

SANDIA LAB NEWS

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



Vol. VI, No. 1

ALBUQUERQUE, NEW MEXICO

JANUARY 1, 1954

A New Year - A New Name

With this issue we begin the year 1954 with a new name for our employee newspaper.

After three years as the SANDIA BULLETIN the paper now becomes the SANDIA LAB NEWS

Many of us resist changes, and the staff of this newspaper had a sentimental attachment for the former name, representing as it did the evolution of the paper from a single mimeographed sheet to its present form.

However, there are several reasons which may not be readily apparent why the new name was adopted.

Probably the most compelling reason was that we needed a name which clearly identified the paper with its primary "subscribers"—the employees of Sandia Corporation and the AEC Sandia Field Office.

Then, too, with the publication going to local newspapers, news services and radio stations there was a need to clearly distinguish the civilian readers we serve

as different from the Sandia military personnel and dependents who are reached by the Sandia Base military paper, Crossroads.

Another strong argument for a new name was the fact that both Sandia Corporation and Sandia Base military headquarters issue official Bulletins, sometimes resulting in confusion and misunderstanding for people attempting to reach this newspaper.

Though our name changes there will be no change in our policies and purpose: To report the significant and unclassified accomplishments and operations of groups and individuals in the Laboratory, to keep employees informed on the activities of their co-workers, and to serve as an information medium for Sandia Corporation and employee activities.

With this New Year's resolution we wish you all a Happy New Year.

Corry McDonald Wins Sports Car Road Race in Speedy Modified MG

Fifteen sleek sports cars flashed down a west mesa road recently with Corry McDonald, 1210, leading the pack in his little modified MG.

It was a 15-lap, 51-mile road race sponsored by the Albuquerque Sports Car Club under the jurisdiction of the Bernalillo County Sheriff's Department.

Corry won first place in the small sports car class by traveling 15 laps of the 3.4 mile, roughly triangular

blacktop and gravel course in about 51 minutes.

The big car class was won by Roy Stenholtz of Los Alamos in his German Porsche. He hit an average speed of 70 m.p.h. over the course.

Event chief for the competition was Jim Sisler, 1524, who was on the race committee that planned the trials.

Corry has received a tall engraved trophy for his performance in the race.

Boy Scouts Honor Clark Read With High Recognition

Once a year the Northern New Mexico Boy Scout Council gets together to select names for a rare award.

This Council is one of the largest in the nation yet seldom more than two persons are chosen to receive the coveted Silver Beaver.

This year Clark Read, 2234, was presented the award in recognition of his long years of service to the Scout movement and to his community.

He worked in Boy Scout administrative positions for years when he lived at Clearfield, Pa., and when he and his wife came to Albuquerque six years ago, he pitched right in again.

Since coming here Clark has been chairman of the Scout's Sandia District Organization and Extension Committee, he's been chairman of committees for Troop 184 and Troop 284, and he's worked as chairman of soliciting committees for the Red Cross, Community Chest, his church, and the Bataan Memorial Hospital.

In addition he's a member of his church's board and he's on its building committee.

Tijeras Children Drink Milk At School Thanks To Sandians' Generosity

Montoya School in Tijeras Canyon is receiving milk for some of its 356 students through efforts of persons in 1900 and 5215, Sandia Corporation, and the Administrative Office of the Special Weapons Depot, Sandia Base.

The school, which is out of the Bernalillo Milk Fund district, has been supplied with milk through proceeds of donations and stunts planned toward "putting a little cash in the kitty."

In addition to providing funds for milk, workers in the military and the Laboratory sent out several dozen Christmas food baskets to needy families in that district.

Another contribution to the country's milk-for-children campaign was made after 1900's annual Christmas party when more than a half-barrel of canned milk was given as part of the dance "fee."

H. W. Maglidt Heads '54 Albuquerque Boys Choir Organization

Newly elected president of the Albuquerque Boys Choir is H. Wilson Maglidt, 1920.

He replaces Fred B. Smith, formerly 3000, who is leaving Albuquerque to go to the Hawthorne Works of Western Electric Company in Chicago as comptroller.

Other Sandians elected to supervise this nationally known group include Mrs. R. A. Sieglitz, secretary, wife of R. A. Sieglitz, 1511, and these board members: Luther Martinez, 2352; R. A. Quelle, 3124, and Mrs. Al Spengeman, whose husband works in 4310.

The choir has received invitations to sing at various places in the United States and plans are underway now to schedule several tours in 1954.

Holiday Season Proves Busy Time for This Sandia Magic Maker

A busy man this holiday season was 5310's Fred Darugh, popular magician-about-town.

Fred put on his magic shows at the department party in November, then followed with demonstrations on television, Dec. 19 (his third TV appearance); the ANAF and NCO clubs, Christmas day; St. Vincent's Orphanage Holiday party, Dec. 20, and the Public Service Company's party, among others.

Night Classes Again Available At University

Night courses of interest to Sandia Corporation employees are again being offered by the University of New Mexico next semester.

University policies enable students to carry as much as seven semester hours of night work and gain bachelors and masters degrees in certain fields. Registration fees for these evening classes are charged at the rate of \$12 per semester hour.

Registration for evening credit classes will be in Mitchell Hall on the University campus Saturday, Feb. 6, from 2-5 p.m. Registration for non-credit courses may be made at the University Extension office, Room 208, Administration Bldg., for the two weeks after Jan. 31.



OFF WITH '53 and on with '54. Pat Griffin, AEC, starts out the brand new year and the 1953 calendar is headed for the wastebasket. Pat smiles a "Happy New Year" to all of you from all of us.

Car Re-registration, 1954 Decal Sales Slated to Start on Jan. 5

The sale of 1954 Base decals and re-registration of cars will begin at 7 a.m. on Tuesday, Jan. 5, at the Provost Marshal's Office in building P-220.

Ends March 12

Registrations will continue until March 12.

Doug Macrae Tops At Toastmasters For Fourth Time

Pete Meigs, 5132, will be toastmaster of the evening when the Sandia Toastmasters Club holds the opening meeting of the year on January 7.

Invocation will be given by Bill Allen, 2552, and topicmaster will be Lee Deeter, 5130. Art Jones, 2464, will be general evaluator and speakers are to include Jack Jenkins; Ed Roth, 1643; Bill Newhouse, 1645; Tom Muzzey, 3124; Bob McConkie, 5431; and Comdr. E. A. Carr.

Toastmaster members enjoyed their annual Christmas party Dec. 17 and Doug Macrae, 3171, was awarded honor of speaker of the evening with his talk, "The Mystical Story of Christmas." This was the fourth time Doug won this award.

Sandians to See Rose Bowl Game

Among Michigan State alums planning to attend the Rose Bowl game Jan. 1 in Pasadena are these Sandians: Leonard J. Baker, 1311; B. J. Petterson, 5215; R. V. Peet, 5215; Pat Johnson, 3152; Joan Swing, 3154; E. R. Holland, 5423, and Bill Guntrum, 1242.

The Michigan rooters and their spouses will go in a motor caravan to the game which marks Michigan State's first year in Big 10 football and its first try as Rose Bowl winner.

