



THE SNOWS HAVE COME TO THE SANDIAS. Here's a scene at La Madera Winter Sports Area in the Sandia Mountains. This season plentiful snowfall at La Madera has made the area a winter wonderland. Eight inches of fluffy powder snow fell recently on top of a foot or more of old snow. The young fellow in the picture is kicking up snow dust as he rounds a snow fence. La Madera is operated by the Albuquerque Ski Club. The club president is Dick Heim, 3122, and chairman of the operating committee is Henry Strauss, 3170.

Sandia Archers Bag Three Deer In Special Hunt

Bow and arrow hunters had another field day during the recent week-long special archers' season in the Pecos Game Refuge area. Eighty hunters tried their luck and skill and six came back with deer.

Three of the successful six are from Sandia. Jim Warne 2532-6, Jim Brooks 2452, and Roger Rice 2126, are all eating venison steak nowadays.

Hit on First Day

Jim Warne bagged his deer with the second shot on his first day of hunting. The deer, dressed out, weighed 102 lbs. Fred Brooks got his deer with a single short uphill shot. The deer fell only 10 feet from where it was shot.

Frank Treon 2452, who went along as a guide, said that Fred's luck was a lot better than his. At another hunt earlier in the fall Frank shot a deer, tracked it 'til dark, returned the next day, found the deer dead, discovered the meat was spoiled.

Ruined Hide

Roger Rice is still muttering under his breath. The hide of his deer is completely ruined. Roger shot the deer and saw it disappear over a hill. He dashed after it only to find it downed on the other side of the hill looking like a pin cushion. It seems a group of juvenile hunters had emptied their quivers into the animal before Roger could get there.

Other Sandians who participated in the hunt — without success — are: Frank Ewing, George Marks, Clyde Babcock, Gene Oswald, and Dick Strome, all of 2463; Bob Thomas, 1281, Jim Karo, 2465, Jess Rehberg, Ed Amonette, and Gene Bussey, 5225; Bill Galloway, 2532-6, Ed Kobiela, 1312, and Corry McDonald, 1210.

Special Speaker Talks to Folks At Salton Sea

The Stone Age culture of Australian aborigines was the subject of a talk accompanied by motion pictures presented recently at the Salton Sea San Felipe Lodge by Clark C. Evernham, managing director of the San Diego Museum of Man and member of the three-man governing council of the Western Museums Association.

Mr. Evernham and Douglas Moore, of El Cajon, California, were guests of Mr. and Mrs. Karl R. Rosenberger, AEC. The films, made under the direction of the Adelaide University of Australia, depicted the incredibly primitive cultures of the natives living in the remote sections of the Australian continent.

Club Restaurant, Ballroom to Close For Several Days

The Coronado Club cafeteria will be closed from 2 p.m., Friday, February 20, until Tuesday, February 24, and the Club ballroom will be closed from the 24th until Saturday the 28th in order to permit the resurfacing of floors.

These closing dates do not affect other parts of the Club. The Cocktail Lounge, Lobby, Office, and entire downstairs area will remain open while the floors of the ballroom and cafeteria are being resurfaced.

In addition, the ballroom will be open while the cafeteria is closed and the cafeteria will resume serving while the ballroom is closed.

Sandia Santas Give Help to Needy Families

Personnel in organization 2125 took the Christmas spirit to heart and played Santa Claus to five needy families in Albuquerque.

The Salvation Army gave them the names of the families and these Sandians did the rest. They got together and bought food and trimmings for Christmas turkey dinners for each of the families. Not content with that they gave the families both new and used toys and clothing.

Another good Samaritan organization is 3152-1. They also gave a Christmas basket of food to a needy Albuquerque family.

Mobile Radio-Phone To Be "Ham" Topic At Meeting Jan. 12

Radio "hams" will hear a talk on "Mobile Radio Telephone Design and Service" at the Sandia Radio Club meeting Jan. 12, 8 p.m., building T-317, H Street.

The speaker will be Walter C. Hunter, 5432. Walter has taught electrical engineering at Oklahoma A&M and for nine years he has been with the Bell Telephone System, first with the Western Electric Company as a radar field engineer, and later with Bell Telephone Laboratories engaged in the development of railroad and mobile radio-telephone equipment.

The Club will meet again Jan. 23 for a Spare Parts Auction Night and on Feb. 9 Norber Gamara, 5412, will speak on "Theoretical Considerations in Antennas."

SANDIA BULLETIN

Vol. V, No. 1

SANDIA CORPORATION, ALBUQUERQUE, N. M.

JAN. 2, 1953

EAST GATE HOURS

Effective today (Jan. 2) the East Gate to Sandia Base, via Eubank Drive, will be open only at rush hours. It will be closed Sundays. M.P.'s will be on duty week days 7 to 8:15 a.m., 11:45 a.m. to 1:15 p.m., and 4:45 to 5:30 p.m.

Human Relations To Be Discussed At AIEE Meeting

"The Human Side of Our Business," a discussion of the human relation problems of engineers, will be presented at the next meeting of the Northern New Mexico Section of the American Institute of Electrical Engineers, Jan. 12, 7:30 p.m., room 2, Mechanical Engineering Building, University of New Mexico.

The speaker will be Mr. K. W. Haagenen, director of public relations for Allis Chalmers Manufacturing Company, Milwaukee, Wisc.

This meeting is open to the general public.

Magicians Meet To Study Special Production Effects

Production effects — that is, producing objects out of thin air — will be the theme of the Albuquerque Magicians' Club meeting next Friday, Jan. 9, at the Franciscan Hotel, 7:30 p.m.

Participating in the evening's magical study will be William G. Jenkins 2544, C. N. Hickman 1400, Jim Dossey 5225, Al Spengeman 4150, Dean Wise 2125, Don Tompkins 1541, and Howard Westgate 1231.

Booklets on Taxes, Popularity Rate Highest in Take

Social and economic subjects were the most popular booklet rack offerings during 1952 according to figures compiled by the Public Relations Division. The "Income Tax Guide" and "Six Ways to Make People Like You" were easily the most appealing, with 82 per cent of the employees picking up the tax guide and 75 per cent the popularity guide. Both were "sell-outs" and many employees asked for copies after the supply was exhausted.

"Fun" Rates High

More than 60 per cent of the employees here picked up copies of the "Telephone Almanac," "Facts About Used Cars," "Family Records," "Rate Yourself," "Baseball," "Picnic Meals," and "Everyday Law." Nearly 70 per cent wanted to know "How to Live 100 Years Happily," and 71 per cent got a copy of "Fun For The Family" before the supply gave out.

Other booklets which proved very popular with demand exceeding the supply were "May The Best Man Win," an election handbook, "The Enchanted Goose," on economics, "Tips on Home Electrical Repairs," and "Better Bowling."

Tax Guide

Booklets coming out in the near future include the perennial favorite, "Income Tax Guide For Employees," two selections sure to be popular with the ladies concern home decorating hints and sewing tips, and a health booklet dealing with how to treat a common cold.

Anyone who has an idea about a booklet of general interest suitable for the racks is invited to call the Public Relations Division, 3125, ext. 26150.

Sandians, University Officials Slate Meeting to Discuss Evening School

Sandia Corporation employees, along with military personnel, AEC, and civil service employees, will have an opportunity this month to talk over their educational desires with faculty members of the University of New Mexico.

Meet at Coronado Club

Separate meetings will be held simultaneously Monday night, Jan. 12 at 8 p. m. in the Coronado Club for those interested in graduate study and those who are seeking undergraduate courses.

The principal speaker for the graduate group will be Dr. Edward F. Casletter, dean of the Graduate School and head of the University's biology department. Dr. Harold O. Ried, dean of Arts and Science and the General College, will address the meeting of employees interested in undergraduate study.

The University officials state that this is the opportunity to request courses that are not being offered in the evening credit college for the spring semester of 1953 which begins Feb. 2. The University will make every effort to provide the courses in which prospective students are interested in order to better serve the needs of the community, according to University President Tom Popejoy.

Registration

As a followup to the meeting a special registration session for Sandians and Kirtland personnel will be held Jan. 28 in the Coronado Club from 7 to 9 p.m. On page 6 will be found a complete list of both credit and non-credit evening courses being offered at the University this spring. Catalogs describing the courses in more detail are available in the Employee Services and Public Relations Dept., 3120, Bldg. 301.

Present plans of the University call for offering 126 evening credit courses and a large number of non-credit classes which will be offered by the Community Evening College.

Anthropology to Speech

Credit courses will be in Anthropology, Art, Biology, Business Administration, Economics, General Education, Elementary Education, School Administration, Secondary Education, English, Chemical Engineering, Civil Engineering.

Electrical Engineering, Mechanical Engineering, Geography, Geology, Government, History, Journalism, Law, Library Science, Mathematics and Astronomy, Modern and Classical Languages, Music, Philosophy, Physical Education, Physics, Psychology, Social Science, Sociology, and Speech.

Many of the courses are approved for graduate credit and University officials state that a master's degree may be earned in many fields by attending night classes.

Six Free Dances At Coronado Club During January

The Coronado Club is starting off the New Year with a bang by holding six FREE dances during January. There'll be two informal orchestra dances, the Harmonatones, an Air Force band on the 10th, and the Don Lesman orchestra on the 24th, plus a Square Dance on Friday the 16th with Pancho Baird's Santa Fe Rangers playing.

Name Band Records

In addition, on the 3rd, 17th and 31st juke box dances will be held at the Club.

Buffet nights are the 4th and 18th with Charlie Biesel at the organ on the 4th and Don Lesman playing on the 18th.

