportunity for individual initiative.*

*How many doctors do you suppose there are in Russia? How many families are separated in East Germany so that there will be no depletion of slave labor in the uranium mines? And how much chance would you have to become even moderately financially successful if you lived in any of a dozen totalitarian countries?*

*Maybe our thanks should go back to the men who wrote our Constitution or to the men who fought our war for independence. Our thanks probably should also be extended to all the men and women who have fought for the causes of our country. And they should go to the men and women who gave their lives or their health for their country during peacetime.*

*Our blessings extend beyond the immediate comforts and joys of life. The real feeling of thanksgiving comes when we realize that our heritage has made us the world's most fortunate people. Rather than feeling smug and complacent at our good fortune we should feel humble. We should give thanks that we are Americans.*



**DALE GOENS**, 2124-3, and the two fine bucks he killed a few minutes after the hunting season opened in Colorado. He hunted near Ground Hog Lake in Area 71.

**Jim Henry**, 1223, **Guy Woodruff**, 1222, and **Ed Jansen**, 1284, returned from a trip to Chihuahua City, Mexico, all wearing extra large sombreros.

Visiting his parents in Denver, Colo., recently was **Sanford Rogoff**, 1223.

**Tom Bates**, 1242-2, and his wife **Betty**, 2123, returned last week from a vacation in California where they saw the California-UCLA football game. The Golden State's chamber of commerce would be pleased with Betty's report on the weather.

**Connie Park's** friends in 2111 are wishing her a speedy recovery from a tonsillectomy last week.

**Kathryn Quinn** was honored November 10th at a stork shower by the girls in 1924. **Jane Hair** and **Vickie Bercharlie** were hostesses and the party was held at Jane's home.

Congratulations to **Jimmie Otero**, 2472-3, and his wife, **Rose**, on the birth of a son October 31 at Los Lunas. The baby is named **James III**.

**Harold V. Catt**, 4311, and his wife enjoyed a recent vacation to Texas and the South. While in Houston Harold attended the convention of the American Institute of Accountants, then went on to New Orleans and the Gulfport-Biloxi area.

When **Audrie Wilson**, 2416-1, and her husband spent a recent week end in Colorado Springs, they visited the Garden of the Gods and other scenic spots in the vicinity while a highlight of their trip was dinner at the Broadmoor Hotel.

**Dorothy White**, 2464-2, is enjoying a visit from her mother who arrived last week from Illinois. Dorothy is showing her around the state with brief trips to points of interest.

Four deer hunters who vow to do better next year are **Bill Elskes**, 2411, **R. B. Crout**, 2413, **R. E. George** and **F. C. Scott**, both of 2412.

Joining New Mexico hunters last week was **Juanita Bridges**, 2461-2, who accompanied her family to Lindrith in Rio Arriba county.

**Floyd Tate, Jr.**, 2222-2, and his wife, **Vera**, are the proud parents of a son, **Steven Joseph**, who arrived October 8 weighing 7½ pounds. Congratulations!

Off to California via Phoenix are 4135's **Neal Branson**, **Mike Coleman** and **Clarence Flaming**.

Among the happy new parents in 2232 are **Herbert Gentry**, **Julian Torrez** and **Elias Benavidez**. Herbert has a new daughter and Julian and Elias have new sons in their homes. Congratulations!

**Thyl Harris**, 3162, has returned from an "Albuquerque" vacation spent with her husband, **Elliott**, 2462, and their children.

**Pauline Campbell** and **Marguerite Barncord** were guests of honor recently at a Coronado Club luncheon held by their co-workers in 3160.

**James Laffon**, 2232-5, visited in Arizona and Nogales, Mexico, recently.

The girls in 2464-1 have decided to follow the lead of **Donna Peacock** who brought a cake for her fellow workers on her birthday last month . . . latest to "let 'em eat cake" was **Virginia Southerland** who celebrated her birthday November 10.

**Wilbur Shaeffer**, 5215, rounded out a successful season of gardening this year with a fine tomato which tipped the scales at one pound, 9 ounces.



**WHEN DELLA GONZALES**, 2541, spent her recent vacation in Washington, D.C., she enjoyed visits to most of the prominent buildings and national shrines. Here she relaxes by the fountain in front of the F.B.I. building. While in the capital city, Della was a guest of **Angela Schiavo**, formerly of 2334.

Vacationing with their parents in Detroit and Springfield, Mo., recently were **Jim Rhodes**, 2221-1, and his wife, accompanied by their baby daughter.

Fellow employees of **Jim Gravlin**, 2225, wish him a fast recuperation from a three-week illness.

**Alene Poindexter**, 2221-1, vacationed recently in Colorado Springs, Detroit and Northeast Canada.

**Richard Rael**, 2222-1, will take as his bride **Rita Tafoya** of Albuquerque tomorrow in a local ceremony. The couple will be at home at 1613 Richmond NE after December 1st.

Congratulations to **Friend Skinner**, 1331, and his wife upon the arrival of a new son November 13. The baby, who weighed 7 pounds, 2 ounces, has been named **Thomas Friend**.

**Louise Fornero**, 4222, is budgeting her paycheck to pay her husband back for damaging the front of their automobile. Louise hit a cow on the way home from a week end in El Paso.

Visiting her daughter-in-law and new granddaughter in Chicago is **Dollie Willis**, 1921-2.

## AROUND THE DEPARTMENTS



**CHARLES E. WELD**, 4152, took as his bride the former **Marie Ann Hanson** October 11 in a ceremony at the Central Methodist Church in Albuquerque. Following the wedding a reception was held at the church. The newlyweds took a honeymoon trip to Denver, and are now at home at 704 14th St. S.W.

**Cathy Mitchell**, 3154, and her husband are expected home this week end from a week's vacation in California and Phoenix, Ariz.

Enjoying a two-week vacation from 3152 is **Vern Henning** who took his family back to visit the home state of Kansas.

**Irving Kodel**, 3154, and his family have moved into a new home at 2904 San Raphael SE.

**Irene Palmer**, 3162, planned to spend her vacation on a hunting trip, but ended up at home nursing a cold.

Her friends in 3162 send congratulations to **Jane Hoffman** on the birth of a son Nov. 8.

Welcomed back to 4151 after recent surgery is **Bernice Gustafson**.

Congratulations to **Frank Lucero**, 4131, and his wife upon the arrival of their new daughter Nov. 8. She has been named **Betsy**.

**Dorothy Wang**, 4131, is spending her vacation in New York City, and **Helen Tuttle**, 4135, is visiting in Oklahoma with a former Sandian, **Ann McIntyre**, as her guest.

**Paula Jane**, weight 6 pounds 2 ounces, arrived October 26 to join the household of **Charles Matusa**, 2225, and his wife, **Erma**. Congratulations!



**SOME CATCH!** **Irvin Moore**, 2472, left, is congratulated for landing his 8-foot, 95-pound sailfish. He made the catch off the Mexican coast near Acapulco. Irvin and his wife returned last week from a dream vacation which took them through Mexico and included the deep sea fishing expedition.

New Ford owners include **E. J. Smith**, 2124-4, and **Candy Mieras**, 2351. **Jack Watkins**, 2232-5, is sporting a new Buick.

**M. D. "Doc" Bolton**, 2124-4, recently attended a welding engineers' convention in Philadelphia.

**Candido Montano**, 2352, received word from his son, **Pfc. Max Montano**, that he is recuperating from wounds received in Korea in an army hospital in Tokyo.

**June Rainwater**, 4222-5, attended the Harvest Dances last week at the Jemez Pueblo.

Visiting Trinidad, Colo., over a recent week end was 4222's **Ernestina Romero**.