During the re-registration period the registration office will be open to Sandia Corporation employees from 7 to 8 a.m. and during the noon hour Monday through Friday and from 7 a.m. to noon on Saturday.

In order to register, applicants must present at the registration office the following items: evidence of public liability and property damage insurance in the amounts of \$5,000/\$10,000 and \$5,000.

A valid state registration card for the 1954 license plates or 1953 plates for the states of Delaware, Missouri, Oregon, West Virginia, and Wisconsin.

A valid state operators permit and a valid Sandia Base identification card.

Those who have 1954 license plates are advised to register early to avoid the rush.

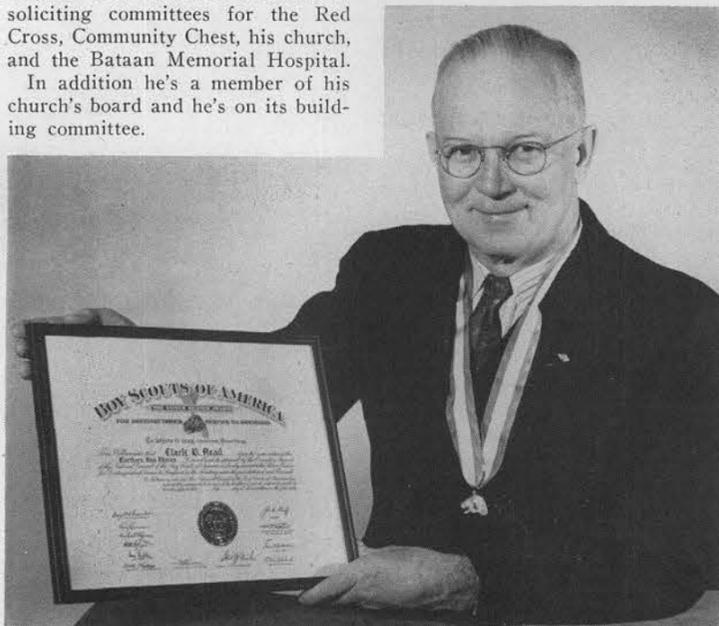
Decals are sold at the cost price of 10 cents each. Corporation employees will receive green decals.

Toastmistress Club Meets January 13

The Turquoise Toastmistress club will hold a dinner meeting at the Coronado Club, Jan. 13.

Invocation will be given by Mrs. E. G. Miller. Toastmistress is to be Mrs. Henry Goldberg and topicmistress will be Mrs. H. C. Biggs. Mrs. W. E. Caldes will be lexicologist and speakers will include Mrs. M. H. McMichael, Mrs. Gene French and Mrs. Kenneth Fortman.

Evaluators will be Mrs. B. J. Bittner and Mrs. J. C. Miller, and parliamentary drill will be under direction of Mrs. Blanche Hompe.



Clark Read — a Rare Honor

SANDIA LAB NEWS

Friday, January 1, 1954

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

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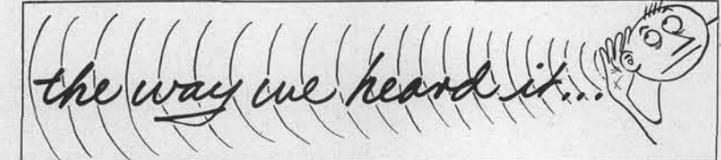
Statistics Are Threatening Us

December 31 ended history's most tragic year for New Mexico's highways. Death struck the state's motorists a cruel blow—more than one life per day was snuffed out in accidents on our roads.

This is a grim note to sound at the close of 1953, but the gravity of the record rests heavily upon us as we face 1954.

Words, millions of them, have been written pleading the causes of caution, discretion, courtesy and sobriety on the highways. Laws have been passed, highway police patrols increased, lighting improved, road hazards better marked and highways themselves improved in the search for the answer which will lessen this appalling death toll. Still the solution evades us.

Where we Americans can turn next in this campaign for highway safety, and find results, is a problem we must face, for statistically the chances steadily improve that sooner or later we each may become the victim of a highway accident.



Reporter's Report

Announcement will be made soon of the winner of the reporters' award, made for the first time this year by this newspaper. Some 60-70 employees around the Laboratory act as volunteer reporters in addition to their other duties. The award will go to the "most faithful" performer among them.

Our New Name

The evolution of the new title for this paper, SANDIA LAB NEWS, has come about after nearly six months of discussion. Suggestions, scores of them, have been made—among them: "Fission Chips" and "Up And Atom."

Case of the Missing Stub

George Tays, 2533-4, was routed out of bed early one recent Sunday morning by an insistent doorbell. The man behind the finger on the button was big, so was his companion, and they asked for a Mr. George Tays.

George bravely owned up that he was the man they wanted and Mr. Big Visitor reached into his pocket

and brought out a hundred dollar bill which would be George's if he could find a certain numbered ticket from a certain cleaning plant.

It was an early hour, the size of the visitors had been unnerving and George has the habit of entering contests requiring stubs—he has hundreds of them.

Confusion reigned in the home George shares with three other Sandia bachelors as they searched through multitudes of tickets. After a frantic half hour the ticket was located, the hundred dollars passed into George's hand and the tale had a happy ending.

Things to Come

Quite some people, these Sandia Lab folks—here are a few ideas of stories which could be told: Some employees scorn the TV salesmen—they make their own sets; the son of a Lab department manager is a promising novelist—he's in his early teens; our company has Albuquerque's busiest housekeeper—he helps take care of 269 houses on the Base; Field Test men work with the long range camera—it "sees" far off.

Among the happy holiday visitors joining their families for Christmas were Virgil Bailey, 2561-4, and his wife and daughter who went to Clinton, Okla. Glen McFall, 2561-3, and his family also went to Clinton for Christmas.

Letitia Anhder, 4222 (1540), and her husband went west on their winter vacation and visited in California and Las Vegas, Nev. J. R. Harrison, 1541, also on vacation, went east to Tennessee and West Virginia.



THE PROUD grandfather of these sprightly youngsters is Karl E. Lindell, 2552-2. They are Lanna Lee and Daniel Martin, who reside with their parents in Chicago.

John Risley, 2151, has moved into his new residence at 7903 Robins Ave. NE. His mother, who has resided in the east, arrived here before the holidays and will make her home with him.

Holiday vacationers include Edith Blum, 2110, who accompanied her husband to Phoenix; Della Davis, 2111, who took time off "just to fill up on Christmas goodies and sleep"; and Carmen Hillebrand, also 2111, who is using her end-of-the-year vacation to redecorate her home and celebrate the Yuletide.

Entertaining at their Tijeras Canyon home over the holidays are Ruth Hunt, 2100, and her husband, Verlin, 2124, who are enjoying visits from relatives from Denver and Chicago.

Martha Whitford, 1631, and her husband, Bob, 3230, spent Christmas in Greeley, Colo.; Ed Baylor, 1631, went to Denver; Ben Evans, 1633, enjoyed Christmas in Pueblo and Denver; and Dorothy Carmichael, 4222 (1633) enjoyed a visit from her 3½-months-old grandson and his parents who reside in Granby, Colo.