Ballroom dance instruction under Arthur Murray tutors is scheduled for Tuesday the 6th and 20th this month. These will be followed by Bingo nights on the 7th and 21st.

Grand Slam

Duplicate bridge players have four nights this month to try their skill. Games will be held on Thursday the 8th, 15th, 22nd and 29th.

Car Re-Registration, Sale of Decals Set To Begin Monday

If you have your 1953 license plates you can avoid a rush by re-registering your car and by getting your decals early.

The Provost Marshal's office in bldg. 220 will be open Monday, Jan. 7, until March 15 for re-registration of cars and sale of 1953 decals. On March 15 the 1952 decals become void.

Employees working standard hours can get their decals from 7 to 8 a.m., at noon, from 5 to 5:30 p.m., and on Saturday mornings.

To re-register you must have with you:

1. Evidence of PL and PD insurance in amounts of \$5,000/\$10,000 and \$5,000.
2. Valid state registration card for 1953 license plates.
3. Valid state operators permit.
4. Valid Sandia Base ID card.

Decals are sold at cost price of 10c.



A BOOKLET RACK PREVIEW of the new "Income Tax Guide" to be distributed early in February is given to Mary Ann Willard, 2331-2, by Orrie Montoya, 3125, who keeps the booklet racks filled throughout the Laboratory.

SANDIA BULLETIN

Friday, January 2, 1953

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



Highway Safety for 1953

In place of talking about some New Year's resolutions which can easily be forgotten, and probably would be, we'd like to enter 1953 with confidence that we'll get through the 365 days hale and hearty.

And that's no small accomplishment in these days when the grinding smash of metal and glass has become the symphony of the highways. The country's highway fatality toll is a disgrace, and New Mexico ranks among the states with the saddest record. In this state, one of the least populous of the country, we killed an average of about one person per day on our highways.

All of this death and destruction is in face of one of the greatest educational campaigns in history. It also is despite more rigid laws and more officers to enforce them. Automobiles are faster, but they have better brakes, better visibility, safer steering mechanisms and stronger bodies

It is probably the combination of the inadequate highways, large number of automobiles and the people behind the wheels which causes the accidents. And from the opinion of the traffic experts the greatest responsibility for the tragic automobile death toll rests with drivers.

Accidents occur off the highway too. They are common in the home, at work and at play. It seems like the most effective educational program for accident prevention has been in industry where hazards could be common, if it were not for the existence of ambitious safety programs which have made men in industry safety conscious.

The goal of safety in industry is sought for by instilling a "safety-mindedness" in all employees. Equipment is issued us to help insure our safety, we attend classes, we are encouraged to discuss safe performance of our jobs, we read instructions, machinery is equipped with safety devices and as a result our jobs today are safer than ever.

If we can take that safety consciousness home with us at 5 o'clock and practice what we know when we get on the highways we will be doing our part to make our state safe for motorists.

The secret of acquiring safe highways is educating the man or woman driving the car. When we have made them safe, highways will become safe. Do your part in this year, and in coming years. Don't become a statistic among the more than one million people who have lost their lives in highway accidents.



ALBUQUERQUE—VINTAGE 1910. This old picture was found recently by Harlan Kelsey, 1511, who remembers his father took it in 1910 while he was on his way to visit Harlan's uncle in Las Cruces. The view looks west on Central Avenue from about the site of the present railroad underpass.

Vacationers from 4135 are **Shirley Spradling** who is visiting relatives in Dayton, Ohio, and West Virginia; **Ella Lucero** is vacationing at home and visiting her father who is ill in Santa Fe; **Eleanor Hughes**, visiting her fiancé and parents in Riverton, Wyo.; **Catherine Banks**, spending Christmas holidays with her parents in Pocatello, Ida.; **Bernice Armour**, vacationing in Texas and Mississippi; and **Max Hodge**, visiting parents in Conland, Utah.

Mildred, 5130, and **Baron Brumley**, 1524, spent a recent week end at Dolores, Colo., visiting friends and relatives.

Winging their way to Chicago to spend Christmas with the folks were **Ethel**, 3162, and **Tom Halloran**, 4232.

"Hunting duck and ducking work," was the way **Bill Burke**, 2232, described his recent vacation at home.

At 6:30 a.m. the other day **Irma Buffet**, 4135 (4222), answered the phone to hear the voice of her soldier son calling from Germany.

Up from New Orleans came brother and family to visit **Betty Van Gundy**, 4131, over the holidays.

Pat Stack entertained the girls in 4135 for their annual Christmas party. The party was in turn a surprise baby shower for Pat.

A speedy recovery is wished **Roberta Hickman**, 4135, by her pals in 4135.

Mr. and Mrs. **Frank Laughlin** from Tucson, Ariz., are visiting **Rebecca Laughlin**, 4135.

Mary Lafrenz, 2543, had her parents from Hanover, N.M., visiting her for Christmas.

Spending the holiday vacation visiting friends and relatives are **Phil Meekins** and family, Nacona, Tex.; **Vestal Hensley**, Wichita Falls, Tex.; and **Nonie Brooks**, Alenathey, Tex. **Ronald Skelley** and **Cassimerro Baker** spent their time at home. They're all in 2232.

Lew Walrath, 2452, and his wife helped Lew's parents celebrate their 60th wedding anniversary at La Hacienda recently.

Vacationers from 2234 are **Joe Hammond** and family at Hutchinson, Kans.; and **Tom Flowers** at Amarillo, Tex.

It was wedding bells Dec. 17 for **Raymond Archibecque**, 2334, who married **Marie Armijo** of Sandoval, N.M. Congratulations.

Spending Christmas in Corpus Christi, Tex., with their sailor son are **Gene**, 2231, and **Art Redlinger**, 2131.

The **James Meikle** home was the scene of holiday gaiety just before Christmas when **Jim** entertained some of the personnel in 2230.

The girls in 2231-4 are at it again. This time it was a buffet lunch and gifts distributed by Santa Claus. It all took place during noon hour on the Tuesday before Christmas.

Following his recent appendectomy, **Ray Beall**, 2235, has returned to work.

Joy Hunt, 2235, and family entertained friends returned from overseas for Christmas dinner.

The new home of **Victor Southerland**, 2235-1, is at 7518 Arvado Street NE in Hoffmantown. He just moved in.

John Gibson, 2235, is spending his vacation with his family in New Mexico.

Marge Neil vacationed at home with her husband and **Peggy Burkhalter** spent the holiday with her family in Oregon. They're both in 2331.

Sightseeing and amusement is what **Ben Fuller**, 2471, called his recent vacation at Las Vegas, Nev.

Among those in 2471 who enjoyed holiday trips to visit friends and relatives were: **Kenny Shinn** to California, **Mary Morse** to Toledo, Ohio, **Virginia Gazolas** to Vaughn, N.M., and **W. H. Childress** to California.

At home for the holidays were: **Bessie Passmore** and **Evelyn Abbott**, both 3153, and **Mollie Nason**, 3152. **Dick Reed**, 3152, and **Betty Newman**, 3153, were out of town. Dick went to California and Betty went home to Grand Junction, Colo.

Jim Galbreath, 3153, had his mother visit him from Pueblo, Colo., during Christmas. **Grace Nicks**, 3153-2, had friends, Mr. and Mrs. **Colvin Ware**, from California for the holidays. **Ann Monroe**, 3153-1, was visited by her husband's aunt and uncle from Colorado. **Jim Schlahta**, 3152-1, enjoyed the holidays with his mother who visited from Aliquippa, Pa. **Virginia Chavez**, 3150, had her sister-in-law down from Michigan for Christmas.

Friends and relatives all over the country were visited by vacationers in 3150. **Mildred High** went to Carlsbad, **Vesta Mayer** to Brawley, Calif., for New Year's, **Joyce Welch** to Lovington, N.M., **Bill McKim** to Carlsbad, **Pearl Giles** and husband, **Cleavord**, 1610, to Portales, **Letha Hacker** to Denver, and **Louise Major** visited her sister in Las Vegas, N.M.

Loretta Morris, 3153-2, was in the hospital recently with two cracked ribs as a result of tripping over a sprinkler on the Women's Dorm lawn.

AROUND THE DEPARTMENTS



'T'WAS THE NIGHT before Christmas and **Bart, Anne and Bill Prince** are waiting for Santa. The youngsters are the children of Mr. and Mrs. **Brad Prince**, 3151.

An open house was held recently for his organization by **Dean Irvin**, 3152.

Dorothy Anderson, 3152-3, was a bridesmaid for her sister's wedding December 20.

Finally **Dan McCarthy**, 3152-1, moved into his home in Corrales. Would appreciate a house-warming. Says it's still very cold.

Small gifts were exchanged at the 3153-1 Christmas party held at noon the day before Christmas.

Lois Pittman, 3153-2, spent a lonely Christmas Day—but in a good cause. Her husband volunteered to remain on duty so a fellow serviceman was able to spend the day with his several children.

Her niece's wedding called **Louise Major**, 3153-2, to Santa Rosa December 27.

Recently initiated into the Elks at Santa Fe was **Brad Prince**, 3151.

Irvin Kodel's home was the scene of a Christmas party held recently by 3154.

Over the Christmas season **Carl Hunt**, 2335, and his family spent their time in California.

Just to sample his mother-in-law's good cooking, **Ken Vallely** went with his wife in their new Mercury, to vacation in St. Louis, Mo.

Esther Southern's son, **Wade**, enlisted in the Army and left for Fort Sill. Esther's in 4133.

4133 welcomes **Victor Lewis**, who recently transferred from 4230.

Sid Merriam, 4133, and family are spending the Christmas vacation in Phoenix.