**Bill Luxford**, 2331-2, and his wife are justly proud of their 13-year-old son, "Tink," who played in the percussion section of the Albuquerque Civic Symphony at the children's concert on Nov. 15 and was scheduled to play at the regular season concert Nov. 18.

The annual party for Organization 2300 will be Dec. 6 at the Coronado Club. **Mary Andersen** and **Jim Hann** are in charge of arrangements.

Congratulations to **Jerry Olguin**, 2541, and his wife. Their new son, weighing 7 pounds 9 ounces, arrived November 11.

**Jerry F. Bass**, 2334, returned from his recent vacation in Texas, where he saw a son in Bryan and visited his home town of Corsicana.

**Jesse Floyd**, 2417, has returned to work after spending three weeks in Veterans Hospital where he underwent surgery.

Congratulations are in order for **Frank Gurule**, 2461-1, and his wife who welcomed a new daughter, **Victoria Rochelle**, on November 11. The baby weighed 6 pounds, 6 ounces.

Enjoying a visit from her mother, brother and sister-in-law, all of Des Moines, Ia., is **Juanita Fidler**, 2461-3.

New car owners at Sandia include **C. E. Runyan**, 1220, and **E. G. Bauer**, 1221.

**Fern Poston**, 2461, spent a recent week end in Amarillo, Texas.

**Robert E. Sandiford**, 1213, and his wife are the parents of a new son, **Robert Edward**. Congratulations!

# Here's One Way to Prepare A Turkey For the Family's Thanksgiving Dinner

Turkey for Thanksgiving? You bet—and here is a "Carl's special" recipe from Carl Hermanns, chef of the Coronado Club:

### Dressing

- 2 pounds apples
- 1 pound onions
- 1/4 pound raisins
- 3/4 quart milk (approx.)
- 5 eggs
- 1 loaf fresh white bread
- 1/4 tsp. nutmeg
- 1/4 pound butter
- Sugar and salt to taste

### Here's How

Quarter onions and slice fine; saute in butter until almost done. Add quartered and finely sliced apples to the onions and remove from fire when apples are soft.

Cut off bread crust and dice bread into 1-inch cubes.

Beat eggs and milk together, adding sugar, nutmeg and salt. Add this to the cubed bread and mix thoroughly. Add the onions and apples, then raisins.

Line a shallow baking pan with shortening, place this custard dressing in the pan, cover with wax paper or foil and bake until firm in a slow oven.

Now for the bird: (above stuffing is for a 16-pound turkey, dressed and drawn). Singe over an open gas flame and wash. Stuff with the semi-baked dressing, sew, and season outside with salt and pepper. Rub the fowl with shortening or butter and place in pan, uncovered. Bake about 2 to 2 1/2 hours in a medium oven, baste frequently and turn. Add a little water as turkey is baking, and don't forget the frequent basting with the natural juices.

### Now the Gravy

The gravy: dice celery, onion and



Chef Hermanns

carrots and saute in drippings. Cook down until moisture disappears. Watch this operation closely. When moisture has been eliminated, add a large tablespoon of tomato puree or tomato sauce, then sprinkle 2 large heaping tablespoons of flour into the gravy. Mix well with the natural juices in the pan. Add meat stock if available, or water, mix well and stir. Add 2 bay leaves, 6 whole cloves, 6 whole allspice, and 1 dozen crushed whole peppercorns.

Strain through a fine strainer, then add the previously cooked giblets, chopped fine or ground through a meat grinder. (You can cook the giblets successfully by placing in foil paper and adding to the oven about the last 40 minutes of the baking time.)

Further season to taste with salt and pepper and Accent.

By now all you need is a healthy appetite, so happy Thanksgiving dinner!

## G. I. News

—From Sandians in the Armed Forces

Sosie Castillo, formerly of 3125, is winding up his basic training in the Anti-Aircraft Replacement Training Center at Fort Bliss, Tex. He completed his infantry training and then was transferred to the big anti-aircraft weapons for further training. Sosie reports that he went out on the range with the M-1 rifle and came away with an expert rifleman's rating and adds, "I never thought I could do such a thing." He expects to be back in Albuquerque for a Christmas furlough.

Kenneth L. Wiley, who has been on military leave from Sandia Corporation since January, 1951, has returned from the Korean area where he has been seeing service for 17 months with the Cargo Airlift. Ken has been reassigned to the training command at Lowry Air Force Base at Denver. He was in 1910 prior to entering service.

From Toul, France, comes a letter from Lt. Fred H. Schneider, another Sandian who is on military leave. Fred, who was in 1910, is acting as procurement and contracting officer for an air base at Toul. Prior to this he was civilian personnel officer at the same base. He hopes for a 30-day leave in the states in January and expects to be out of service and back at Sandia Corporation in November, 1953.

Roy C. Wedell, Jr., who is on military leave from 1951, writes to friends in 1951 that he is now in the Marines at Camp Pendleton, Calif. Roy reports that Charles Sanchez, who was also in 1951 and left for the Marines with him, is now a corporal in Special Services at Camp Pendleton.

## Deer Have a Tough Life of It But Our Sandians Report fine Hunting this Year

Sandia nimrods brought back their share of game recently during the fall hunting season.

One of the most surprised hunters among our co-workers was Eldon J. Glover, 2131. Marksman Glover killed a 300-pound brown bear in the Jemez Mountains near Clear Creek last week. One shot at 30 yards did the job as he caught the unfriendly critter right between the eyes. Hunting with him were E. Y. Bullard and E. R. Miller.

J. Hardin Simmons, 2416, was a lucky hunter, too. He bagged a 13-point buck that dressed out at 180 pounds. Only difficulty encountered is convincing his wife that they need another mounted deer head around the house.

### Quick Results

Bill Shively, 2413, shot his deer only 10 minutes after opening of the season. It was an 8-point buck, weight 200 pounds. Bill also bagged a 12-pound turkey.

There'll be venison steaks on the dining tables of these Sandia hunters, too: Jim Hockett, 2464, Joe Phillips, 2225, Frank Duggin, 2221-1, Fred Lovato, 2352, Lee Davies, 1222, Tex Aterburn, 2125-1, S. Cordova, 2472-3, Claude Gonzales, 2472-3, John Doyle, 2472-3, Cliff Hiner, 2452, Dale Goens, Don Gerkin, and Harold Burrell, all of Dept. 2124-3.

One hunting party of four bagged two 8-point bucks and 2 turkeys, the first deer being downed the opening 12 minutes of the season. These hunters were George Vaughn, 2125, Max Gasta, 5312, Willard Rappleyea, 2123, and Jean Abrell, 2331.

The season saw a lot of successful hunters from 2234, among them Jerry Sons, Bob Tant, Ted Forcum, Roy Rogers, John Franklin and Fred Brown. A 10-point deer was shot by Flaviano Sanchez, while Delfinio Jinzo, both of 2417, bagged a 12-point buck. Other 2417 hunters returning with game were Louis White and Daryl Orth, deer, and Crawford E. Luker who sent home a 20-pound turkey, but remained on the Rainy Mesa to try for a deer.

Hunters from 2232 bringing back deer were Oscar Berlier, Larry Duran, Armstead Arrington, Elias Benavidez and Dale Easton.

### Two Hunters Out-Shot

Gil Stapleton and Jeff Gammon, 2331-2, returned from their hunting expedition without a deer, but nevertheless with a good story. Seems they chased a buck out into the open and as they were readying to fire an Indian sitting under a tree shot the buck as he ran by.

And you can leave it to the women for the last word. Mary Fischer, 4222-5, shot her deer in Comanche Canyon on the Armistice holiday.