Charlie Kaspar, 3153, his wife, Dolores, 4222, and the children drove to Chicago, Ill., to be with their families over Christmas.

Called to Two Rivers, Wis., at the unexpected illness of his father was 3152's Neil Hansen.

Blanche Caloway, 3153, spent the Christmas holidays with relatives in Denver, Colo.

Dorothee Drury, 1633-1, and Kay Norton, 1922-2, who live at Casa del Guyo de Oro near Corrales, have as their holiday guests Dorothee's son, Perk, who is home from St. Michael's School in Santa Fe, and Kay's mother who is visiting from her home in Missouri.

Bob Alderman, 5342, and his family are expected back this weekend from a holiday visit in Nebraska.

Jim Miles, 3171, and his wife are taking an extensive Yuletide trip. They'll visit in Dallas and New Orleans and Florida, planning to return to Dallas for New Year's.

Bobby G. Neeld, 5311, and Mary Fern Newsome of Mt. Vernon, Tex., chose Dec. 26 for their wedding date. Bobby, who recently purchased a new airplane, flew to Mt. Vernon for the ceremony, arriving Christmas eve.

Elvira Antuna, 1633, vacationed in Las Vegas, N. M., for part of the holidays, then accompanied her father for a short vacation in Mexico City.

J. B. McCullar, 1632, spent his holiday vacation at home. Carter Gibbes, 1633, and his wife went to San Francisco this month, then took a plane for Honolulu, Hawaii, where they spent Christmas.

Ken Sarason, 1631, vacationed at Helena, Ark., this month, returning to Albuquerque for Christmas.

A new Snow home owner is Walt Barbier, 1632, who expects to move in late January to the residence at 1425 Hoifman Dr. NE.

John T. Kane, 2553, is spending the holidays in Indianapolis, Ind., with his son and daughter-in-law and a new grandson, Patrick, who was born Dec. 8.

Ann Widner, 4135-3, and family went to Melrose, N. M., for a Christmas visit.

Genie Smith and Anna Averyt, both 4135-2, are Oklahoma bound for the holidays where they visited their parents.

around the departments



NO, IT wasn't a fire that brought out the volunteer efforts on the part of R. E. Carlmark, 2531-1, Mrs. E. C. Pace and W. T. Ryan, 2322. It was part of the fun and frolic enjoyed at a holiday party recently by members of 2550, 2530 and 2300 when they gathered at the Coronado Club for the annual event.

Max Weber, 5132, vacationed at home last week making plans to welcome his wife's mother who is arriving soon from New Jersey to meet her new granddaughter.

Vacationing at home for the holidays and helping his wife "baby sitting" is 2211's Dennis Chavez.

Her co-workers in 2334 were happy to see Mary Grossman back to work last week after a lengthy bout with the flu.

Myron Barnes, 2512, and his wife and daughter are spending the Yule holidays in Mexico, Mo., with relatives.

Jack Underwood, 2512, and his wife spent Christmas weekend in Abilene, Texas, with their daughter and grandchildren.

Nancy Kuhnhausen, 2541-1, returned this week from Sacramento, Calif., where she had spent Christmas with her parents.

The Paul Morgan family went to Indiana to spend the holidays with relatives. Paul works in 2335.

Vacationers from 3171 include Jack Armbrust, who with his wife, Mary, 2464, visited their parents in Hurley, N. M.

Visiting her parents in Idaho for the holidays is Catherine Banks, 4152. And homeward bound for the Yuletide was 4135's Dorcas Crosby, who visited friends and relatives in Ohio.

Cecilia Altuna, 4135-1, spent the holidays with her parents in Lordsburg, N. M., and Ella Lucero, 4135-3, visited in Los Alamos and Las Cruces, N. M.

Caring for a new granddaughter was Carrie Vick's pleasant vacation task last week. Carrie works in 4135-1. Artie Hunter, also 4135-1, and family went to Dallas, Tex., to visit relatives over the holidays.

Maridel Dyke, 1262, and Gloria Garcia, 1264, spent Christmas week at their homes. Frieda Salazar, 1260, is on a three week vacation, part of which she spent decorating a new den which was recently added to her home.

George Wladika, 1633, is spending the holidays in Carlsbad, and Clovis, N. M. Gene Mead, 1631, is visiting relatives in Cheyenne, Wyo.

Ferne Saylor, 1633, took her holiday vacation to be with her son, David, who is home from Phillips University, Enid, Okla.

Visiting their families in Gothenburg, Nebr., are Lola Jean Widholm, 1633, and her husband, Pat Rogers, 1632, went to Frederick, Okla., for Christmas.

Walt Wood, 5133, spent Christmas at home and the remainder of his year-end vacation with friends in Fort Worth, Texas.

Bruce Miller, 5133, took a short vacation at home last week. Betty Frost, 5131, spent her yule holidays in Durango with relatives.

Tim Preston, 5131, and his wife, Kay, 2461-1, held a party for about 30 of their co-workers recently. It was a sort of "housewarming," Tim explains, "even tho' we've been in the place a year."

Frances Nobles, 2231, celebrated Christmas in her new Snow Heights home located at 1625 Hendola Dr. NE.

Holiday visitors include J. E. Duffy, 4231, who joined his family in Delano, Fla., where they had a reunion; Helen L. Fabrizio, 4233, and her husband are spending the Yuletide in Detroit, Mich.; Marjorie McDowell, 4231, and her husband went to Clifton, Ariz., for Christmas; and Mary Criswell, 4232, went to Leavenworth, Kans., to be with her parents.

The girls in 2362-2 held a Christmas party at the home of Willetta Golden; their co-workers in 2362-1 held a buffet luncheon and gift exchange to celebrate the season.

Truman Daniel, 3233, and his wife entertained members of 3230 at a cocktail party and buffet supper at their home, 9003 Matthew Ave. NE, prior to Christmas. The evening was spent playing bridge. Truman and his wife visited in Oklahoma City over the holiday weekend.

Melvin McCutchan, 3231-1, and his wife are spending New Year's Day in San Diego. Louise Major, 3233, visited her sister in Las Vegas, N. M., for Christmas.

Michael McLaughlin, 2232, has returned from a pre-holiday vacation preparing to welcome his son home from Korea. Herbert Stewart, 2232, is in Indiana visiting friends and relatives for the holidays, and Pedro Arbel, 2234, went to Lakewood, Calif., to visit his grandchildren for Christmas.

Lee Burnette, 2553-1, visited her parents in Carlsbad over the holidays, and Nikki Field, 2553-2, was the guest of Sheila Pritchard, 2464-2, and her parents in Roswell over this weekend.

AIEE to See How Device Stretches Lightning Stroke 50,000 Times

Local members of the American Institute of Electrical Engineers will see a wave demonstrator in operation at their next meeting, Jan. 5, at 7:30 p.m., in the Mechanical Engineering Bldg. on the University of New Mexico campus.

Presenting the program will be Robert F. Lawrence of Westinghouse Electric Corporation.

Mr. Lawrence points out that, contrary to popular opinion, a lightning flash may consist of a large number of individual strokes which pass down through the same channel. The interval between the strokes is so small that the flash appears to be a single stroke.