Derrill Bridge, 2452, and his wife **Juanita**, 2461, spent Christmas holidays in Houston, Tex.

The following employees in 2461-2 are taking their vacations over the Christmas holidays: **Ellen Cunningham**, **Gladys Boren**, **Margie Arellano** and **Helen Richardson**.

Lillian Krause, 2461, has her mother from Bellflower, Calif., as a guest in her home over Christmas-time.

Bob Knudson, 3125, and his family are vacationing in Fort Dodge, Ia., with relatives this holiday season.

Margaret Wetzel, 2464-2, is enjoying a visit over the holidays from her parents of Denver.

Los Alamos visitors to the **Frances and Tom Berry** home are **Erma Whittmore** and her 3-year-old son, **Stephen**. Frances is in 2464-2.

Visiting relatives in Phoenix, Ariz., was the holiday theme for **Lynn Castle**, 3124, and his wife.

John Gray, 2350, spent two holiday weeks in Mexico City with his wife and three children.

Vacationing in Phoenix, Ariz., with his wife and a broken leg is "**Dick**" **Dickinson**, 4220. He fell a couple of weeks ago and fractured his knee cap but he isn't letting that stop him from enjoying his holidays.

Ollie Austin, 4222, went west for her vacation in Los Angeles with the family.

The welcome mat is out in 1241 for **Kay Tessier**, 4310, who recently transferred from 2520.

Gone to Flin Flon—that's the sign **Ed Johnson**, 1512-2, put up before he went to marry **Hazel Yvonne Cross** of Flin Flon, Manitoba, Canada. They were wed Dec. 27 and will make their home in Albuquerque. Ed met his bride this fall when she was here visiting her sister.

After spending Christmas vacation with her family at Chamita, N.M., **Viola Maestas**, 2464-2, flew down to Chihuahua, Mexico, for a few days.

Irvin and Arlene Armbruster are spending their holidays at Austin, Tex. Arlene is in 2464-2.

All the way from Springfield, Ill., came Mr. and Mrs. **McGrath** to visit their daughter **Nancy** and son-in-law **Jim Hatchett**, 2464-2.

Following a visit to Chicago and a tour of Juarez, **George Felzman**, 2315, is back to work.

Frank Moon, 2335, and family spent a few days at Carlsbad before Christmas.



A FINE 10-POINT BUCK, weighing 151 pounds, is shown off by **Henry Carrejo**, 2423, (right) and a friend, **Manuel Romero**. Henry bagged the deer in the Gawelo Mountains during the recent hunting season.

If you Want to Learn It Takes Hard Work And Long Hours Of Study at Home—And Tom Silva Found He Could Do It

Journeyman Electrician Tom Silva came by his title the hard way. And in his mind it is a title, in capital letters, because to Tom being a journeyman electrician is one of those personal achievements won through sheer determination.

Back in 1943 Tom was one of millions of young American boys—fresh out of high school, fresh in the Navy. Tom was in the Navy for three years, participating in the Philippines, Borneo and Okinawa campaigns. During those years he only had one chance at schooling that might help him after he left the Navy. That was when he was given an opportunity to go to naval radar school. However at the same time he was offered a bosun's mate second class rating and he decided to take it.

Post-War Problems

After his discharge in 1946 Tom and his young wife, Julia, were faced with the problems of a post-war America where competition was keen and specialized training was almost a prerequisite for every kind of job. As a result Tom took a half clerical, half manual labor job in the shipping and receiving department at Barstow Marine Base in California.

Two years later Tom, Julia and their little son Gerard moved to Albuquerque where Tom went to work at Sandia as a warehouseman. It wasn't long before he met Bill Elskes of the Laboratory's electrical maintenance organization. Bill interested Tom in a career as an electrician.

"At that time," Tom says, "I didn't know a pair of wires from a duplicate receptor—wall plug, that is—but the idea of learning a trade

excited me so I went home and talked it over with Julia."

That's when it started. Julia was just as enthusiastic over the idea as Tom so he sent away for not one, but two correspondence courses. One was a course in electrical theory and the other was a sort of liberal arts course dealing in subjects such as English, algebra, speech and so on.

In the nights that followed Tom would come home from work, eat, and then sit down for long hours with his books and papers while Julia kept Gerard and newly-arrived Julie Ann quiet and out of his way—sometimes an impossible task.

Writes Examination

Within a short time Tom was able to transfer over to the electrical maintenance organization. There with

Bill Elskes and Victor Domme as his tutors he began to apply the theory he was learning in the correspondence course.

Finally the big day came. On May 1, 1952, a very nervous Tom Silva appeared at the Albuquerque City Inspector's Office to take his journeyman electrician examination. Fifteen days later he received his licensing card and that night there was a quiet, but very heartfelt celebration in the Silva household.

Tom is still in 2411 and today the Silvas live in their own home in the valley, they have a '51 car, a plump bank account, and a 17-inch television set. Yet while all this is important and worth having, it still doesn't compare to their most intangible and most precious possession—confidence in the future.



LONG HOURS OF STUDY went toward gaining the knowledge that enabled Tom Silva to earn his journeyman electrician's license. A typical evening of homework shows Tom at the table with his books and papers while his young son Gerard watches. On the right Tom's wife, Julia, and daughter, Julie Ann, read the newspaper while Daddy works.

Records Provide Plenty Of Music And Moving Problem

If Jackie Hynes and her husband "Inky" played all of their phonograph records consecutively it would take ten 24-hour days for them to complete the series.

And that's a lot of jazz.

The Hynes' collection of popular ballad and American jazz records numbers around 2500 to date and they are always on the lookout for more. Whenever their vacations take them to any sizeable city they often head immediately for the second-hand shops where they prowl the shelves for old-time discs, particularly the Dixieland or "pick-up" band arrangements.

Covers 40 Years

Jackie estimates their collection covers about the last 40 years of American jazz and popular melodies. They also have musical comedy albums and a few rumba records, but the most prized platters are those hits from the early '20s.

The collection includes an original pressing of the Dixieland Jug Blowers playing "Boodle-Am Shake," worth \$9 on the collectors' market.

Eddie Cantor's early recording of "A Modern Maiden's Prayer," backed by "That's the Kind of a Baby for Me," is among the oldest; those were the songs Eddie sang in the Ziegfeld Follies of 1917 when he was featured with Fanny Brice.

The Hynes has a complete set of popular tunes of the '30s including recordings by Artie Shaw, Benny Goodman and Glenn Miller. They have about 75 "Hit-of-the-Week" discs, the cardboard and durium records of the depression days, that sold on newsstands for only 15 cents. Jackie points out that these cheap records have retained their clarity and play today as clearly as they did when new.

Old Timers

Some of the most intriguing records in the collection are those of early Paul Whiteman with a certain unnamed "vocalist." That vocalist was Bing Crosby. There are also early cuttings of such artists as Russ Columbo, Maurice Chevalier, the Mills Brothers, Gus Arnheim and the original Dixieland Band. Another oldie made by Paul White-

man's orchestra is "Back in Your Own Backyard" with two young unknown musicians on the clarinet and trombone. Those musicians were the brothers Dorsey, Tommy and Jimmy.

Jackie and "Inky" have traveled around a lot; they've lived in Los Angeles, Winslow and Williams, Arizona, Gallup and Albuquerque. And in all of their travels they've never had a record broken in transit. However, once "Inky" was stacking records to play and they toppled off a table, 20 breaking. Even 4-year-old Nancy and 7-year-old Marc have a good "record"—they've never broken one.



THEY'RE A MUSICALLY minded family with a collection of over 2500 records dating back to 1917. The Hynes, Jackie, left, with Inky and their 4-year-old daughter, Nancy, prepare to spin a platter. Absent from the picture is 7-year-old Marc who had to be in school.

An institution under canvas Died a victim of modern times

Chautauqua Circuits Were the Takeoff Points for a Career in the Sciences

Chautauqua. It's the name of a little city in upstate New York, but to millions of Americans all over the country the word will bring back nostalgic memories of childhood days.

Chautauqua started in the little city that gave it its name and in a short time grew to be an American institution. Its theme was educational and cultural entertainment. Chautauqua performers were poets and lecturers, magicians and musicians, scientists and singers.

They traveled on summer circuits to the small towns and cities throughout the nation in the days when radio and motion pictures were only dreams.

As a boy, one of the big moments in the life of Lee Deeter, 5430, came the day the Chautauqua arrived in town and Lee was called on the stage by Burnell R. Ford, one of the top science show performers of the time. Lee was known as a sort of local young Tom Edison at that time



Lee Deeter

—he had his own complete electrical laboratory—and perhaps it was because the famous science showman treated him as an equal that many years later Lee was on the stage as part of a Chautauqua science show and Burnell R. Ford was in the audience.

Wrote Articles

It all happened after Lee went to college and fulfilled his Edisonian reputation. While at Kansas State, Lee wrote several articles which were published in technical magazines. One of these articles appeared in Radio Craft Magazine and another famous science showman, Glenn L. Morris, read it, went to see Lee and that summer Lee traveled the Chautauqua circuit.

That was the summer of 1922 and ironically enough it was the new science of radio that played such a prominent part in the Glenn L. Morris show which in a few years helped kill Chautauqua.

That summer and the next Lee traveled with Morris' "Magic of Science" show. They hit a new town every day on a 10,000 mile circuit that started at Los Angeles, passed through Washington, Idaho, Montana, the Dakotas, and ended in Chicago.

Lee's job, as assistant to Morris, was to set up and pack the show's equipment and sometimes to appear on the stage to assist in operating some of the effects. On the side Lee

designed and built much of the show's spectacular demonstrations.