There were still many Sandians away on hunting trips at the BULLETIN deadline, and more reports from successful marksmen are expected.

## Weddings and Engagements

Pauline Campbell, 3160, and George W. Burnside, Jr., 5112, will be married tomorrow afternoon in Monte Vista Christian Church. Pauline is the daughter of Mr. and Mrs. H. C. Lindstrom of Seattle, Washington, and George is the son of Mr. and Mrs. William Burnside of Albuquerque. After a two-week honeymoon trip to Seattle, Pauline and George will make their home in Albuquerque.

December 12 is the wedding date chosen by Loveta Golden, 2222, and Sam Adkins, who is on military leave from 2142-1. Loveta and Sam will be married in the First Baptist Church. The daughter of Mr. and Mrs. Ed Speal of Albuquerque, Loveta was graduated from Albuquerque High School and attended Western Business College. Sam was with Sandia Corporation for 2 1/2 years before entering the service. He is currently stationed at Fort Ord, California.



Miss Golden

Miss Haut

Dona Haut, 3125, and Donald G. Lewis, 2545, will be married in Albuquerque early next month. Gerry Marko, AEC, will be Dona's attendant. Dona, daughter of Mr. and Mrs. Charles Haut of Chicago, has been with Sandia Corporation for the past year. Donald, son of Mr. and Mrs. D. G. McMinn, formerly of Chicago and now of Albuquerque, has been with Sandia for two and a half years. The couple will establish a home in Los Angeles shortly after the first of January. They have planned a delayed honeymoon trip to Chicago.

Announcement was made recently of the engagement of Dilia Fernandez, 1211, to A/3C Nick Trujillo, son of Mr. and Mrs. Pete Trujillo, Chimayo, N. M. Dilia is the daughter of Mr. and Mrs. Serbando Fernandez of Truchas, N. M. The wedding date will not be set until Airman Trujillo returns from overseas duty where he is serving with the Air Force.



Miss Fernandez

Miss Caine

The wedding of Barbara Charlotte Caine, 4222 (1233-1), to Airman 2/C Jack L. Ostrower will be Dec. 28 in B'nai Israel Synagogue, it was announced recently. Barbara Charlotte is the daughter of Mr. and Mrs. Benjamin T. Caine of Albuquerque and Jack is the son of Mr. and Mrs. Harry Ostrower of Laurelton, Long Island, N. Y. The bride-to-be is a Highland High graduate and attended the University of New Mexico. Airman Ostrower attended New York University and worked for the National Broadcasting Co. production staff prior to entering the Air Force. He is stationed at Kirtland AF Base. The couple will make their home in Albuquerque.



## 152 Newcomers to Company in October

One hundred and fifty-two new employees who joined Sandia Corporation during October came from 32 states. The total included 54 women and 98 men. Further increasing the population of Albuquerque were the 116 married newcomers who have 169 children.

These new Sandia Corporation employees are a well-educated group of people—they hold 58 college degrees. Following are the degrees:

- Associate of Arts ..... 1
- Bachelor of Arts ..... 10
- Bachelor of Science ..... 28
- Bachelor of Engineering ..... 1
- Bachelor of Science in Electrical Engineering ..... 4
- Bachelor of Science in Mechanical Engineering ..... 4
- Master of Arts ..... 6
- Master of Education ..... 1
- Master of Science ..... 3

### Home States

Alabama 2, Arizona 1, Arkansas 1, California 13, Colorado 2, Florida 2, Georgia 2, Illinois 9, Indiana 6, Kansas 1, Kentucky 1, Louisiana 1, Maine 1, Massachusetts 3, Michigan 1, Minnesota 1.

Mississippi 1, Missouri 2, New Jersey 4, New Mexico 70, New York 4, Ohio 4, Oklahoma 2, Pennsylvania 4, South Carolina 1, Texas 6, Vermont 1, Virginia 1, Washington 1, West Virginia 1, Wisconsin 2, Wyoming 1.

### Colleges and Universities Attended

Alabama 1, Arkansas 1, Colorado 1, Illinois 1, Indiana 1, Kansas 6, Michigan 2, Minnesota 2, New Mexico 6, New York 1, Texas 1, Vermont 2, Washington 2, Wyoming 1, Armour Institute 1, Baker 1.

Berea 1, California Institute of Technology 2, Case Institute of Technology 1, Cincinnati 1, City College of New York 1, Columbia 1, Loyola of Los Angeles 1, Marshall 1, Missouri Mines 1.

Modesto Junior College 1, North Central 1, North Texas State 1, Oberlin 1, Pennsylvania State 1, Purdue 2, Rose Polytechnic Institute 1, San Jose State 1, Southern California 1, Southwestern Louisiana Institute 1, Southwestern Texas Teachers 2, Texas Western 1, U. S. Naval Academy 1, Virginia Polytechnic 1, Worcester Polytechnic Institute 2.

The Inquiring Reporter Asks—

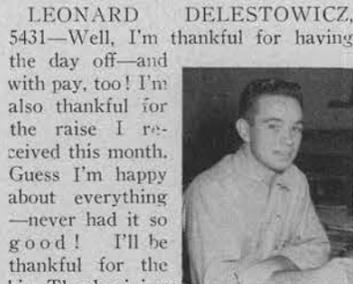
## For What Are You Thankful This Thanksgiving Day?

BETTY MOORE, 1700 (4222)—Just a number of things. I think the



two most important are the fact that I'm living in the great United States and that my family and I are in good health. We enjoy freedom of speech and religion, and all the other wonderful things so important to the individual's life. All of us should stop and think of the splendid benefits we enjoy . . . oh, there are simply "jillions" of things I am thankful for . . . guess I could write a book about it.

LEONARD DELESTOWICZ, 5431—Well, I'm thankful for having the day off—and with pay, too! I'm also thankful for the raise I received this month. Guess I'm happy about everything—never had it so good! I'll be thankful for the big Thanksgiving dinner I'll be eating; at least I hope to be eating a nice, big Thanksgiving dinner!



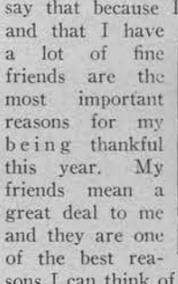
NAN BURKETT, 4232 — I'm thankful for my two youngsters and my home and the fact we're all in good health. I'm also thankful for my job, and oh . . . I'm really glad I'm a Republican and that Ike got in, too. There are so many reasons I am thankful this year, I just can't give them all to you. I guess my most important thanks are that the children are healthy . . . any parent is always glad for that.



JOSE S. CHAVEZ, 1932 — I'm thankful that my four children are okay . . . I have three girls and one boy. Because the Corporation will be closed Thanksgiving Day I'll have the day off and will spend it with my family. I live in Peralta but we are going to my mother's in Los Lunas and have a big Thanksgiving dinner, then some dancing. After that maybe we will go for a ride in the car and then go to a movie. Yes, I have a lot of things to be thankful for this year.



A. D. FLISS, 1264—Offhand I'd say that because I'm in good health and that I have a lot of fine friends are the most important reasons for my being thankful this year. My friends mean a great deal to me and they are one of the best reasons I can think of for being thankful.



EDITH J. IRWIN, 2231-4—First of all I'm thankful that my son is back from overseas and that my husband is now with me after working for six years back in Indiana. I came to Albuquerque because of asthma and sinus trouble and he remained back there on the job. Now I've regained my health and can work, and he's come out here. We've bought a home, another reason I'm thankful this year, and we have two other healthy youngsters at home, one in Highland High and the other at Emerson grade school. Sometimes it seems that I have more than my share to be thankful for.