This phenomenon, the mechanism of propagation, and other interesting aspects of lightning will be discussed in his talk.

On University Staff

Mr. Lawrence, a 1943 graduate of the Engineering School of Pratt Institute, Brooklyn, joined Westinghouse Electric Corporation after leaving school and since 1943 has been an electrical utility engineer. He has presented many AIEE papers, has been author of a number of technical articles and has spoken before numerous local AIEE sections. For several years he has been an instructor in the University of Pittsburgh-Westinghouse Graduate Study Program.

Mountain Club Plans Climb Up Side of Sandias

A hike up La Luz Trail in the Sandia Mountains is the first 1954 excursion planned by the New Mexico Mountain Club. The group will meet at 8 a.m., Sunday, Jan. 3, for a trip to the summit and return. Leader will be "Mac" McLaughlin, who can be reached at Alb. 4-0381 or Alb. 2-0677 for information.

The second January jaunt of the mountain clubbers will be Jan. 17 when they've scheduled a trip to spectacular Cabezon Peak about 75 miles northwest of Albuquerque. Time and place for forming the caravan is the same: 8 a.m., Nob Hill Drug Store.

Sympathy

Sympathy is extended to the Bill Thomas, 1632, family. Mrs. Thomas' father died recently in Brazil, Ind.

Sympathy is extended to Robert W. DeVore, 1541-1, whose father passed away recently in Pueblo, Colo.

Soft Drink Machines Installed Throughout Company Buildings

Soft drink bottles are to be a thing of the past around the Laboratory. Approximately 50 soft drink vending machines are being located throughout the company's buildings—and the cold drinks are delivered from them in paper cups.

This service is being provided by the General Vending Company, operating under contract with the Anderson-Dunham Company, Corporation concessionaires.

Radio Clubmen to Be Given Advice About Operation

The practical approach to communication receiver alignment, using tools and equipment most commonly available to the average radio amateur, will be explained and demonstrated on Jan. 11 before the Sandia Base Radio Club.

The lecture-demonstration will be presented by Jim Stueber, 1521, at the Base Clubhouse, 8 p.m.

Bridge Tournament

The annual Team-of-Four Bridge Tournament will be held by the Coronado Bridge Club on Sunday, Jan. 10, 7 p.m.

Reservations should be made with J. J. Miller, 5211, at ext. 35235 prior to 5 p.m., Jan. 8.

New Years Eve Party Opens Month of Fun at Coronado Club

Tonight's the night!!!

The Coronado Club will be the scene of one of the gay celebrations in town as hundreds of Sandians ring in the new year and ring out the old.

Next month the Club offers two orchestra informal dances: Phil Graham and his orchestra on the 16th and the Don Lesman orchestra on the 30th. The charge is 50 cents per member, \$1 per guest.

There will also be three informal juke box dances on the 2nd, 9th and 23rd.

Learn Square Dance

Square dance instruction is being taught at 50 cents per person on the 11th, 18th and 25th. On Friday the 8th the Duke City Cowboys will play for a square dance from 8:30 to 11:30 and on the 22nd a square dance will be held to recorded music during the same hours. The charge is 50 cents per person at both functions.

On Sunday the 10th a bridge tournament is scheduled from 7 to 11 p.m. with admission at 40 cents per person.

MBC Trio Plays

Bingo will be held on the 6th and 20th and ladies' afternoon bridge and canasta is slated for the 13th.

Duplicate bridge players will have the floor each Thursday of the

month from 7:30 to 10:45 at 40 cents per person.

Mike Michnovicz, 2462, of the MBC Trio, will perform on his accordion in the Cocktail Lounge on the 15th and 29th from 7 to 11 p.m. Meanwhile Arthur Murray dance instruction will be given in the ballroom from 8 to 10 p.m.

Weddings and Engagements

Eleanor Greenhaw, 4222, who joined Sandia Corporation three years ago, will be married in February to Corder S. Scotten, son of Mrs. William E. Scotten of Albuquerque and a partner in the Scotten and Scotten Advertising Agency. Eleanor's engagement was announced this month by her parents, Mr. and Mrs. E. C. Carter, of Albuquerque.

Carol Keith, 3153, surprised her co-workers this month with the announcement of her engagement to George Frazier. Her fiance's home is in California and he is currently stationed at Kirtland Air Force Base. The couple is planning a spring wedding.

Members of the American Society of Tool Engineers are among the men behind

Tools of Industry

"Making things is an art. Making them accurately at low cost for mass consumption is a science—the science of Tool Engineering—a science developed within the last quarter century."

Define Tool Engineer

These words, appearing in a brochure aimed at prospective members of the American Society of Tool Engineers, sum up the function of tool engineering.

What is tool engineering? It's a branch of engineering in industry whose function is to plan the process of manufacture, supply the tools, and integrate the facilities required for production with the smallest possible expenditure of time, labor, materials.

The words of the brochure can be supplemented. For instance, tool engineering is almost unique in that it includes practically every known form of engineering. The mechanical engineer, the electrical engineer, even the chemical engineer can be, and usually is, vitally concerned with tool engineering.

The profession extends in depth as well as breadth. Tool engineering includes men from the top flight executive who sets in motion whole tooling programs, to the individual tool maker working in the shop.

And the latter, tool engineers are quick to point out, is the backbone of the profession. While tool engi-

neering as a science has developed only within the last quarter century, these men who actually make the tool have something as old as history—Craftsmanship.

Founded in 1932

The American Society of Tool Engineers was born in 1932. It fulfilled a growing need to consolidate interests of all those connected with the profession. Today, with more than 25,000 members and over 110 chapters, the ASTE's membership reveals the diversity of interests involved in tool engineering.

There are 3138 corporation officials and owners; 918 general management officials; 1204 tool engineering executives; 1098 factory and plant managers; 1489 manufacturing department heads; 5425 process, production, tool and methods engineers; 1296 design engineering executives; 1559 product engineers, designers; 652 plant engineers, quality supervisors; 1212 service and sales executives, engineers.

Chartered in 1951

It was in August of 1951 that a charter was presented to the Albu-



Gary Heckman

querque Chapter 93, American Society of Tool Engineers. This ceremony culminated nearly three years of efforts primarily on the part of one man.

In 1948, when he joined Sandia Laboratory, Gary Heckman, 1334, had been for more than 15 years a member of the ASTE. Coming from a Cincinnati plant where he was a

charter member of a very active local chapter, Gary's first thought was to form a chapter here.

"I soon found it wasn't going to be easy. The Laboratory was small then and it seemed almost impossible to round up the required 50 ASTE members needed before we could even ask for a charter."

By September, 1949, he'd succeeded to the extent of having the group approved as a branch of the Denver ASTE chapter and finally in August, 1951, Chapter 93 was officially chartered.

First Officers

It seems unusual that the man behind the movement never has held office in the chapter, but the answer is a typically selfless one. Gary is often out of town on business and he has consistently refused office, although he is an active member, because he feels his absences might detract from his effectiveness as an officer.

The chapter's first officers were Jerry Durrie, 1332, chairman; Orth Lackey, local businessman, first vice chairman; Douglas Kennedy, 1643, second vice chairman; Frederick Deiber, 5341, treasurer, and Allen Hall, 2126, secretary.