Famous Speakers

Chautauqua performers were often famous personages like William Jennings Bryan and Judge Kenesaw Mountain Landis, the baseball czar, but Lee remembers Private Peat the best. Private Peat was a World War I hero, a Chautauqua lecturer and somewhat of a practical joker. Lee recalls one of Private Peat's favorite tricks. He would wait until the final minute before he was to go on, while the Chautauqua manager was tearing his hair, and then appear at the ticket window and demand to be admitted free. The ticket taker was usually a town resident and couldn't be expected to know Peat. In the ensuing argument a crowd would gather until finally Peat would shout, "I want to see the manager of this show."

The manager would be called for and when he saw Peat he would invariably say, "Ah, there you are, Mr. Peat. We've been looking all over for you. Come on in right away." And Private Peat would smirk at the bewildered ticket taker and strut through the crowd into the tent.

Another Crisis

Then there was the time Lee was locked in a room by a local janitor while Glenn Morris was putting on a show. Part of the show required Lee to hand Morris a carbide can through the curtain. When the time came Morris reached for the can but it wasn't there. "Deeter," he whispered, "give it to me." No Deeter. While Morris desperately tried to keep the act going, at the same time whispering, "Deeter, Deeter, where are you?" and frantically waving his arm through the screen, Lee was frantically trying to extricate himself from a tiny window where he'd become wedged trying to escape.

It all ended happily when another performer handed Morris the can and Lee was freed after the show by the same janitor who'd mistakenly locked him in.

Glenn L. Morris is still performing. Now he has his own plane and he tours the country presenting science shows at schools throughout the nation. And whenever he's near here he always flies in to have a long visit with Lee talking over old times when the grand old Chautauque was in its heyday.

Dancing Is Fun— And It's Healthful These Girls Find

Dancing for fun and exercise is the pleasant hobby of two attractive Sandians, Texas Maupin and Mary Jean Lucas, both of 2512.

The girls last month appeared with the Dorothy Knight Dance Studio presentations at Kirtland Field Service Club and the Sandia Base A.N.A.F. club. They were featured in two numbers, a ballet and a hula.

Texas and Mary Jean participate in three practice lessons weekly. They not only simply enjoy dancing, but believe that the training helps them keep trim and healthy. Mary Jean has taken dancing lessons for several years and about a year ago she interested Texas in joining the classes. Now they are advanced enough for public recitals and they're having a lot of fun practicing and planning their handsome costumes.

Mary Jean is a native Albuquerquean. Her husband is Tech. Sgt. Roy Lucas, stationed at Sandia Base. She has been with the Corporation for four years and two months and works as a documents inventory clerk. Texas has lived in Albuquerque for 3½ years and has been with Sandia for three of them. Her husband is Walter Maupin, 1314.



Z-Z-I-P! and Texas Maupin helps Mary Jean Lucas with the last minute touches before they go on stage to entertain with a toe-dance number for local service clubs.

Remember When ?

(It was only 30 years ago)

The "Aspirin Age" and the "Roaring Twenties" are the labels that have been used to describe the period between 1920 and 1930. Almost everything was growing bigger and better, even our foibles, and the only things that were shrinking were the women's skirts.

It was the age of the flapper, Charleston contest, channel swimmers, prohibition, rum runners and million dollar gates. Those were the days when Rudolph Valentino was the idol of daughter, mother and grandmother; when the sports pages spoke of the "Sultan of Swat," the "Galloping Ghost," and the "Manassa Mauler," and when it appeared that boom prosperity might last forever.

Those were the days before the power of the atom was released, and when stock speculation was too shiny to resist. Bellhops, barbers, butchers, bootblacks, businessmen, doctors, dentists, clerks and long-shoremen were playing the market for quick profits.

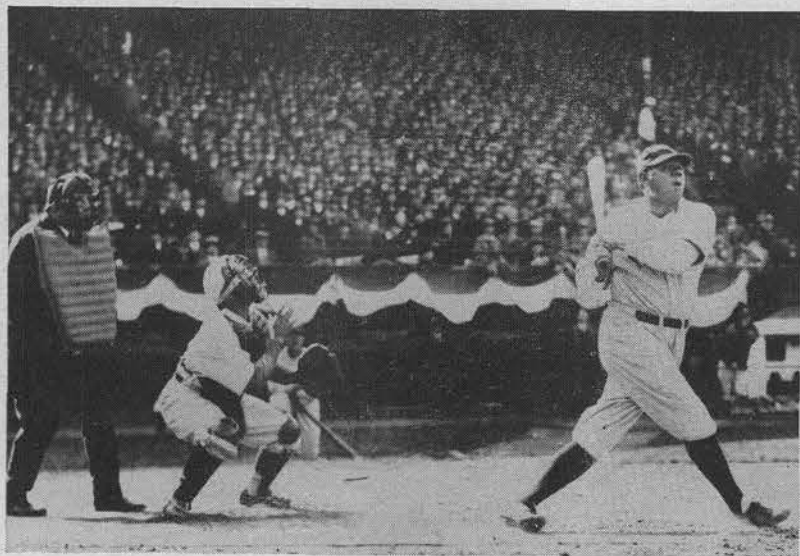
It was the days following the great war which was to end all wars and Americans felt no danger to their safety or security. The country was "secure," our finances apparently never better and we were living in what seemed to be eternal prosperity.

The razzle dazzle days of the



OH YOU KIDS! Two flappers doing the Charleston on the ledge of the roof of the Sherman Hotel in Chicago. Seemed that in those days everybody was doing the Charleston and any place seemed appropriate.

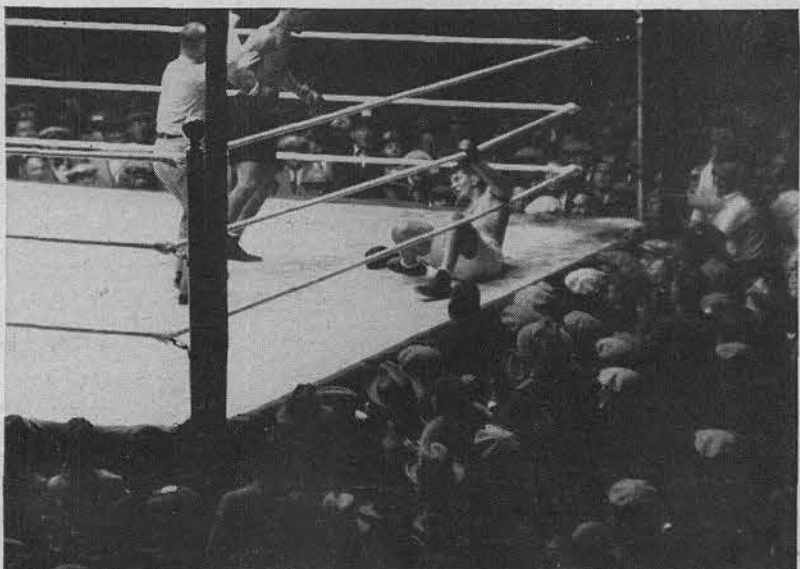
dashing '20s bring back vivid memories of the world in which we once lived.



THE SULTAN OF SWAT, the much-loved Babe Ruth, was the Yankee player who hit 'em farther and more often than any other ball player.



A SAD SIGHT FOR IMBIBERS. Hundreds of cases of liquor, seized on a rum runner, are being transferred to a U.S. Warehouse.



THE MANASSA MAULER nearly regained his crown from Gene Tunney in 1927 as is shown here where Jack Dempsey stands over the floored Tunney. Gene came back to win the fight on a decision.

News in the Field Of Atomic Energy

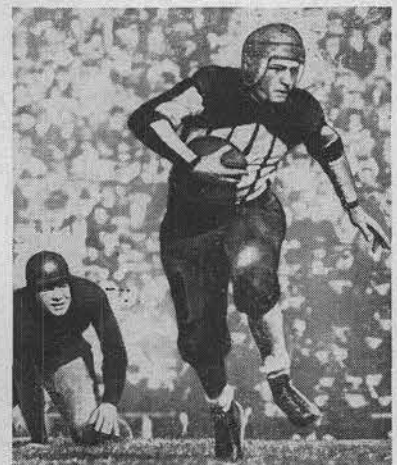
Dr. Felix Bloch of Stanford University and Dr. Edward Purcell of Harvard have received Nobel prizes for their development of a new method of measuring magnetic fields in atomic nuclei. The technique, which is known as the nuclear induction method, enables atomic scientists to increase a thousand-fold the precision of measurements of fundamental importance to structure studies of atomic nuclei. (Washington Post)

Dr. Allen V. Austin, director of the Bureau of Standards, in a talk before students and faculty at the University of Utah, has described work which is being conducted by the Bureau to develop atomic standards of measurement which would replace prototype standards of length, mass and time. Present meter, Dr. Austin explains, proves to be unsatisfactory to scientists who work with neutrons, protons and electrons. He also told of the Bureau's contributions to the field of medicine using AEC-furnished radioactive isotopes. (Salt Lake City Tribune)

Gordon Dean, Chairman of the Atomic Energy Commission, says preliminary tests give favorable promise that the United States has successfully developed a breeding process to swell its supplies of atomic fuel or explosives many times over. Scientists have been operating the breeder reactor for several months at Arco testing station. (Philadelphia Inquirer)

Dr. William Lee Davidson, director of the Atomic Energy Commission's industrial development, has reported that there are more than 150,000 people currently doing work on atomic energy projects and more than 5,000 firms doing or having done jobs for the AEC. (San Francisco Chronicle)

John Floberg, Assistant Secretary of Navy for Air, told a Los Angeles Press conference recently that he



THE GALLOPING GHOST, the unequalled Red Grange of the University of Illinois, is shown here returning the opening kickoff of the 1924 Michigan-Illinois football game. He ran 95 yards to a touchdown. Remember?