ON DUTY IN EUROPE with the 229th Field Artillery Battalion is Dennis Cordova, who is on military leave from Sandia Corporation. Dennis has been studying German during his spare time from his duties as clerk-typist in battalion headquarters. He plans to continue his studies in Albuquerque when he returns. Dennis was in 2534 when he worked here.



OFF TO WASHINGTON to take a post with the Atomic Energy Commission is R. P. Petersen, left, formerly Director of Research at Sandia Corporation. Bidding him goodbye is R. E. Poole, Director of Development.

### Special Speakers Scheduled for Two AIEE Meetings

Two special speakers will appear at separate meetings of the Northern New Mexico Section of the American Institute of Electrical Engineers December 3 and 5.

William E. Becker of the Pacific Electric Manufacturing Company will speak December 3 on Industrial Power Development in the Philippines. The talk will be illustrated. The meeting will be at 7:30 p.m. in Room 2 of the Mechanical Engineering building on the University of New Mexico campus.

The meeting December 5 will feature Karl K. Darrow of Bell Telephone Laboratories who will talk on "Magnetic Resonance." Mr. Darrow's talk will be interesting in that magnetic resonance has only recently been discovered.

It is a phenomenon which is displayed by nuclei and also by electrons and has many applications in the fields of magnetism and electronics. This meeting will be in the Hospitality Room of the Southern Union Gas Building, 723 Silver, SW, at 7:30 p.m.

All members of the AIEE are urged to attend these meetings and bring guests. The general public is also invited.

### New Employees

A welcome is extended to the following newcomers who joined Sandia Corporation between October 30 and November 12:

John H. Brengle	1213
Rush D. Robinett, Jr.	1213
Robert M. Lacey	1281
Robert J. Kindley	1284
R. John Morgan	1321
Hans T. Scheeman	1321
Lyman Middleditch, Jr.	1322
Glenn L. Morter	1322
Joseph P. Sterrett	1331
James M. O'Toole	1541
Jerome B. Carter	1544
Bruce M. Hyatt	1716
Charles W. Peterson	1915
Marilyn L. Dobbs	1921
Victor H. Osterby	1951
George M. Quin	2122
Edric C. Cole	2123
Ellen L. Rhyne	2124
Everett M. Giseker	2125
Clarence S. Lane	2125
Marie T. Korhonen	2131
John Miziker	2131
Nena A. Brannan	2141
Ted B. Baldonado	2141

Andres Mora, Jr.	2141
Patsy H. Meadows	2231
Lillian M. Liskovec	2231
Willella Golden	2333
Glenda L. Geisenhener	2333
Eligio Baldonado	2415
Elmer J. Geist	2416
Deluvina S. Montoya	2423
Victor Padilla	2423
Candelaria Martinez	2462
Woodrow W. Goff	2472
Charles C. Pappas	2481
Lynn L. Fouts	2531
Wesley D. Furman	2532
Norma L. Bell	2541
Joseph F. Gabrhel	2545
June R. Foehr	3122
Darrel R. Brown	3152
Robert B. Evans	3230
Dorothy G. Smith	4135
Emily Makal	4135
Charles E. Roehria	4135
Martha E. Whitford	4222
Opal C. Olson	4222
E. Genese Shieler	4222
Mary M. Kinney	4222
Kathryn W. Snetzer	4222
Dorris M. Ehret	5132
James Jiral, Jr.	5421

You may not be acquainted with this device  
But it will probably affect your future —

## The Miraculous Transistor

— a newcomer to Industry

If electrical engineers were as effusive as popular science writers they might call this recent invention "the mighty mite of the electronic industry." However, practical-minded as they are, it is known as the "transistor" and it promises new horizons for the telephone, radio and allied industries.

This new development, which comes from the Bell Telephone Laboratories, is the first serious rival of the vacuum tube, so common to all of us in our radio sets. This newcomer to the industry (it was invented only four years ago) has been greeted with enthusiasm by researchers for it has the desirable qualities of great strength, small size and small power consumption — all of which the vacuum tube lacks.

treated so that it embodies a thin electrically positive layer sandwiched between the two electrically negative ends. This type of transistor derives its name from the two "junctions" between the negative ends and the positive layer.

Junction transistors require about a millionth of the power of miniature vacuum tubes. And they can amplify electric signals a million times. Some models occupy 1/4000th as much space as vacuum tubes which would perform the same job.

The little marvel is actually an electrical equivalent to the vacuum tube, but there is no vacuum, no glass tube, no space gap, no filament, and no heating-up time — there is nothing to burn out and the device works instantaneously.

### Bright Future

Jack has a collection of various types and shapes of transistors which he eyes with fondness, visualizing a great future for the invention. Electrical engineers the country over are seeing a "bright new future" when the transistor will erase many limitations and headaches which their profession has found in vacuum tubes.

A graduate of the University of Colorado, with a degree in electrical engineering, Jack has been practicing his profession since leaving school except for two years in the Navy.

He came to Sandia in 1947 after a few years working with radio manufacture in the East.

In explaining the name of the transistors, Jack says it is a coined word: "trans", referring to the device's current translating abilities and "istor" relating to such solid, conventional circuit elements as resistors.

Since Jack has returned from the East another Sandian has been at Whippany working with the transistor. J. E. Gross, 5413, returned in August after a stay of four months during which time he too learned the inside story of the electronic industry's newcomer and associated with the men who invented it.

### Plan to Move Wherry Gate

Military officials on Sandia Base have announced that the gate of the Wherry Housing area will be moved. The gate will be changed from its present location at Ridgecrest and Pennsylvania Avenue to Ridgecrest and Louisiana Avenue. This move will in effect incorporate the housing area into Sandia Base proper.

Use of the new Wherry gate will generally be restricted to the residents of the Wherry Housing area, their visitors and authorized vendors.

### Sandian Studies

The first Sandian to go to the Bell Laboratories to study the transistor was L. J. Kabell, 5415, who spent six months working at Murray Hill and Whippany on development of a digital computer for the Bell System. Jack worked close to Dr. William Shockley, who was head of the research group out of

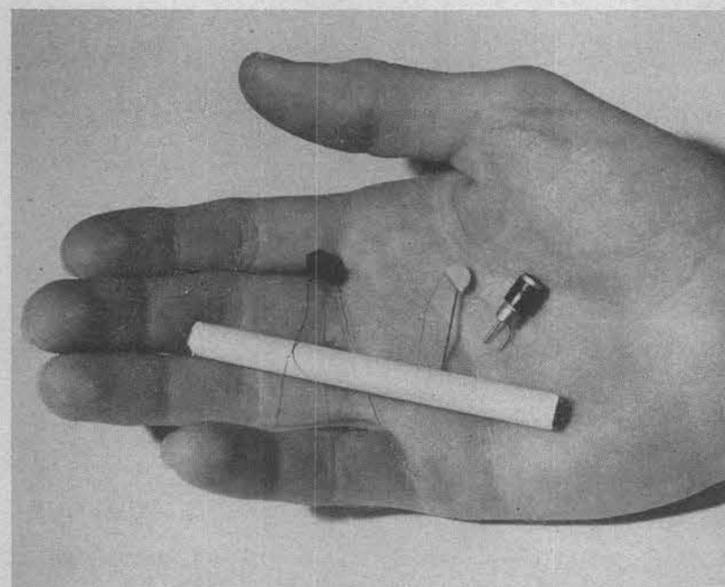
which the transistor came, and with many others in the laboratories. He has returned to Albuquerque with high enthusiasm for what he has learned about the new development.

Several models of the transistor have been developed by the Bell Laboratories. Most important of the new advances is the construction of a new type of transistor which has astonishing properties never before achieved in any amplifying device.