Harold Baecker, 2531, is the pres-

ent chapter chairman. Holding the office of first vice chairman is Doug Kennedy with Fred Deiber as second vice chairman. Julian Moody, 1651, is the group's secretary, and William I. Porter, Acoma Corp. president, is treasurer.

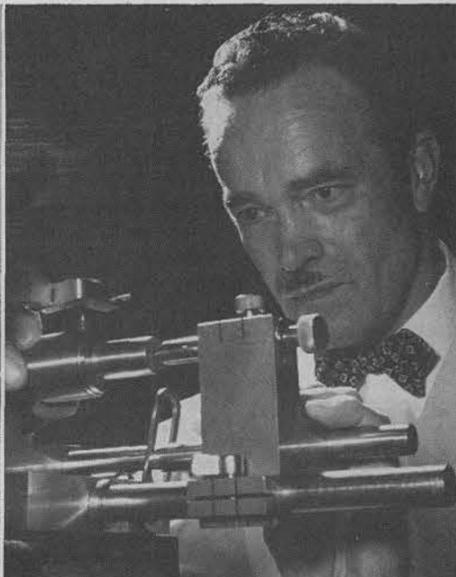
Head Committees

Of the eight chapter committee chairmanships, all but two are held by Sandians. Robert Masak, 2531, heads the constitution and by-laws committee; Herbert E. Anderson, 1643, editorial; Olav Nerhus, 1281, standards; Hubert Hanen, 2531, program; Jack Hammerstran, 2531, educational; and Arthur Miller, 2553, professional engineering.

In listing the requirements for membership in the ASTE the Society gives as the first requirement:

"1. That the member is concerned with tool engineering."

Those in Chapter 93 fill this requirement completely. And it is because they and all the other Society members are concerned that—to quote the brochure again—"In less than two decades the ASTE emblem has already become a badge of personal distinction in industry—a distinction that continues to increase, year by year."



THE VARIETY OF STEPS and occupations found throughout all industry concerned with the creation of a new tool is shown in this panel. L to R: John Risley, 2123, poses as the man who makes the decision to make a new tool. The next major step is taken by the engineer, here represented by Jack Hammerstran, 2531, who analyzes the

needs and designs a tool to meet them. Putting the ideas of the engineer into concrete form is the draftsman, Herbert E. Anderson, 1643, who determines to a large extent the feasibility of the engineer's plans. And finally the end result of all the steps from the time the decision was made to the actual machining is the tool maker, represented by model

and instrument maker Anthony Sullivan, 2123. This picture of a new tool's birth is oversimplified, but the major steps are there. The four men who acted as symbols of these steps are all ASTE members—John Risley for 2 years, Jack Hammerstran for 11 years, Herb Anderson for 3½ years, and Anthony Sullivan for 2 years.

Remember Sandia Laboratory's 1953?

The year's gone by, but the memory lingers on. While 1953 is not too far past we'd like to recall a few of the events as recorded in the past 27 issues of the BULLETIN.

January 2

Three Sandians shot deer during the special season for archers. They were: Jim Warne, 2532-6; Jim Brooks, 2452, and Roger Rice, 2126. . . . The AEC reported radiation fall-out from the Nevada tests had not been dangerous. . . . The BULLETIN editorially discussed highway safety for 1954 (a new record for traffic deaths was set in the state during 1953).

January 16

Arthur R. Engquist, 1262, was recognized by the AIEE for a paper entitled, "Characteristics of the Radion Tube, Preliminary Report." . . . Further facts on history of Mogollon Indians were brought to life in discovery of artifacts by Maurice Gowdey, 1713. . . . Dr. F. G. Hirsch, 3160, commented upon that bug causing widespread illness of flue: "See your doctor," he cautioned.

January 30

T. E. Shea, Sandia Corporation Vice President and General Manager, told Albuquerque businessmen the strongest criticism from a stockholder comes when he sells his stock, picks up his dollars and goes elsewhere. . . . J. E. Dingman was elected a director of Sandia Corporation replacing S. B. Cousins. . . . Bob Silva, 2532-4, told about his collection of more than 3,000 classical records.

February 13

The AEC announced approaching Nevada nuclear tests and Sandia's participation. . . . More than 500 engineers, including James W. McRae, vice-president of Bell Telephone Laboratories, attended the Seventh Annual Conference of the IRE. . . . Jim Allen, 5215, a Sandia photographer, told of his (postman's holiday) hobby—character study photography.

February 27

Members of the Department of Defense Committee on Continental Defense, headed by M. J. Kelly, President of Bell Telephone Laboratories, met on Sandia Base. Lee Deeter, 5430, won top speaking honors at the Sandia Toastmasters Club. . . . Harold P. Baecker, 2536, was installed as chairman of the local ASTE chapter. . . . A General Motors official in talking on "Getting Ahead," advised his listeners to not pay too much attention to the other fellow—he may be moving too slowly.

March 13

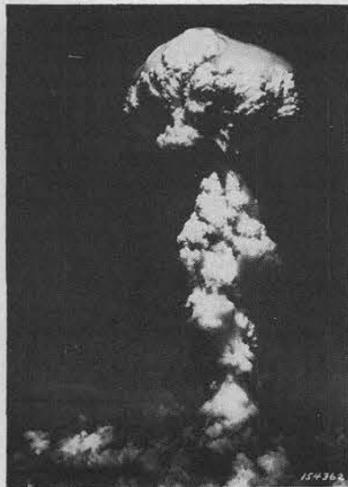
Three Sandia scientists, Kenneth W. Erickson, Edward G. Bauer and Dr. F. G. Hirsch, assisted a new Albuquerque medical research group. . . . Murt McMullen, 2452, showed his craftsmanship in carving gunstocks as a fascinating hobby. . . . Coronado Club bowlers distributed \$324 in prize money at their tournament, Edward P. Darnell, 2126, won the singles.

March 27

Sandians' part in the Nevada nuclear tests was told following the first "shot" of 1953 which was covered by the BULLETIN — and several hundred other U. S. newspapers. . . . E. F. Cox, 5110, in a Scientific American article, wrote how distant effects of the A-bomb can be predicted. . . . Francis Scott, 2412, went into training to sharpen his wit for the 1953 GPA liars' competition.

April 10

Bill Kingsley, of the Health and Hazards Division, spoke at an AEC meeting in Los Angeles on "Direct Process Spirit Duplicating



NUCLEAR TESTS in Nevada were conducted early in the year with many Sandians taking part in the experiments.

Studies." . . . Winter was gone and Daurice Hall, 4222-1, reminded readers of the season with a picture of her wearing a new spring dress—a taffeta in black and white. . . . Five months of basketball ended for 10 employees' teams with the Hoosiers defeating the Boiler-makers 43-28.

April 24

AEC Chairman Gordon Dean discussed "Loose Talk About Loose Talk" and took NEA reporters to task about an irresponsible series of articles concerning AEC security. . . . Jesse McBride, 2483, gardener at Salton Sea Test Base, told secrets of gardening 241 feet below sea level. . . . Several of Sandia's horsemen (Ed Schorr, Bill Wonderlich, Gerry Morrisroe, Daurice Hall, Jim Galbreath, Bill Jenkins, and Craig Caspar) started playing polo.