THEY SWOONED IN THE '20s when they saw Rudolph Valentino, the great lover. And Vilma Banky sent the male hearts pitter patter too.

ASM to Meet at Los Alamos Jan. 6

The American Society for Metals will convene at Los Alamos Tuesday to hear a talk by Bruce A. Rogers, metallurgist at Ames Laboratory, Iowa State College. The dinner meeting will be held at The Lodge at 7:30 p.m.

Mr. Rogers will speak on "The Formation of Eutectoids in Zirconium Alloys." Presiding at the meeting will be F. H. Ellinger, Los Alamos Scientific Laboratories, the ASM chairman.

Sandia Artists To Hold Exhibit

Technical artists from organization 2463 are scheduled to exhibit paintings at La Hacienda restaurant in Old Town starting Jan. 11 and ending March 1.

Many of the paintings will be on sale and it is expected about 28 artists will have one or more pictures on view. The showing is open to the public.

Wedding

Bernadine Bull, 1241, and Sgt. Jack Worthington were married December



16 in Albuquerque following Sgt. Worthington's return from service in Korea. Bernadine is the daughter of Mrs. Vida Bull of Phoenix, Ariz., and her husband is the nephew of

Mr. Wm. D. Bush of Cadyville, N. Y. Before she came to Albuquerque where she joined the Corporation six months ago, Bernadine attended the University of Arizona. The couple is making their home here pending Sgt. Worthington's assignment to Amarillo, Tex.

believes the day is not far off when major combat warships will be nuclear powered.

(Christian Science Monitor)

SALTON SEA NEWS

George W. Jones, U. S. Navy, has been transferred to Salton Sea Base from Naval Air Station, El Centro. George's home is Bakersfield, Calif., so the desert is not new to him.

Mrs. T. A. Sprink, Mrs. Lloyd Wilson, and Mrs. Raymond Rootier made a trip to Tijuana, Mexico, to do a little Christmas shopping recently.

Mrs. Harry Schnarr had the Christmas spirit early this year. Over her apartment roof in the Housing Area she had large figures of old St. Nick about to enter her chimney with sled and reindeer standing by. The lights at night made a very nice Christmas scene.

We at Salton Sea are very happy to see Mrs. Abbie Omlin, telephone operator, back on the job after a two months' illness.

Duck and goose hunting has been especially good this season with plenty of limits taken. Dan Cain has been credited with getting five ducks in one shot. Raymond Rootier and Lloyd Wilson are up at dawn every morning waiting for the geese to land. Ray has the credit for getting the most geese. Other successful hunters are James Hall, Art Merrill, Chester Lamb, Joe Dirnberger, Dewey Stout, Harry Schnarr, Verne McNabney and son, Bobbie.

We wish a speedy recovery to Ann Kinsworthy, baker for San Felipe Lodge. She was hospitalized recently.

We at Salton Sea Base have been receiving good reports from Gene Dirnberger who has been hospitalized at Mercy Hospital, San Diego, for the past few weeks. We wish him a quick recovery.

"Radiation Fall-Out"

AEC Discovers No Danger To Humans, Animals, Crops

The Atomic Energy Commission has made known to the public a nationwide radiation monitoring system which has been operating in conjunction with nuclear tests at the Nevada Proving Ground. In view of the general public interest in the southwestern states on the subject of safeguarding health from radiation hazards, we include here some excerpts from the Commission's report which was in the AEC's 12th Semi-Annual Report to Congress.

"A phenomenon peculiar to atomic detonations is the fall-out of minute radioactive particles from the resulting atomic cloud. Most of the fall-out occurs within the vicinity of the target area, and to assure the safety of operating personnel, radiological safety teams have been established as an integral part of the test organization."

The report goes on to point out that some radioactive particles are picked up by wind currents and deposited throughout the country and the extensive network of monitoring teams and fall-out collection stations has been organized to detect and measure these radioactive particles.

Two organizations within the AEC have the responsibility of monitoring and measuring the radioactivity during the tests. Within a 200-mile radius of the Nevada Proving Ground radiation is monitored by teams of the Test Organization. Outside the 200-mile radius a network of fixed sample collecting stations and mobile monitoring teams are under the direction of the Health and safety Division of the Commission's New York Operations Office.

The extensive monitoring operation, which goes on before, during and after the tests, has four major goals, according to the report.

1. To protect personnel and the public by keeping a check of the radiation which is dispersed at the time of a nuclear detonation.
2. To collect data for the evaluation of nuclear weapons effects.
3. To collect data for the guidance of sensitive industries such as ra-

diation instrument manufacturers.

4. To assist in collection of data for the use of Weather Bureau Scientists.

From the findings of these monitoring teams and fall-out collection stations the report says, "It can be stated categorically that at no time in any part of the country outside of the controlled area has radiation from continental tests been harmful to humans, animals or crops."

A fascinating story of the operations by which the radioactivity which develops with the nuclear explosion is unfolded in the report.

"Within an hour after an atomic weapon has been detonated, airborne members of the test organization begin to make measurements over the immediate vicinity of ground zero. Shortly thereafter monitoring teams in jeeps enter the test area to carry out a more detailed survey.

"A few hours later, planes are dispatched to sample and track the cloud and to survey the terrain. Some of the planes equipped with sample collecting boxes attached to the wings circle through the radioactive cloud and out as far as 600 miles to make sure that commercial airways crossed by the cloud are safe.

"Several hours after an atomic explosion, members of six mobile teams are flown in C-47 planes provided by the United States Air Force to locations within the 200 to 500 mile radius of the test site, directly in the path predicted for the radioactive cloud."

Further explanation of the procedures reveals that the airplanes collect dust particles on filter papers which are checked by Geiger counters to determine general radiation levels in areas of the cloud. The filter papers are also checked in the Commission's New York Operations Office laboratory for more specific measuring and analysis. The laboratory has equipment which has made possible the counting of 400 to 600 samples per day since its operation started March 20, 1952.

PROMOTIONS 1952 IN REVIEW

GEORGE R. COOPER to section supervisor of 1924-1. George worked in Cleveland, Ohio, for 26 years prior to joining us in 1950. He was a cost accountant for four years, civil engineer six years, office manager a total of seven and a half years, inventory control supervisor one year, cost consultant a total of two years, cost supervisor and IBM consultant one and a half years, cost and tabulating supervisor three years, and finally, tabulating supervisor for a year before coming to Sandia.



JOSEPH C. CONNELL to section supervisor of 1513-6. Joe came to the Laboratory in 1949 following his graduation from the University of Colorado where he earned his B.S. degree in electrical engineering. Joe enrolled at the University after his discharge from the Air Force. He served for four and a half years as a captain in the China-Burma-India Theater flying B-29's over the "Hump" into China. Prior to entering the service he worked for the Union Pacific Railroad for a year and a half and before that studied electrical engineering at Regis College, Denver, Colo.



RICHARD E. WONDERLICH to section supervisor of 1511-2. Dick was in charge of inspection at a Detroit manufacturing firm with defense aircraft contracts for three and a half years before coming here in 1949. Previously he worked with several firms in Michigan on a term contract basis for a total of three years setting up aircraft inspection systems to meet Air Force standards. Dick has also been a production supervisor for three years, sales engineer one year, and inspection foreman six and a half years.



KENNETH E. BRICKER to division supervisor of 1511. Ken joined us in 1948 with 16 years electrical and mechanical engineering experience. This includes: senior engineer, Good-year Corp., four years; Army Engineers, one year; auto distributing firm manager, six years; auto firm service engineer, three years; and a year teaching high school science and mathematics. Ken also has a B.S. degree in electrical engineering from the University of New Mexico.



JAMES P. SEAY to division supervisor of 2322. Jim came to work here at the Laboratory in 1948. Before joining us he was employed by the Walter O'Bannon Company, an oil field equipment manufacturing company located at Tulsa, Oklahoma. Jim spent eight years with this firm working as a purchasing agent. He went there straight from the University of Arkansas where he received his B.S. degree in business administration.



DOUGLAS W. BALLARD to section supervisor of 1513-6. Doug came to Sandia in 1950 after 16 months as plant manager for the Ames Bag Co., Cleveland, Ohio. He spent three years in the Army at Oak Ridge and Los Alamos. He was a process engineer for a year and a half at Oak Ridge and at Los Alamos three years. After eight months at Los Alamos he was discharged and continued as civilian supervisor in the chemical and metallurgical division. Doug has a B.S. and M.S. in mechanical engineering from the University of New Mexico and he has also studied at Alabama Polytechnical Institute, City College of New York, and Case Institute in Cleveland.



LILA M. NESS to section supervisor of 4222-6. Lila came here in 1951 after working for four years as an assistant to her husband, Marvin, who had a firm called Accounting and Income Tax Service at Fargo, North Dakota. Previously Lila was secretary to the manager of the Unit Tractor and Equipment Company at Fargo for a year and a half. Before that she was a secretary for two years with the State Mill and Elevator Co., Grand Forks, N.D.



ALFRED M. GRANUM to division supervisor of 2342. Alfred was Professor of Naval Science and commanding officer of the University NROTC for three years before joining us in 1951. Before that he was Secretary to the M u n i t i o n s Board, Washington, D.C., for a year after retiring with the rank of Rear Admiral from the U. S. Navy with 31 years service. He was in World War II from beginning to end and it was his Amphibious Force flagship, Wasatch, which carried Admiral Kinkaid into the Philippines in 1944. The retired rear admiral is a graduate of Annapolis Naval Academy.