Original models of this type, known as the junction transistor, looked like a small pea with three wires extending from it. Later types have no more bulk than an eraser on the end of a pencil, but are extremely efficient and rugged. Jack points out that it would be possible to put junction transistors in a radio and use less electrical current for the whole set than the heater in one conventional vacuum tube.

### Small in Size

The junction transistor has no point contacts, but instead it consists of a tiny piece of germanium



THEY'RE TINY BUT MIGHTY these transistors which have been developed in the Bell Telephone Laboratories. On the left is the astounding "junction transistor" told about in the accompanying article.

## PROMOTIONS

MILAN D. BUTTOLPH, section 1242-3. Milan joined us last April



after studying for a Ph. D. in electrical engineering at the University of Arizona. His background includes three years as a motor and generator designer, a year in research and development of electrical marine applications, seven years as chief engineer for a shipbuilding firm and two years as a voltage regulator engineer. He is a veteran of five years in the Army and has a B. S. in electrical engineering from Iowa State College. Milan is a registered professional engineer in Wisconsin and Pennsylvania.

T. S. "DAN" DANIEL division 1732. Dan came here in 1950 following a Navy career that started upon his graduation from the U. S. Naval Academy in 1925. He advanced through Junior grades to Commander, serving three years in the Submarine Service, three years as electrical engineering instructor at the Naval Academy, a year as commander of Mine Division 3, Asiatic Fleet; and two years on the U. S. S. Tulsa as executive then commanding officer. From 1944 to '46 Dan was NROTC and V-12 commander at the University of New Mexico. From '47 until he joined us he was business manager, research and development division, New Mexico School of Mines.



EARLE E. GEORGE, section 1722-1. Earle came to the Laboratory in 1948. Previous to joining us he was employed for two and a half years as an electrical engineer with the Western Union Telegraph Company at New York, New York. A veteran of three years service in the U. S. Navy, Earle graduated from Stevens Institute of Technology, Hoboken, New Jersey, where he received his Degree of Mechanical Engineer.



JACK C. MILLER, section 5422-2. Jack joined us early in 1949 after three and a half years as an electrical engineer working on the development of projection TV for theatres. Previously he worked two and a half years on radar development at the Massachusetts Institute of Technology Radiation Laboratory. Jack also attended the M. I. T. Officers Radar Training School as a civilian following his graduation from Colorado A & M where he earned his B. S. in electrical engineering.

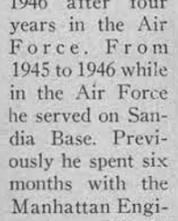


FRANK C. IRWIN, section 1262-1. Frank started at the Laboratory in 1948 following



two and a half years as a magneto development engineer. He also spent three and a half years in the Army Signal Corps and prior to that taught high school physics and math for two years. Frank has a B. A. in physics from Knox College which was preceded by 15 years experience in electrical work which included radio service, audio design and VHF communications.

G. C. HOLLOWA, department 1720. G. C. joined the Laboratory in 1946 after four



years in the Air Force. From 1945 to 1946 while in the Air Force he served on Sandia Base. Previously he spent six months with the Manhattan Engineering District at Wendover, Utah. Before entering the service he worked as a radio engineer for station KDNT, Denton, Texas, for a year. G. C. studied physics at North Texas University for four years.

### MORE—

## Around the Departments

Their co-workers are wishing speedy recoveries for two Sandians on the sick list—Fred Buttrey, 2124-4, sick at home, and Charles Walsh, 2252, who is in Veterans Hospital.

Sandia hunters included Mel Pliner and Evaristo Alvarez, 2352, J. W. Gray, 2350, Frank Baczek, 2351, E. C. Temple, 2351-3, and Johnnie Garcia, Bob Kronberger, Juan Tafuya, Al Jiron, Leo Martinez, Joe Rutledge, all of 2351. Chet Corbin, 2124-4, tried his luck, too, but brought back only a cold.

Girls of 2464-1 bade farewell to Thomas Heaphy at a surprise fried chicken luncheon November 14. Tom, who had been an editor in Publications section since February, transferred to 2510.

### Sympathy

Sympathy is extended to Eleanor Bartolucci, 2461-2, for the death of her mother. Eleanor went to Chicago for the funeral.

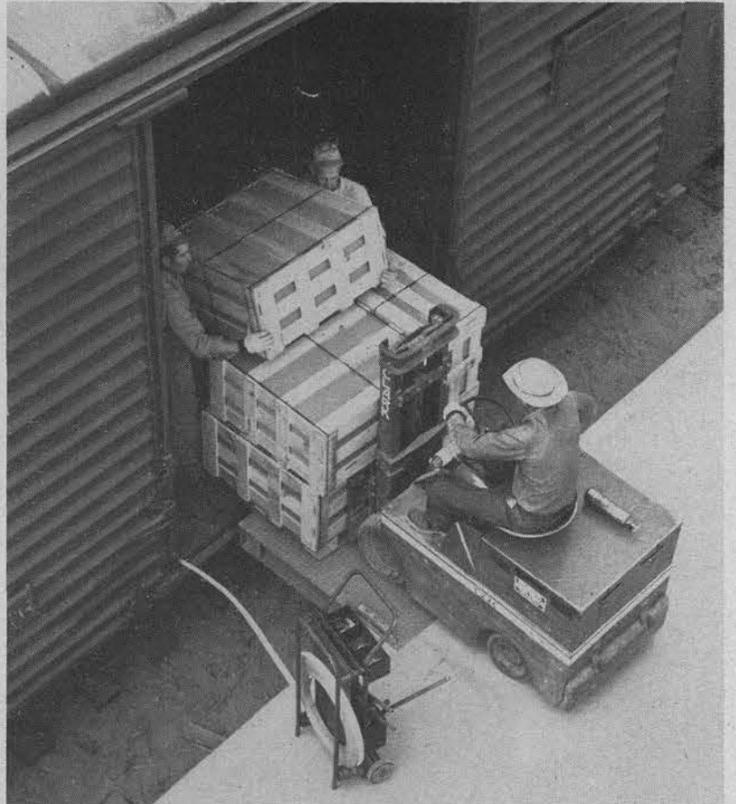
Co-workers extend their sympathy to Marcel Weinrich for the death of his father-in-law, Paul C. Coulson, October 31. Mr. Coulson had made his home in Albuquerque with the Weinrichs.



Urgent shipments come and go through  
Our Company thanks to efficiency

# Shipping and Receiving

—FREIGHT'S THEIR BUSINESS—  
Bill Nanney Driving



AN OUTBOUND SHIPMENT is loaded onto a freight car by Cornelio Padilla (left) and Dennis Benedict as Avris McReynolds handles the fork lift. Steel bands from the stand on the left are used to anchor material in the freight car.

One day last month Charlie Phelps stuck his head in Bob Copeland's office and said, "That lathe just came in, Bob. It's sitting outside on a flatcar."

"Okay," Bob said, "let's move it." And with that the Shipping and Receiving Division, 2334, pitched in to unload and deliver a 28-ton lathe ordered by one of the shops in the Laboratory.

Moving a piece of equipment that big is by no means an ordinary occurrence in 2334, even for Charlie Phelps who bosses the division's handling section. But no one in the organization gets excited about it, either. Last month Bob Copeland's division handled an average of 81½ tons of inbound and outbound shipments EVERY DAY. They're used to problems and when one comes along that's a little bigger than usual, they just hitch up their pants and dig in.

### Busy Place

Each year about 50,000 individual shipments pass through Shipping and Receiving — that's 240,000 individual parcels. To handle and process quantities like these a lot of manpower and a flexible, efficient recording system is needed. They've got both. To prove it let's take one hypothetical shipment as an example.