May 8

Mrs. Mary Byrd, the mother of six youngsters and wife of Bob Byrd, 2452, was pictured to remind us of Mother's Day. . . . Fred Schmidt, 2000, spoke to alumni of Armour Institute of Technology. . . . Sandia Corporation and Albuquerque



IN APRIL Sandia Corporation was awarded a plaque by the National Safety Council for its 1952 safety performance. The plaque was pointed out to Nancy Sanchez, 2460, by A. B. Metzger, Safety Director.

Guards Union, Local 27, IGUA, signed their first Agreement. . . . Nearly 1,000 employees participated in organized sports the past 12 months.

May 22

Henry Jones, 2452, Salton Sea Test Base, related his experiences during 25 years on the Baltimore Police Force. . . . Al Gruer, 5224, was nominated for the office of president of the local chapter of the Instrument Society of America. . . . Members of the Division of Military Application of the Atomic Energy Commission visited Sandia Base. . . . The story of "Saving Space with Spool and Film" was told in relating the Corporation's microfilm work being done by the people in Division 2464-2.

June 5

Jess McKee, 2124, collector extraordinary, told of his hobby and how it had attracted loan requests from the Smithsonian Institute. . . . Jane Letcher, 3151, won honors in the Young Artists Audition of the Albuquerque Civic Symphony. . . . Sandia Base Major League Bowlers (downtown) ended the season with a two-way tie between teams headed by Red King and LeRoy Hassebrook —Red's team won top honors in a roll-off.

June 19

Al Gruer was elected president of the Coronado Club. . . . Donald A. Quarles ended a year as national



NEW PRESIDENT of the Coronado Club, Al Gruer, 5224, received the gavel from the retiring president, C. W. Campbell, 1900, in June.

president of the American Institute of Electrical Engineers. . . . Mrs. Margaret Caldes, wife of William E. Caldes, 1513, speaking on supernatural phenomena won top honors in Toastmistress competition. . . . Red Fingers (editorially) pointed to the future as the BULLETIN told an unusual success story.

July 3

H. J. Wallis, 1900, returned east to become Area Manager in the New York office of Bell Telephone Laboratories. C. W. Campbell was named superintendent of the 1900 organization. . . . The AIEE named R. E. Poole, 1000, as a Fellow of the organization. . . . Jim Aquino, with a new home in America, started life with Dan and Jennie Aquino. Dan works in 2472 and Jennie, 4222. . . . Jim Mesnard, 5232, shaved off the beard and mustache so carefully raised while at the Nevada Proving Grounds. . . . Carolyn Tippit, 1641, headed the Sandia Little Theatre Group preparing for a new season.

July 17

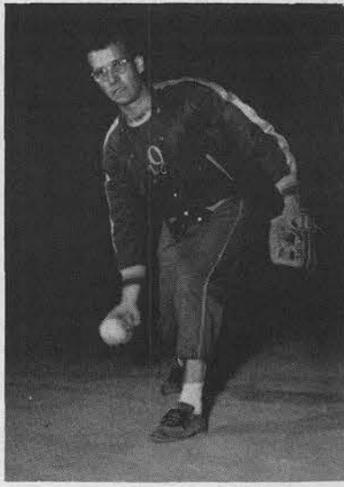
If you were a guppy you'd have had the same view as BULLETIN readers of four Sandians—Ed Bauer, Don Robbins, Bob Buehler, and Warren Taylor, all 5133. . . . Billy Thompson, son of Len Thompson, 2562-1, won high honors in the Pee-Wee division of the Junior Olympics in Albuquerque. . . . Members of the Military Liaison committee of the Department of Defense conferred with military officials and officials of Sandia Corporation in Albuquerque.

July 31

President Eisenhower nominated Donald A. Quarles, President of Sandia Corporation, to the post of Assistant Secretary of Defense in charge of Research and Development. . . . The BULLETIN found Jimmy Valentine, Roy Rogers, John L. Sullivan and Jack Dempsey working at Sandia. . . . A number of Sandians were spending two weeks in khaki at reserve training camps. . . . Skiers in the company, realizing it was July, got together for a swim.

August 14

James W. McRae was elected President of Sandia Corporation. The Joint Chiefs of Staff (Ad-



BRAVES PITCHER Harold Thomas, 2543, was caught in action in a pre-game warmup.

miral Radford, General Twining, Admiral Carney, and Gen. Ridgeway) were on Sandia Base. . . . Fred Comstock was elected head of State CPA society. . . . Dr. Frederick G. Hirsch discussed hay fever troubles, gave reasons and sympathy, little relief. . . . R. J. "Jack" Hansen, 2200, was named to head the Community Chest drive for Sandia Corporation.

August 28

Lewis S. Sorley, 3124, had as a visitor General Nathan W. Twining; both were members of West Point class of '19. . . . The man who can never make a mistake told of his job—it was demolitions expert Ira B. Ward, 5212. . . . Mr. and Mrs. John W. Martin became parents of twin girls Aug. 5. . . . D. A. Quarles, leaving for Washington, wrote a farewell message thanking S.C. employees, Los Alamos associates, and military co-workers for their cooperation.

September 11

First speaker at the University of New Mexico lecture series for ASME was John Wamsler, 1271, who used as a subject "Structural Design Problems in Naval Aircraft Design." . . . Charlie Kaspar, 3153, was named to head Coronado Club bowlers. . . . The Chamber of Commerce honored D. A. Quarles at a banquet. . . . J. R. Townsend, 1600, spoke on Conservation for Defense before a Masonic group. . . . BULLETIN readers learned of a "mountain paradise" in the village of Placitas.

September 25

James W. McRae assumed duties as President of Sandia Corporation.



CHANGE IN PRESIDENT for Sandia Corporation came in September. James W. McRae, standing, replaced Donald A. Quarles, who became Assistant Secretary of Defense in charge of Research and Development.

tion. . . . 150 employees enrolled at UNM for night courses. . . . Sandia Corporation received a commendation from the Army for cooperation with the reserve training program. . . . Charley Chavez, 1931, won tennis singles championship; Don Lawson, 5312, was runner-up. . . . Gene Newlin, 6010, was appointed entertainment chairman for the Coronado Club.

October 5

A special edition of the BULLETIN sounded the rally call for Sandians in their 1953 Community Chest campaign.

October 9

Walter A. MacNair, 5000, discussed industry and the atom at a dinner meeting. . . . Announcement was made of an Arctic radar line for warning against aerial attack. . . . Two young Navajo girls spent a week with H. C. Barr and his wife —had their first view of faucets, door knobs and television. . . . Incomplete returns of Red Feather drive indicated a new record.

October 23

Gen. K. D. Nichols was appointed the new manager of the AEC. . . . The Red Feather drive passed \$37,600 mark. . . . Twin youngsters of Neil Hansen, 3154, provided Hallow'e'en art for BULLETIN. . . . The Employees' touch football team ended its season with five wins and two losses. . . . Employees gave 358 pints of blood to Red Cross—a new record for the group. . . . A. M. Cadwell, President of Albuquerque Community Chest, expressed his thanks to Sandians for their generosity.