The year 1952 is now history, all 366 days of it. So that you may remember this leap year, as told by the SANDIA BULLETIN, we will give you a short resume of various news items which have appeared in the past 26 issues of the paper.

January 4

Six Sandia Corporation employees or wives were reported as playing in the Albuquerque Symphony. They were Karl Zimmerman, Naomi Goodman, Martin Gustafson, Ed Ancona, Ralph Kuttner, Ruth Grothe. Lawrence Chavez, who was in 2334-3, wrote from Korea that he was assigned to a tank company and had just come back from 10 days in the front lines. Boyd Hoff opened his insurance counseling service for employees. Matthew "Pop" Ungerman, 2223, designed and installed the Christmas decorations which appeared on Bldg. 802.

January 18

Sandia employees who participated in the Atomic Energy Commission's Buster-Jangle operation in Nevada received commendation from C. L. Tyler, Santa Fe operations manager. A group of engineers from Sandia formed a band; members were: Chuck Foster, Ralph Kuttner, Paul Hoover, Ben Joliffe, Dick Bassett, Travis Bogue, Wallace Baily, Karl Zimmerman and Phil Owens.

February 1

Cecil Page, 1951, and Jacque Quinn, 1810, representing many Sandia skiers, provided material for the story of La Madera ski run. "Please use all parking areas," was the plea in an article trying to help solve the parking problem. Mr. Abraham, Mr. Given and Mr. MacNair joined the Laboratory coming from Bell Telephone Laboratories. Sandians exceeded their quota in the Red Cross Blood Bank's visit on the Base.

February 15

K. O. Thorpe, formerly of the Bell Laboratories, joined Sandia Corporation as head of Department 1230. Joe Tilley, 2411, displayed a safety shoe which saved him a smashed foot. Sixteen security guards were commended for their fine service at the Nevada Tests.

February 29

D. A. Quarles was named to succeed Mr. Landry as President of Sandia Corporation. Lee Deeter, 5431, named top talker of Sandia Toastmaster club. Tom Vigil, the first Sandian called to see service in the Korean theatre, 2415, returned to his job at Sandia. Sandia employee Kay Rivard, 2461, was the only woman member of the Flying Rangers, an Albuquerque flying club.

March 14

Sandia Radio Club participated in an exercise to prepare for anticipated flooding of the Rio Grande. Claudio J. Gonzales, 2472, and Gary Weber, 1931, returned to work after being on military leave. Kurt Biggs, 2120, was named chairman of the Northern New Mexico Section of the A.I.E.E.

March 28

Sandia Corporation earned an Award of Honor from the National Safety Council for its safety record for the previous year. Jean Goldberg, 2333, won top honors in the Toastmistress speech competition. J. J. Michnovicz, 2460, won \$25 for naming the new room in the Coronado Club "La Caña."

April 11

The basketball team from 2241 won the Corporation basketball championship; 1210 was second. Walter Martin, of Plant Maintenance, told Sandians how they could have a better lawn in 1952. C. W. Carnahan, 5410, was named a fellow by the Institute of Radio Engineers. Francis Scott, 2410, won top honors in the Game Protective Association liars contest.

April 23

Don Bliss, 2532, was named chairman of the local chapter of American Society of Mechanical Engineers. Chichi, the pup mascot of

the Security Guards, had the story of his life told in an article. Walter Hook, 2463, won his ninth art prize with a water color titled "Vertical and Horizontal."

May 9

A group of Sandia Corporation employees witnessed the biggest atomic explosion ever scheduled in the U. S. to this date. T. E. Shea was named Vice President and General Manager of Sandia Corporation; previously he was with the Bell Telephone Laboratories. Mr. Poole and Mr. MacNair were named vice presidents.

May 23

Three Sandians, John Crone, Bob Creveling and Stan Locus, earned their master degrees at the University of New Mexico. Donald MacKenzie was named head of the new Patent Department. Ellen Cunningham sang with the Albuquerque Civic Symphony in final concert of the year. Larry, young son of Patti Evans, 4222, heard from Buckingham Palace in response to a note of sympathy he sent Queen Elizabeth for the death of her father.

June 6

David Meister, 13-year-old son of Donald Meister, 2235, saved the life of a neighborhood youngster who fell into a swimming pool. Two more Sandians were named as earning masters degrees—Doug Ballard and Blaze Gangwer.

June 20

Manuel Torres, 2417, had his home destroyed in a flash flood. E. F. Cox, 5100, of Sandia Corporation worked with the AEC Advisory Panel at the Nevada tests, it was announced. Billy "Skid" Rowe, Sandia Security Guard, told of the excitement in the sport of stock car racing.

July 4

Mr. Quarles elected national president of the American Institute of Electrical Engineers. Erwin Smith, 2124, joined the ranks of those who have had their feet saved by safety shoes; he dropped a 60-pound plate on the toe of his shoe. Sandia employees work in Nevada tests was told in a picture-article.

July 18

Corporation employees donated 295 pints of blood to the Red Cross. Bronze Stars were awarded by the Army to Robert Pierce, Bill Reid and Ernest Petersen. Mr. Shea was named director of the Community Chest in Albuquerque. Seventy June, 1952, graduates joined Sandia Corporation in past month.

August 1

P. D. Wesson named new general attorney for Sandia Corporation replacing Frank Dewey who returned to Western Electric Company in New York. Marilyn Langmyer, 4222, was praised by music critics throughout the state for her work in her voice recital. Jim McRimmon, 4312, and Joe Hickey, 3122, won the Sandia Golf Tournament.

August 15

H. J. Wallis, 1900, was appointed to head up Sandia Corporation's Community Chest drive. Dr. F. G. Hirsch, 3160, told Sandians that if they were suffering with hay fever they had much company and gave a few of the reasons why the ailment is so prevalent this year. Jake Young, 2125, told readers of the trials and tribulations of a worm rancher.

August 29

Marcel Weinrich, 1812, was a contributing editor to the book "Valdes and the Sack of Rome." Air conditioning was installed in the La Caña room. The SANDIA BULLETIN camera attended the wedding of Pat Bennett and George Horne. The Senators of 2542 won the Corporation employees softball league playoffs.

September 12

Ted Rosenwald, 2450, was elected vice president of the State of New Mexico Fire Chiefs. Callie Mae Lambert, 2231, and her husband, Tom,

who is a Base fireman, celebrated their 40th wedding anniversary.

September 26

Governor Edwin Mechem and movie actress Penny Singleton opened the Corporation Red Feather Drive. Wallace Eder, 2451, was awarded the Bronze Star by the Army. Dr. George Flessas joined Sandia Corporation as a fellow in occupational medicine.

October 10

H. G. Mehlhouse was appointed superintendent of organization 2500. John E. Wesbrook, 2544, was awarded a Bronze Star by the Army. John Evans, 2234, and Milton Gardner, 2472, returned to work from military leave after spending 20 months in the Air Force.

October 24

Arthur B. Machen was appointed Director of Military Liaison Services, 1700. THE BULLETIN encouraged all Sandians to vote election day. Sandians took to the woods with bow and arrow and hunted deer; successful were Frank Treon, 2452, and Jack Suttman, 2463.

November 7

Ken Finders, 2443, told readers how he likes to collect guns as well as hunt with them. Glenn Fowler, 5200, was elected constable in Precinct 37. Gifts to the Community Chest drive from employees, Sandia Corporation, Anderson-Dunham and the Coronado Club totaled more than \$33,000.

November 21

Admiral A. E. Uehlinger was assigned Assistant Manager of the Sandia Field Office of the AEC. Chef Carl Hermanns of the Coronado Club gave the inside facts on how to prepare a Thanksgiving turkey. Irvin Moore, 2472, came back from Mexico with the picture of a 95-pound 8-foot sailfish he caught off Acapulco.

December 5

J. R. Townsend was named Director of Materials and Standards Engineering, 1600, for the Corporation. Leo Ortiz, 2463, displayed a portrait of Dr. Enrico Fermi which he painted.

December 19

S. C. Hight of Whippany Laboratory of Bell Telephone Laboratories was named Director of Research, Sandia Corporation, effective Jan. 1. Bob Boyd, 2411, and Theda Noe, 2120, were among the Sandians celebrating their birthdays on Christmas Day. Calimero J. Lucci, 2411, told a happy story of how his safety glasses saved his left eye from being splattered by molten metal. Gerry Morrisroe, 1263, went shopping for the BULLETIN and Jesus Gutierrez, 2423, his wife Rose, and family had a Piñata Party.

New Employees

A welcome is extended to the following newcomers who joined Sandia Corporation between December 11 and December 23:

Richard W. Willey	1511
Oscar B. Muench	1524
V. L. Gentry	1541
Grafton W. Moses	1543
William E. Tucker	1543
Patricia L. Eckstein	1924
Myron W. Gaulke	1931
Ernest H. Weiss	2122
Robert F. Carleton	2223
Lucy Stanesic	2224
Bruna N. Cesaretti	2231
Dulin C. Westfall	2232
Shirley I. Mattes	2233
Jean R. Robbins	2233
Betty J. Smith	2234
Dorothy V. Slotnick	2315
Owen C. Higgins	2351
Lawrence J. Woods	2351
John Cotch	2352
Patrick M. Gavin	2352
Luther F. Martinez	2352
Robert J. Michalowski	2352
Claude C. Edwards	2411
Joe S. Ochoa	2415
Juan B. Gabaldon	2418
Lillian M. Gadziala	2461
Billy M. Gragg	2461
Maxine N. Jones	2461
Joyce E. Feild	2531
Pearl R. Waxler	2532
Donna D. Brown	2534
Joseph G. Brooks	2541
Floyd L. Mastin	2542
Sidney H. Wagner	2542
Betty C. Arts	3151
Howard T. Stump, Jr.	3151
Clarence A. Schooley	4133
Anna M. Avery	4135
Cecile B. McIntosh	4222
Estelle M. Muses	4222
John E. Brown	4233
Mary P. Callahan	5131
Paul E. Rolfes	5313

Congratulations!