It comes into the division warehouse on a truck or a freight car and the handling crew starts unloading. At the same time the shipment is checked for correct billing by checking for the number of pieces, weight, obvious damage, and shortages. Then the individual shipments are entered on a "Report of Shipments Received" which is distributed daily.

Next the individual shipments are moved to designated sections of the warehouse for checking. Here the Receiving Section, under John Christopher, takes over. The receiving clerk checks the material against the packing slip and purchase order. All the receiptal data is then recorded on standard forms which go to the Record Section, under Clem Dixon,

for preparation of a receiving report.

Finally the material is delivered to the adjacent Receiving Inspection division for quality inspection. When this is completed the material is turned back to Shipping and Receiving and they deliver it to the using organization.

### Dispatched Quickly

The average time it takes for an item to go from the truck, train or plane it comes in on to the inspection division is 48 hours. Of course, this is dependent upon the urgency involved. Some items are delivered in a matter of minutes if the urgency is great enough.

Throughout all the "organized confusion" of every day's operation at the warehouse—huge trailer trucks backing up to loading docks, freight cars switching onto sidings, fork lifts moving about the warehouse floor with ponderous weights, little hand cars scurrying from stack to stack, husky men wrestling with boxes, checking, weighing—throughout all this a note of watchfulness is apparent.

Men lifting boxes do so with their legs, not their backs. Trucks are backed up to the docks with infinite care and then secured in place with wheel chocks. The man removing steel strapping from cases uses special band cutters. Shoes with steel toes, shields over the eyes, leather gloves, are everywhere in evidence.

### Good Safety Record

Carelessness could cause many accidents to Shipping and Receiving personnel with the constant movement of men and heavy objects. Yet during the past five years only one lost time accident has occurred. The credit for this fine record goes, to a large extent, to the division's Safety Committee, one of the many set up throughout the Laboratory.

The Committee is composed of supervisors and union representatives. Personnel of the various sections and representatives of the Safety organization often join the Committee's monthly meetings to discuss ways and means of solving

safety problems or reducing safety hazards.

For instance, the pavement at the warehouse docks, where the trucks come in to unload, is sloped and the Safety Committee realized that there was a chance of an accident there if a truck's brakes slipped and the truck rolled away from the dock during unloading.

Action was taken to level the dock slope and the practice of using steel wheel chocks was put into effect right away.

Thus, with an eye to safety, the men and women of the Shipping and Receiving Division keep freight moving and the wheels of Sandia's progress turning.



KEEPING TRACK of the enormous flow of material that passes through the division is the Records Section under Clem Dixon, right foreground. The girls who keep these records are: L to R: (first row)

Jerry Neuberger, Irene Brian, and Tommie Richeson. Second row: Nita Blair (at filing case), Lois Sexton, Teresa Cook, Harriet Nickel, and Colfita Aragon. Rear: Bob Copeland, and (right) Joan Hartnitt.

## How Busy?

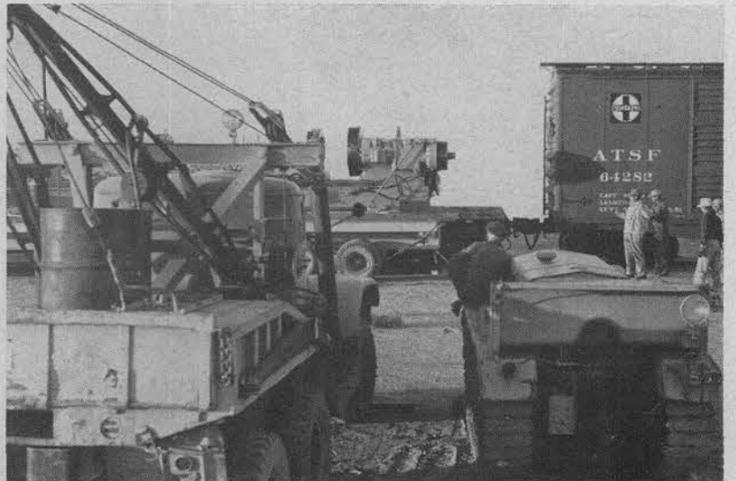
Shipping and Receiving Division:

Receives: 4,200 shipments per month  
20,000 parcels per month  
240,000 per year

Ships : 30 shipments per day  
750 per month



THE SAFETY COMMITTEE at work. L to R: Carlos Candelaria, union representative; Robert Pearce, committee secretary; Charles Bray, visiting handling section representative; Robert Copeland, co-chairman and division leader; Robert Durand, 2341, co-chairman; Clem Dixon, records section supervisor; Henry Strauss, visiting safety section representative; John Christopher, receiving section supervisor; and Charles Phelps, handling section supervisor.



WINCHES GRIND as a 56,000 pound lathe is maneuvered from a flatcar onto a trailer truck. Men of the Shipping and Receiving Division's handling section stand well clear of the straining cables.



IT'S A BOY and the proud father, Don Worthen, 3231, says there's nothing to taking care of a son. Mother Jane Worthen, who was in Organization 1 prior to Stephen's arrival, bowed out of this picture and father had his day.

## Sandia Employees Help Ski Club Plan Year's Activities At La Madera Area

The Albuquerque Ski Club, which numbers many Sandians among its officers and members, launched a big drive at its monthly meeting Monday evening to increase its membership and to sell ski-tow booklets.

Club president Dick Heim, 3122, pointed out to members and guests at the meeting that the club had to have a minimum of \$3,000 in its operating fund before it could open the La Madera ski area. The club has a little over \$1,000 in its fund now. The club hopes to raise the difference through the pre-season sale of tow tickets and through the sale of regular and patron memberships in the club.

The ski club took over the opera-

tion of the La Madera area last year after the city of Albuquerque decided to relinquish its control.

Many improvements have been made at the ski area during the summer and autumn months. Trails have been cleared and widened, snow fences erected, and the lodge and bunkhouses remodeled. Overnight lodging will be available at the area during week ends.

Another improvement at the area is the resurfacing of the ice skating rink. The skating rink will be in operation this season for the first time in three years.

Ski tow rates at La Madera will be \$3.00 per day for non-members of the club and \$2.50 for members. Reduced rates are available for persons purchasing ski-tow booklets. A book of 6 tickets sells for \$12.00; a book of 12 tickets sells for \$20.00.

Membership in the club is \$5.00 per year for individuals and \$7.00 for families. A patron membership is given to anyone who contributes any amount over the regular membership fee.

For additional information, interested persons may contact Dick Heim, ext. 29157, Henry Strauss, ext. 32133, or Pat Anderson, ext. 25254.

## Basketball Season Starts for Sandia Employees' Team

A total of 10 teams will comprise the Sandia Employees basketball league this winter, it was decided at the organizational meeting held on November 13 in the Employee Services building. Managers or representatives of the 10 teams attended the meeting.

A commissioner, secretary, and a board of directors will comprise the officers of the league. The commissioner, as yet unnamed, will decide all disputes, protests, and will interpret the rules of the league.

The board of directors, consisting of the managers of the teams in the league, will set up the rules which will govern the administration of the league. Mrs. Pat Rohde, who was named secretary, will keep records of the standings, scoring and schedules of the league.

Only employees of Sandia Corporation or AEC will be eligible to play in the league. Each team will be allowed to add players to its roster up to January 1, 1953.

League games will be played on Monday evenings in the Sandia Base gymnasium. Three games will be played nightly, the first one starting at 6:30, the second at 7:45 and the final game at 9:00. The league began last Monday evening.