November 6

Col. Rellie W. Adams was named commanding officer of Sandia Base. . . . Lewis L. Strauss, chairman of the Atomic Energy Commission, told Americans the "Why" of AEC security. . . . Tom Marker, 5420, was appointed editor of the bi-monthly publication of the IRE, The Blast. . . . "Jezebel," the silver fox caught while visiting in the Tech area near Bldg. 894, was assigned to the Albuquerque Zoo.

November 20

Frederick R. Kappel was named the ninth president of Western Electric Company. . . . He succeeds Stanley Bracken who was appointed Chairman of the Board of Directors of W. E. . . . Hugh Kimbrough and Louis Rowe, both 2452, saved the life of a fellow deer hunter when he slipped and nearly plunged over a cliff. . . . Ted Jorgensen, formerly 2431, was made a life member of the Albuquerque Traffic Club prior to his return to Western Electric Company in New York.

December 4

Final reports of the employees' drive for the Community Chest showed a record of \$38,904—18 per cent over the total of last year. . . . Fred Gross, 2532, returned to Carlyle, Ill., for his vacation and a visit with his old friend and schoolmate, General William F. Dean. . . . Lengthy reports from the deer hunters show large numbers of Sandians were successful in their endeavors this year.

December 18

F. B. Smith, 3000, to go to Chicago where he will become Comptroller of Hawthorne Works of Western Electric Company, Jan. 1. . . . Employees in 2461-2 "adopted" youngsters in Korean orphanage. . . . Ann Vigor, 4222, sang a leading role in UNM production of "The Mikado." . . . Three hikers went all out and tramped through deep snow for a camping trip near Mount Wheeler; they were Gene Gardner, 1631-1; Ben Evans, 1633, and John Leslie, 1632. The BULLETIN extended Season's Greetings in two colors.

And so ended the year, 1953, as recorded by the BULLETIN. Some of the memories we recalled were vitally important to the Laboratory, others were unimportant though interesting. All help to bring back to mind a year full of Sandia people and Sandia events as recorded in the columns of this paper.

Personnel finds

A New Home

After several years of being housed in World War II temporary buildings Sandia Laboratory's Employment and Personnel Department has been moved into a new "home."

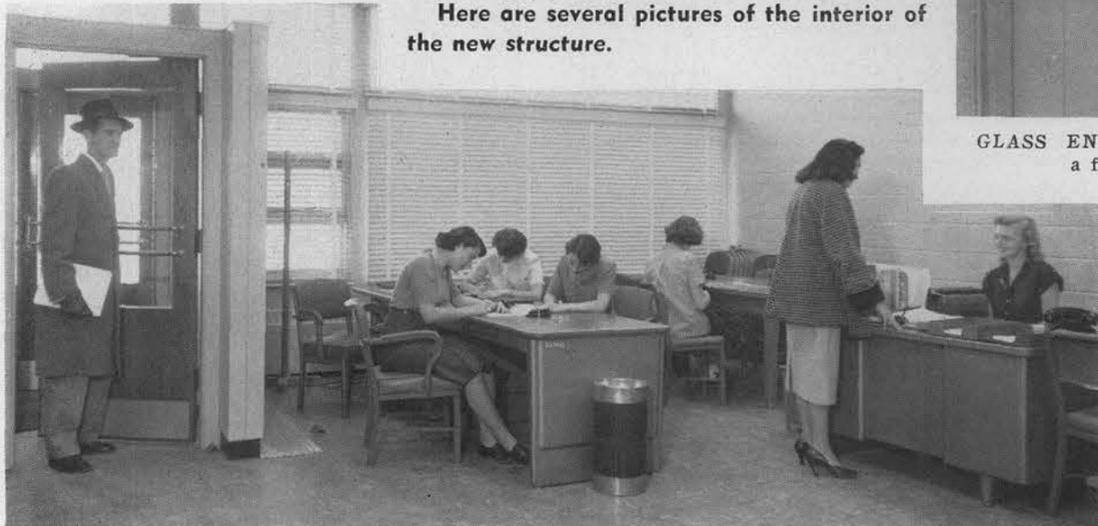
Located on the north side of the tech area, the new structure puts all activities of the

Personnel organization under one roof. Well lighted, comfortable, and designed for utility the building will help the members of the Department provide fast, efficient service.

Here are several pictures of the interior of the new structure.



GLASS ENCLOSED TESTING ROOMS are a feature of the new building.



THE LOBBY, like the rest of the new Personnel building, is designed for comfort and utility. L to R: Don Jenkins, 3154, Martha Brown, 3152, Dolores

Cordero, 3153, Pat Johnson, 3152, an applicant, Mary Alice Duran and Connie Steputis, both 3152. Convenient parking lots are an aid to prospective employees.



Ray B. Powell, 3150
Department Manager



EMPLOYEE RECORDS are maintained by an efficient filing system arranged in a well-lighted bay. Clockwise: Bernice Pearl,

Joann Fawley, Carol Keith, Elsie Kalfas, Sandy Whitcomb, Connie Ramirez and Mata Dugger, all 3153. The records are extensive.



DIFFERENT TESTS can take place simultaneously while testers observe, time the test in progress and score previous tests. Playing the part of employees taking tests are L to R in the left room: Betty Wilford, a testee, Dorothy Anderson and Molly Nason, all 3152. Right room: Eleanor Unflat and Joan Swing, both 3154, Peggy Haner, 3152, and Mary Vcella, 3154. In the foreground are testers Betty Newman (left) and Joann Marksbury, both 3154.



PROCESSING OF NEW EMPLOYEES is handled in a special room. Here four newcomers fill out forms

under the watchful eye of Lillian Erickson, 3153, while Janice McSwain, 3153, makes a telephone call.



PROFESSIONAL EMPLOYMENT and Personnel business is carried on in bright, well-organized offices in the east end of the building. These offices and others shown above are typical of the modern facilities available to the various other Personnel functions.

Promotions

JOHN R. PIPER to section supervisor, 1332-1. John has been with the Laboratory since 1948. He came



here from a consulting engineering firm in Kansas City, Mo., where he worked a year as a design engineer. John also spent a total of two years with Allis-Chalmers Corp., a manufacturing firm at Milwaukee, Wis., as a design sales engineer. He is a veteran of two years in the Navy and has a B.S. in mechanical engineering from Kansas State College.

ROBERT T. FOSTER to section supervisor, 1931-1. Bob joined the Laboratory in 1948 following seven



years service in the Army Medical Corps. He started as a first lieutenant and when he left held the rank of Lieutenant Colonel. Prior to entering the service Bob worked for five years as Director of State District Laboratories with the Missouri State Health Department. He has an M.S. degree in chemistry from the University of Michigan plus a B.S. in chemistry, an A.B. in languages, and a B.S. in education from Central Missouri State College.