BORN TO:

Mr. and Mrs. Paul Dugan, 1333, a daughter December 8 — weight 8 pounds 12 ounces—name, Eileen Marie.

Roy and Louise Fox, 2124-1, a daughter December 17 — weight 7 pounds 8 ounces—name, Janice Lou.

Dean and Mimi Trautner, 5413, a daughter December 13 — weight 6 pounds 6½ ounces — name, Paula Janette.

Mr. and Mrs. Jack Fullerton, 2321, a daughter November 29—weight 7 pounds 9 ounces—name, Vicky Kay.

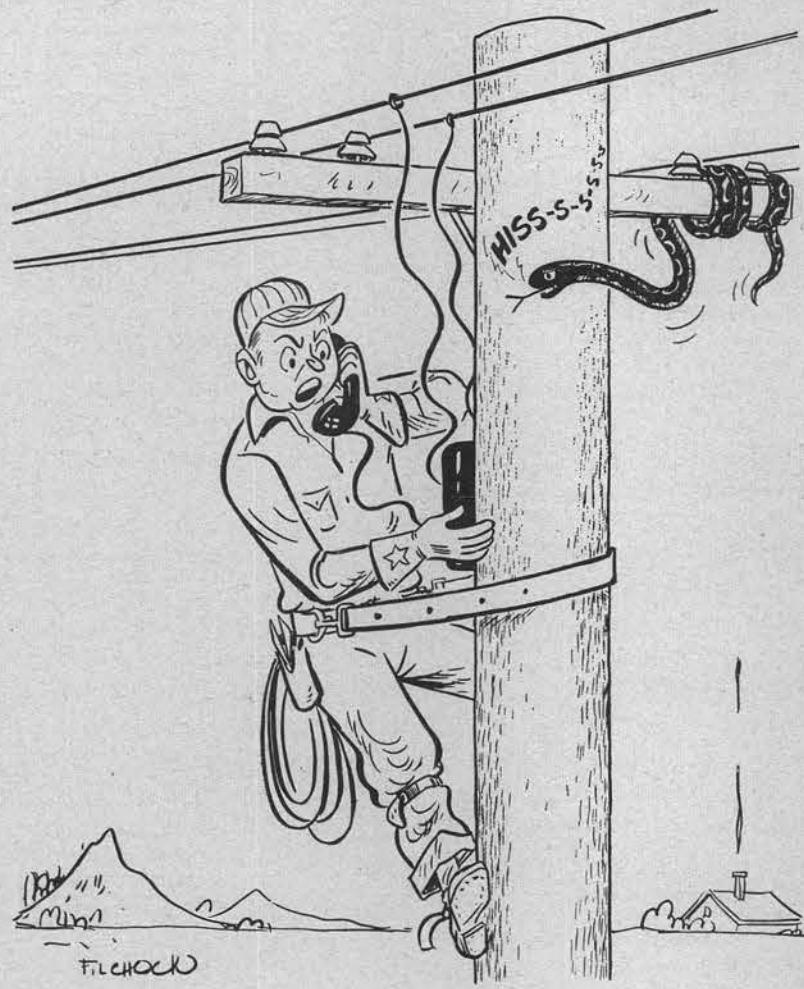
Mr. and Mrs. James Coleman, 2232, a son December 23—weight 7 pounds 2 ounces.

Mr. and Mrs. Bob Tant, 2234, a daughter December 12 — weight 6 pounds 12 ounces—name, Karen Ann.

Sympathy

Sympathy is extended to Max Weber, 5130, whose mother died at Newark, New Jersey, two weeks ago.

Co-workers wish to express their sympathy to William C. Garcia, 2232, and family for the death of their infant son, Francis, December 7.



"THERE'S A BAD CONNECTION SOMEPLACE - I KEEP HEARING A HISSING SOUND!"

Betty Rosendale Plays Leading Role In "Years Ago"

"Years Ago," a 3-act comedy presented recently as a workshop production by the Victor Izay drama classes, featured Betty Rosendale, 4222 (4100), in a leading role with Jack Bajart, AEC, in another top part.

The play was staged at the San Felipe Hotel in Old Town. Other Sandians assisting with the production were Louise Cooper, 2222;



Betty Rosendale

Dennel Tippett, 1322, and his wife; and Herb Hevert, 1231.

Betty Rosendale has been in three previous plays with the Albuquerque Little Theater. She joined the drama class in September in order to study under Victor Izay, one of Albuquerque's leading drama instructors.

Betty's interest in the stage is not something new. At the age of 11 she won a talent show in her home town, Council Grove, Kans., doing impersonations and singing popular tunes. 'All during high school Betty had a regular program over radio station KFBI and at the same time she made several tours with the Lucky Star Revue, an entertainment troupe that toured the Midwest.

When she graduated from high school, at the age of 18, Betty moved to Los Angeles, Calif., where she sang in night clubs. Her stage career came to an abrupt halt in August of 1945.

"On V-J Day," Betty recalls, "I was in Chicago signing up for an overseas tour with the USO. While waiting to be called I lined up a singing job with a night club and then took a trip home to get my clothes and things. While I was home I was married and I never went back."

Night School Expands

Evening Credit Session

Listed below are all credit courses offered by the University of New Mexico for the spring semester 1953, which begins Feb. 2.

- Anthropology**
General Anthropology.
- Art**
Beginning Drawing, General Crafts, Commercial Lettering, Landscape, History of Modern Painting.
- Biology**
Microbiology, Conservation.
- Business Administration**
Business Writing, Personnel Management, Transportation, Legal Problems in Business Administration, Principles of Accounting, Intermediate Accounting, Income Tax Accounting, Advanced Auditing, C. P. A. Review, Advanced Cost Accounting, Transcription, Introduction to Economics, Labor Problems, Public Finance, Institutional Economics.
- General Education**
Health Education, Adult Education, Workshop in Art Education, Research Seminar in Education.
- Elementary Education**
Children's Literature, Supervision of Elementary Science, Investigations in Early Childhood Education.
- School Administration**
Problems in Education in New Mexico, The Principal and His School, Seminar in Educational Administration, School Law.
- Secondary Education**
Principles and Practices of Distributive Education, High School Methods, High School Curriculum.
- English**
Introduction to Rhetoric, Introduction to Literature, Vocabulary Building, Informative Writing, American Literature, Elizabethan Non-Dramatic Literature, Studies in Contemporary Literature.
- Chemical Engineering**
Seminar.
- Civil Engineering**
Seminar, Irrigation Engineering, Pre-Stressed Concrete, Foundations and Retaining Walls.
- Electrical Engineering**
Direct Current Machines Laboratory, Circuit Analysis, Electronic Systems, Radiation and Antennas.
- Mechanical Engineering**
Aerodynamics, Mechanical Vibration.
- Geography**
General Geography.
- Geology**
Advanced Field Geology, Problems, Seminar.

- Government**
American State Government and Politics, Constitutional Law, Seminar.
- History**
History of the American Frontier, Seminar in Latin-American History, Seminar in American History.
- Journalism**
News Photography, Writing the Magazine Article.
- Law**
Military Law.
- Library Science**
School Library Administration, Book Selection for Young People, Children's Literature.
- Mathematics and Astronomy**
Introduction to Astronomy and Physics, Intermediate Algebra, College Algebra, Plane Trigonometry, Plane and Solid Analytic Geometry, An Introduction to the Calculus, Advanced Calculus, Ordinary Differential Equations, Theory of Functions of a Complex Variable, Seminar.
- Modern and Classical Languages**
Elementary Italian, Elementary Spanish.
- Music**
University Band, University Mixed Chorus, Opera Workshop, Applied Music.
- Philosophy**
Aesthetics.
- Physical Education**
First Aid; Theory of Coaching, Strategy and Tactics; Organization and Administration of Physical Education; Problem Methods in Physical Education and Recreation; Foundations for a Philosophy of Physical Education Prerequisite; Curriculum Construction in Physical Education; Seminar in Health, Physical Education and Recreation.
- Physics**
Introduction to Astronomy and Physics, Introduction to Weather and Climate, Analytical Mechanics, Electronics and Electron Physics Laboratory, Methods of Theoretical Physics, Contemporary Physics, Seminar, Electrodynamics, Nuclear Physics.
- Psychology**
Personality and Adjustment, Social Psychology, Graduate Seminar.
- Social Science**
Introduction to Social Science.
- Sociology**
The Family, Juvenile Delinquency, Seminar.
- Speech**
Parliamentary Procedure, Speech for Business and Professions, Techniques of Public Discussion, Speech Activities in the Public School, Advanced Speech Pathology.

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 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.

FOR SALE—

- Handi-Hot apartment washer with wringer.** \$17.50. Mitchell, ext. 24169.
- 1951 Chevrolet pickup, 1/2 ton, \$1300.** Berlier, ext. 33236 or Alb. 4-3838.
- Boy's bicycle, Schwinn, 24", Eskridge,** 3017C 31st Place (Base) ext. 31277.

Refrigerator, 7 ft. Universal Cooler. \$50. Callahan, Alb. 3-3237 or see at 813 N. 4th, Best Food Market.

2-bedroom home, 514 Aliso, NE. Full basement, patio and barbeque pit. \$12,500. Lopez, Alb. 5-5154.