## Thanksgiving Dinner Coronado Club November 27, 1952

- Choice of  
Orange Juice — Tomato Juice —  
Pineapple Juice —  
Fruit Cup Supreme  
Fresh Seafood Cocktail —  
Marinated Herring  
Blue Point Oysters on Halfshell  
(40 cents extra)  
Clear Beef Consommé Princess

### Choice of

- Celery and Olives  
Salted Mixed Nuts

### Choice of

- Hearts of Romaine with  
Roquefort Cheese Dressing  
Jellied Perfection Salad with  
French Dressing

- Roast Young Tom Turkey with  
Apple-Custard Dressing and  
Cranberry Sauce

- Roast Prime Rib of Choice  
Kansas City Beef

- Baked Sugar Cured Virginia Ham  
with Port Wine Sauce  
Roast Long Island Duckling  
with Bigarade Sauce

- Broiled African Lobster, Sauce  
and Drawn Butter

- Baked Russet Potatoes — Creamy  
Whipped Potatoes  
New Green Peas  
Buttered Kernel Corn  
Candied Southern Yams

- Homemade Hot Dinner Rolls

- Pumpkin Pie, Whipped Cream  
with Vanilla Ice Cream  
Hot Mince Pie  
Brandy Sauce with Sherbet

- Coffee Tea Milk Buttermilk

- Special children's dinner — choice of  
above items \$1.25  
Dinner Price: \$2.75  
Table service 2 to 8 p.m.  
Music of Charlie Beisel at the  
Hammond Organ

## LOST—

Brown leather sports jacket, size 38. Mont-Ward label inside. Lost in Tech. area Nov. 7. Finder please call Galen Graves, ext. 28258, after 5 call Alb. 4-4651.

## RIDES WANTED—

Want ride or form car pool from San Pedro near Constitution, H. D. Finch, ext. 23249.

From 6th St., NW, and Mountain Road to Adm. Bldg., Corporation hours, Lucille Graham, ext. 25240.

Ride in car pool from Mead's Bread factory on Coal to tech area. Jack F. Bashor, ext. 33136 or Alb. 2-8460.

Vicinity 700 block Arno, SE, to south tech gate. C. Bartlett, ext. 24152.

Want to join car pool, H. A. Keever, 3316 Hastings Dr., NE, ext. 21763.

West Iron, 1200-block or vicinity, to adm. bldg. 8-5. Marion Diehl, ext. 26148 or Alb. 3-4689.

Would like to form car pool or have regular ride from 1216 Stanford Dr., NE, or vicinity to south tech area, corp. hours. Have one other party interested in forming pool. James Stoll, ext. 25254.

## RIDERS WANTED—

Rider wanted from vicinity 1200 Princeton Dr., SE, or enroute to base, 8-5, park west side. Martinson, ext. 7121.

1 person to join 3-man car pool from vicinity 8th and Mountain Road to east tech area gate. Richard J. Callahan, ext. 33136.

## Classified

Classified advertising is printed in the Sandia Bulletin as a service to Sandia Corporation employees and employees of the AEC on Sandia Base. There is no charge for publishing the advertisements. They must be submitted in writing and

### FOR SALE—

Or Trade: Lauson 4-cycle, 2 1/2 HP outboard motor (\$50) for motor scooter that runs, Robertson, ext. 24119.

Airplane, J-4 Cub, 75 HP, Continental. 220 hrs. s.m.o. Completely rejuvenated and newly painted. Moculesski, ext. 29144.

Comb. Radio-Phonograph, 3 speed, cabinet type, full length doors, mahogany, size 42 ins. high, 36 ins. wide, 20 ins. deep. Olguin, ext. 23144, or see at 1336 Gerald Ave., SE (Kirtland Addition), \$135.

1949 Cushman scooter, \$125, also 12-ft. plywood boat, \$40, ext. 4138 or Alb. 6-0142. Tiley, 2714 Graceland Dr., NE, Bel-Air.

1950 Plymouth, 4-door sedan, new tires, new seatcovers and new battery. Sexton, Alb. 3-7421.

2 pair ice skates with shoes, ladies, size 9 and men's, size 9, \$5 per pair. Sanders, ext. 29151 or Alb. 2-1546. 909 1/2 Copper, NE.

Deep freeze, upright 6 cubic ft., \$150. Shaw 5106 Cherokee Rd., NE. Bel-Air.

Home in mountains, 5 minutes from city limits. 5 rooms, modern, WB fireplace, garage, 1 1/2 acres. \$8,500—terms. Kernodle, ext. 7170.

Deluxe baby carriage with mattress, \$25. Also car bed with plaid mattress, \$5. Eisenberg, ext. 22161.

Mahogany double bed, Simmons springs and mattress, extra clean, \$75. Orthopedic Simmons mattress, nearly new, half-price at \$35. Also 2 single-window Venetian blinds, \$5, or \$3 each. Buck, ext. 32247 or see at 9010 Matthew Ave., NE (Hoffman-town).

Phono-amplifier, 6-watt Heath, 2 inputs, bass and treble controls, \$15; also electric sander, Craftsman vibrator type, \$7.50. Bircher, ext. 22161.

Electric vacuum sweeper with revolving brush and complete set of attachments, \$20. Also Oriental rug, dark rose color, 5' x 7', \$35. Smitha, 8607 Menaul Blvd., NE, ext. 32125.

Walker Taylor Tot, collapsible, hardly used, \$5. May be seen after 5 P. M. or week ends at 2530 La Veta Dr., NE (Bel Air) Allen.

1 pr. black ice skates, size 3, \$3, and 1 pr. white ice skates, size 4, \$5, or trade for good pair white skates, size 5, Ethridge, ext. 25253.

RCA Voltomyst Jr. vacuum tube meter \$25. Heath Kit 5 inch oscilloscope, model O-5, \$35. Earle Fletcher, ext. 7148.

Longhaired miniature Dachshund puppies, just right age for Christmas gifts. \$75 and \$100. Goodrich, Alb. 5-3971.

Twin beds, complete, Jenny Lind type, \$70 or will sell separately. Also 2 fluorescent bed lights, \$2.50 each. Call evenings after 6 or anytime Sunday. Terry, 1116-A Wilmore Dr., SE, or Alb. 3-2115.

Portable Smith-Corona Typewriter, 5 years old, used very little, \$68. Gustafson, ext. 25258 or Alb. 5-3322, eves.

Bassinets, playpens, and other baby equipment, Huenefeld, ext. 2-9263 or Alb. 6-1477.

1949 2-door Ford 8, R and H. New tires, clean, \$1050, Maxwell, ext. 31314.

Small 2-bedroom furnished house with view of mountains, 10 minutes from Base. Reinertsen, ext. 26225 or Alb. 5-1954.

1950 Fleetline Chevrolet, 4-door sedan, \$1,250. Williams, ext. 23244 or Alb. 5-3652.

Un-used Webster Chicago tape recorder, Model 210, \$150, Krogdahl, ext. 23193.

GE Television with 10 in. screen and outdoor antenna, \$85; Frigidaire, 7 1/2 cubic ft., \$85; girl's white figure ice skates, size 6, \$5; Hunter, ext. 25273.

contain the name and base telephone extension of the advertiser. Each advertisement will be run one issue. Deadline: Friday noon, one week prior to date of publication.

Electric train, Lionel "OO" gauge scale locomotive and tender with built-in whistle, 3 freight cars and caboose, 43 sections, 3 rail bakelite base track, 2 remote control switches, crossing signals, tunnels, highway lamp poles, station platform, model Q transformer and all controls. Complete layout, \$100. Also electric train, American Flyer, 2 rail scale locomotive and tender with smoke control, automatic couplers, remote control dump car, searchlight car, box car, caboose, plenty track, all controls except transformer, \$25, Maglitt, ext. 25144.