V-8 ranch wagon, 2-tone, loaded, trades accepted, \$2,275. Middleditch, ext. 26260.

1941 Cadillac. Powers, Alb. 3-8596 after 6 p. m.

1951 Plymouth Cranbrook club coupe. Clean, \$1,475. See at 3226 34th St., apt. T (Base), after 5 p. m., Hansen.

Shotgun, Marlin model 90 superposed 12-gauge. Full and modified barrels. \$55. Hollenbach, ext. 31256.

1949 Plymouth deluxe, 4-door, new tires and seat covers. \$1,150. Clayton, 4810 Comanche Rd., NE, ext. 7118.

Rug and pad, 9 x 12, dove gray Alexander Smith, Axminster, never been used. \$80. Washer, Bendix automatic, recently overhauled, \$50 or make offer. Hartman, Alb. 5-9511.

1948 Ford station wagon. R & H, just re-finished. \$900. Melillo, ext. 25236 or Alb. 5-6559.

Easy washer, deluxe Spirator wringer type with pump. 1952 model used only a few months. Cost \$170, sell for \$100 cash. Burns, Alb. 5-3737.

Complete CW transmitter — 450 watts, 6L6-756-T-55-PPT55 3 units for rack mtg. sell complete or in part. SCR 522 trans. and receiver converted, band spread on receiver, both arranged for rack mtg. associated power supply. Also SCR 522 trans. converted to 10 meters, no power supply, arranged for rack mtg. Misc. other ham gear, write for list. Sprink, Salton Sea Base.

Guernsey cow, 3-years old. Will have calf in Feb. Tested. Gives 4-gal. milk per day. Must sell, home now in city limits. \$260. Montoya, Alb. 2-3197.

Skis, Splitkein 6'9". Sandler boots, size 8. Poles, parka, mittens, cap, etc. Used five times. Make offer. Gregory, ext. 24119.

Winchester .30 cal. deer rifle, lever action. \$65. Men's genuine leather suit case. \$7. Smitha, 8507 Menaul Blvd., NE.

RIDE WANTED—

Form car pool Rio Grande Blvd. and Candelaria Rd. or vicinity. Buss, ext. 4260.

Form car pool or join, vicinity 3817 Thaxton, SE. Prince, ext. 7241.

Vicinity 3034 Manzano, NE. Mitchell, ext. 24169.

N. 2nd and La Poblana Rd., NW, to Gate 1, 2, 3, 4, or 5. Baca, ext. 5269 or Alb. 4-0258 after 6 p. m.

WANTED—

Omega enlarger, B4 or D2. Gregory, ext. 24119.

TV set. Prince, ext. 7241.

Bowling JUNGLE LEAGUE

Team	Standings	Won	Lost
1. Lobos	36	16
2. Wildcats	30	22
3. Lions	30	22
4. Gophers	30	22
5. Mustangs	23	29
6. Rabbits	23	29
7. Bears	23	29
8. Panthers	13	39

Team and Individual
High team series: Lions, 2630.
High team game: Wildcats, 932.
High individual series: Stradford, 609.
High individual game: Mills, 233.
Top 10 Averages
Maxwell, 182; Davis, 177; Rowe, Duffield, 173; Campbell, 169; Mills, 168; Stradford, Findlay, Sweede, Cook, 167.

ALL-STATES LEAGUE

Team	Standings	Won	Lost
1. Iowa	29	19
2. Oklahoma	26	22
3. New York	25	23
4. Wisconsin	25	23
5. California	25	23
6. Indiana	22	26
7. Illinois	21 1/2	26 1/2
8. Michigan	18 1/2	29 1/2

Team and Individual
High team series: Wisconsin, New York, 2431.
High team game: Michigan, 886.
High individual series: Fellows, Haskell, 579.
High individual game: Gorry, 227.

Top 10 Averages
Parsons, 171; Gunther, 167; Fellows, 164; Schenke, 162; Lindquist, Muchowski, 161; Smith, 159; Allman, Thierman, 158; Schultz, 157.

INDIAN LEAGUE

Team	Standings	Won	Lost
1. Arapahoe	28	16
2. Potawatomi	24	20
3. Apache	23 1/2	20 1/2
4. Hopi	22 1/2	21 1/2
5. Navajo	22	22
6. Blackfeet	21	23
7. Mohawks	20	24
8. Zuni	15	29

Team and Individual
High team series: Apache, 3121.
High team game: Apache, 1184.
High individual series: Mason, 709.
High individual game: Lloyd, 279.
Top 10 Averages
Wendell, 187; Whitney, Parsons, 174; Malley, 171; Wabant, 170; Stone, 169; Leonard, 168; Northrup, Fink, 166; Abbott, 165.



"OH, LET'S GO IN THE KITCHEN AND LET HIM HAVE HIS CONVERSATIONS IN COMPLETE PRIVACY."

Employee Basketball League Standings

TOP TEN AVERAGES					Team		Won	Lost
Name	Team	G	FG	FT	TP			
1. Gregson-Wolverines	4	16	3	35	Boilermakers	3	0
2. Emerick-Spartans	3	14	6	34	Badgers	2	0
3. Kurth-Wildcats	3	10	6	26	Hoosiers	2	0
4. Barela-Buckeyes	2	11	3	25	Hawkeyes	2	1
5. Kelly-Wildcats	3	11	2	24	Wildcats	2	1
6. Crabbe-Wildcats	3	8	7	23	Gophers	1	2
7. Tabet-Buckeyes	3	9	4	22	Hlani	1	2
8. Camerzell-Hawkeyes	3	10	1	21	Spartans	1	2
9. Christopher-Wolverines	3	8	4	20	Buckeyes	1	3
10. Olguin-Hoosiers	2	8	3	19	Wolverines	0	4

Basketball Schedule To Be Stepped Up By Use of Both Gyms

Availability of the gym only one evening a week has kept play at a rather slow pace in the Sandia Employees' Basketball League so far this season. After the New Year, however, the old gym will be available one evening a week in addition to the one night a week at the new gym. With the stepped up schedule, officials of the league are planning to complete two rounds of play by the end of March.

After the 1st of January, three games will be played at the new gym every Monday night, and three games at the old gym on Thursday nights. Game times are 6:30, 7:45, and 9:00.

Following regular season play, a tournament is planned for the leading teams in the league. The length and the nature of the tournament will be decided later at a meeting of team managers.

Community Evening College

Following is a list of all evening non-credit courses offered by the Extension Division's Community Evening College at the University of New Mexico for the Spring Semester, 1953.

Course	Fee
Arc and Acetylene Welding	\$10
Architectural Construction	10
Figure Drawing	12
Beginning French	10
Landscape Painting and Criticism	10
Leatherwork	10
Personnel Management	10
Photography	10
Beginning Spanish	12
Real Estate Selling	10
Tailoring	10
Workshop in Early Childhood	10
Monday Evenings	
Course	Fee
Arc and Acetylene Welding	\$10
Architectural Construction	10
Figure Drawing	12
Beginning French	10
Landscape Painting and Criticism	10
Leatherwork	10
Personnel Management	10
Photography	10
Beginning Spanish	12
Real Estate Selling	10
Tailoring	10
Workshop in Early Childhood	10
Tuesday Evenings	
Accounting for Small Businesses	10
Arc and Acetylene Welding	10
Fishing in New Mexico	10
Beginning French (II)	10
Interior Decorating	10
Jewelry Making	10
Machine Shop	10
Beginning Russian	12
Slide Rule	10
Beginning Spanish	12
Vocabulary Building	10
Wednesday Evenings	
Arc and Acetylene Welding	10
Beginning Sewing	10
Creative Writing	20
Beginning Italian	12
Landscape Gardening in New Mexico	10
Mechanical Drawing	10
Personal Development	10
Portrait Painting	10
Intermediate Spanish	12
Speed Typewriting	10
Transportation Problems and Management	10
Watercolor Painting	10
Woodwork I	15
Thursday Evenings	
Arc and Acetylene Welding	10
Beginning Painting and Design	10
Business and the Public	10
Cartography	10
Ceramics	10
General Crafts	10
Public Speaking	10
Russia and Its Relation to World Politics	10
Beginning Spanish (II)	12
Trade Mathematics	10
Woodwork II	15

Registration for non-credit courses begins Feb. 2 and continues through noon Feb. 7 and classes begin Feb. 9. Courses listed above are from 7-9 p. m. or from 7-10 p. m.

Speaking of Reporters

When Graine Robinson, 2464-1, reports news to the SANDIA BULLETIN, she's doing what comes naturally.

Graine holds a B. S. degree in journalism from the University of West Virginia and has worked as a reporter and editor. Her experience includes a reportorial stint on the Welch Daily News, Welch, W. Va., an editor's post with the Associated Press at Charleston, W. Va., where she was the first woman to hold that job in the state, and she was assistant to the publicity director at McGraw-Hill Publishing company in New York City.

AP Veteran

Just prior to accepting her job with Sandia Corporation, Graine worked for the local bureau of the AP and for the Albuquerque Chamber of Commerce. She is now an editor in our publications section, part of documents division.

Recalling an amusing highlight of her newspaper days, Graine tells of her first major assignment which was to interview a few persons on a flood refugee train that had stopped in Welch. She boarded the train for her interviews, but the train started up



Graine Robinson

before she could get off and telephone her city editor.

She Gets Back

He had already sent a reporter in an automobile to pick her up for he had been at the station and noticed her boarding one of the cars. What Graine didn't know was that she had been the only reporter lucky enough to get on the flood refugee special and when she returned to her office she had an exclusive story of actual interviews, a real "scoop" in newspaper slang. "Much better than I'd expected when the train started to move," Graine says.