'41 Nash Ambassador "6" 5-passenger coupe, \$70, Haddon, ext. 4252.

Tape Recorder, Microphone and tapes, \$75. Henderson, Alb. 3-8966.

1942 Ford 2-door Sedan, heater, clean inside and out, \$295, Meyer, ext. 7153 or Alb. 6-3926.

1940 Nash 4-door, clean, good tires, Gregory, ext. 22240 or Alb. 3-8066.

Tailor-made maternity clothes, 1 suit plus 2 extra smocks, size 14, small, Wing, Alb. 5-6470.

Graphic view camera with tripod, head and carrying case, F 7.7 8 ins. lens, \$100; pair hand carved tapaderas for western saddle \$25, breast collar \$7. Heath, Alb. 5-5418.

Retina II-A 35-mm. camera, F.2 lens, built-in range finder, almost new, \$125. Also '47 Cushman Scooter, \$45, Chenoweth, ext. 26250, or Alb. 7-9953, or see at 2521 Camellia Ct., SW.

'49 Harley-Davidson Motorcycle, overhead valves, low mileage, sacrifice for \$395, Wright, ext. 25247 or Alb. 5-6328.

Studio couch, Simmons make, Litz, 1915 Virginia, NE.

Telescope sight, 4-power, Baca, Alb. 2-5955.

Gas heater, 35,000 BTU upright 36" x 15", complete with stove pipe, will heat normal sized house, \$30. Garcia, ext. 29236 or Alb. 2-9470.

Whizzer motor bike, \$75, Windsor, ext. 28260, or Alb. 2-7036.

Whitaker "micro-16" camera, practically new. Good for color. Ideal for skiers and hunters. \$15. Miller, ext. 29237.

8-cu. ft. Frigidaire, \$45; large chest-of-drawers, \$12; small chest, \$7; Vanity, \$8. High chair, \$6. Ryan, 5501 Granite, NE, Alb. 6-1683.

New University Cobra Tweeter, model 4408, range 600 to 15,000 cps.; also model 4410 crossover network, Couden, ext. 3-3151.

Lady's dinner dress, size 14, ballerina length with bolero, taffeta, ancient blue shade. Nott, Alb. 3-9145.

Kenmar Contour chair, originally cost \$139.50, will sell for \$75. Mould, 501 California, SE, ext. 26225.

2-bedroom home, walled yard, corner of Kathryn and Cardenas, \$8700. Sieglitz, Alb. 5-8343.

Puritan brand deepfreeze, 23 cu. ft., 2 compartments, used, 94 in. x 28 1/2 in. x 39 in. high, \$250. Insurance Division, ext. 6266.

### TRADE—

3-bedroom house, 1 1/2 acre lot for 2-bedroom house in Heights. Chaves, Rte. 3, Box 3144 on Mares Ave., or Alb. 2-8318.

### WANTED—

Good home for very cute small puppy, black and white, female. Ryan, ext. 2-9142 or Alb. 2-6792.

Want to buy roll top desk, Henderson, Alb. 3-8966.

### FOR RENT—

3-room furnished apartment, 1510 6th St., NW, Trujillo, ext. 7240 or Alb. 2-4947.

## Bowling Leagues

### INDIAN LEAGUE

Team	Won	Lost
Mohawks	18	10
Arapahoe	17	11
Hopi	14 1/2	13 1/2
Navajo	14	14
Potawatomi	14	14
Blackfeet	13	15
Apache	12 1/2	15 1/2
Zuni	9	19

### Team and Individual (Handicap)

High team series: Apache 3121.  
High team game: Apache 1184.  
High individual series: Mason 709.  
High individual game: Lloyd 279.

### Top 10 Averages

Nendell 187; Witney 174; Parsons 172; Fink 140; Chaves, Stone, Malley, 169; Leonard 167; Northrup 166; Horne, Baumgartner 163.

### MAJOR LEAGUE

Team	Won	Lost
1. White Sox	20	8
2. Athletics	17	11
3. Indians	17	11
4. Tigers	15	13
5. Yankees	12	16
6. Senators	11	17
7. Red Sox	10	18
8. Browns	10	18

### Team and Individual

High team series: Tigers 2593.  
High team game: Frantz 552.  
High individual series: Zahn 579.  
High individual game: Zahn 246.

### Top 10 Averages

Atzberger 192; Zahn 173; Taylor 170; Johnson 166; Wade 165; Repetti and Nissen 164; Brunmeister 163; Fitch 161; Payne and Lincoln 158.

### MAJOR LEAGUE (DOWNTOWN)

Teams	Won	Lost
1. Mackeys	25	11
2. Ace	23	13
3. Kings	22	14
4. Strombergs	21	15
5. Hobson	20	16
6. Neis	19	17
7. Jack's	16	20
8. Patterson's	16	20
9. Hassebroek	16	20
10. Sowell	15	21
11. Corners	14	22
12. Chicks	9	27

### Team and Individual

High team series: Hassebroek 2536.  
High team game: Hassebroek 879.  
High individual series: Frantz 552.  
High individual game: Frantz 214.

### Top 10 Averages

Wright 176; Rappelaye 174; Johnson 170; McKinney and Gasta 169; Mills and McKinley 167; Leonard, Frantz, Duffield, Sparger, Wade and Kerl 164.

### LADIES' "JEWELLETTE" LEAGUE

Team	Won	Lost
1. Zircons	26 1/2	5 1/2
2. Emeralds	23	9
3. Onyx	17	15
4. Turquoise	16 1/2	15 1/2
5. Sapphires	15	17
6. Jades	8	24
7. Garnets	8	24
8. Diamonds	7	25

### Team and Individual

High team series: Zircons 2157.  
High team game: Zircons 758.  
High individual series: Fauerbach 564.  
High individual game: Fauerbach 229.

### Top 10 Averages

Fauerbach 159; Butler 154; Sinsel 148; Hainlen 143; Burg 142; Muchowski 141; Taylor 136; Masak 135; Wallace, Sherwood 131; Milligan 130.

### ALL-STATES LEAGUE

Team	Won	Lost
1. Wisconsin	20	12
2. Iowa	19	13
3. Oklahoma	16	16
4. California	16	16
5. Illinois	16	16
6. Indiana	15	17
7. New York	14	18
8. Michigan	12	20

### Team and Individual

High team series: Wisconsin 2431.  
High team game: Michigan 886.  
High individual series: Fellows 579.  
High individual game: Gorry 227.

### Top 10 Averages

Ginther 172; Parsons 169; Fellows 165; C. Lindquist 164; Muchowski 163; Schenke 161; Johnson 160; D. Jenkins 159; Callahan 159; Thierman 157.

### JUNGLE LEAGUE

Team	Won	Lost
1. Lobos	23	9
2. Lions	21	11
3. Wildcats	20	12
4. Gophers	18	14
5. Mustangs	14	18
6. Rabbits	14	18
7. Bears	12	20
8. Panthers	6	26

### Team and Individual

High team series: Lions 2582.  
High team game: Lions 911.  
High individual series: Mills 605.  
High individual game: Mills 233.

### Top 10 Averages

Duffield 177; Mills 176; Davis 174; Campbell 173; Rowe 172; Hickey and Cook, 171; Findlay and Sweede 165; Hake, Marmon, 162.



RADIO CLUB OFFICERS for the next six months are pictured above. L to R: Charles M. Butler, 3152, secretary; Silas A. Upson, AEC, president; and Robert T. Pegue, 2122, vice-president.