WALTER C. HUNTER to division supervisor, 1652. Walter joined us in 1952 after nine years in mobile



radio telephone and TV microwave relay design and development with the Bell Telephone Laboratories in the New York-New Jersey area. He also spent half a year with Western Electric Co. as a radar field engineer. Walter taught communications engineering for two years at Oklahoma A&M College and at Enid High School, Enid, Okla., he taught chemistry and math for seven years. He has an A.B. degree in physics and a Masters Degree in administration from Phillips University.

GERALD J. HURLEY to division supervisor, 1723. Gerry came to Sandia in 1951 after a year with Ford



Motor Co., Kansas City, Mo., as assistant to the administrative manager. Before that he worked a year and a half with Americana Corp. in Kansas City as district manager. He also spent a year at Fort Ord, Calif., as an educational and vocation counselor. For two years he owned a sporting goods store at Pacific Grove, Calif. Previously Gerry taught science courses at St. Mary's high school, Phoenix, Ariz., for two years. He has an M.A. in sociology from San Luis Rey College and a B.A. in sociology from St. Mary's College, Moraga, Calif.

Ohio State Alums to Hear Will Keleher

Will Keleher, Albuquerque attorney and author, will be the featured speaker at a dinner-meeting Tuesday, Jan. 5, when the Ohio State Alumni Club gathers at La Cocina in Old Town.

Mrs. P. J. Long, ext. 29288, and Louis Stewart, Alb. 5-6429, may be contacted for information about the event which is scheduled to begin at 6:30 p.m.



"I'll light a cigar and use some of my time to relax."

With Long years of
Hard work now past

John Brasemann Retires

Next week John C. Brasemann leaves his job with Sandia Corporation in 2419 and retires.

John, one of the first employees reaching retirement age since the Corporation adopted the group annuity plan, has decided to take advantage of his retirement income benefits.

When John leaves us next week he'll have four years service with the company.

Before coming to New Mexico, not long after World War II, John spent his life working, mainly in the building industries, in Cleveland, Ohio. He has two married daughters, one in California and one in Cleveland. With his wife, Myrtle, he plans to live on his acreage southwest of Bernalillo, near Albuquerque.

There John expects to lead a quiet, leisurely life doing what he wants, when he wants, the way he wants. "The wife and I have a nice little piece of land," he says, "and what we've built here we've built ourselves. Now that I have both time and security we'll go right on building together."



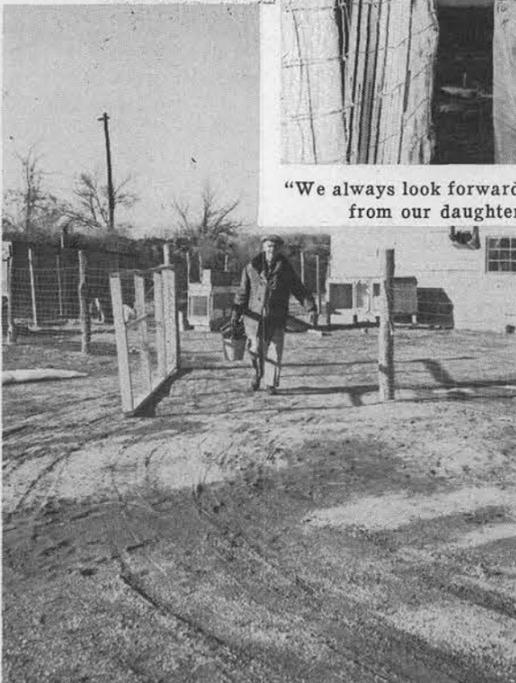
"What we've built here we've built ourselves . . ."



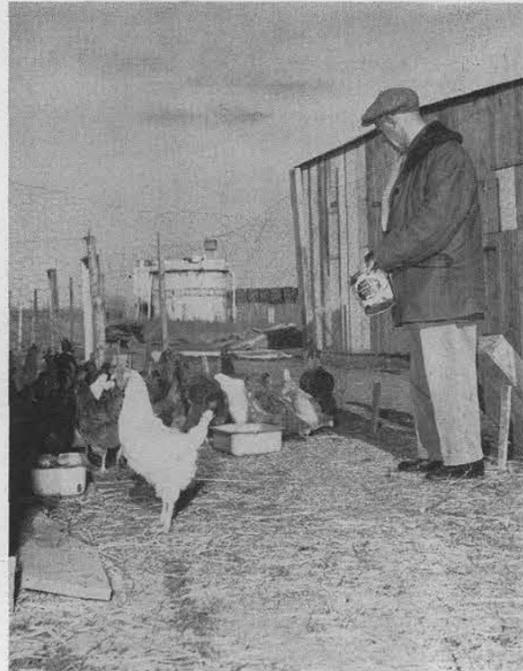
"We always look forward to letters from our daughters."



"We have good soil—and we have plans for the future."



"There're always some chores to do, like toting in the coal for the stove."



"We will have plenty of fresh eggs and chickens—it's a hobby that pays off."

CLASSIFIED ADVERTISING
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.
Advertisements must be submitted in writing and contain the name, organization, home telephone number and base extension of the advertiser. Each advertisement will be run one issue. Deadline: Friday noon, one week prior to date of publication.

Next Deadline: Noon, Jan. 8

FOR SALE—

- ONE PAIR Lionel No. 022 "0" gauge remote control switches, \$17.75. Rufsvold, Alb. 7-8932.
- 8 MM. EASTMAN projector, compact 500-2 Cineiscope model, also glass bead screen, both for \$39. Marron, ext. 27265.
- HOFFMANTOWN HOME, 3 bedrooms, 1½ baths, utility room, pumice-block construction, central heat, pitched roof, weather-stripped, venetian blinds, sprinkler system, full lawn, walled yard, \$9000. Cox, Alb. 6-1182.
- NEW 12½x12½ DUNLOP tire and tube for wheelbarrow or motor scooter, will sell at your price. Blythe, ext. 24136.
- K AND E SLIDE RULE, Log Log Duplex Decitrig and Vector, \$15. Barth, Alb. 5-7168.
- HOFFMAN TV SET, 14-in. screen, swivel table, \$80. Folding baby buggy, high chair pad, folding car seat, \$12. Van Vickle, 8215 Indian School Rd. NE. Alb. 6-3223.
- DOUBLE OVEN Frigidaire electric range, automatic control, \$300; also Hollywood bed, complete, \$20. Otero, 505½ Roma NW.
- CUSTOM MADE hi-fidelity AM-tuner and Audio Amplifier on 13x17 in. chassis, \$125, or trade for good 2¼x3¼ in. enlarger. '52 stock Ford head, 7.6 compression on 49-53 Mercury, \$15. Roberts, Alb. 6-4645.
- GE MAHOGANY TV combination, needs 10-in. picture tube, make offer. Stickler, Alb. 5-3039.

shopping center

- SPEED GRAPHIC Pacemaker, 4x5, all accessories, make offer. Harris, Alb. 5-6608.
- KENMORE SEWING MACHINE, 1 year old. Corbitt, ext. 32155, or see at 441 Gen. Patch NE.
- MICROPHONE, Shure Model 508C "Stratoliner" Hi-impedance Dynamic with 18-ft. cable and desk stand, never used, \$22.50. Hollowwa, Alb. 5-6938.
- SIDEWALK BIKE, sturdy construction. Welker, 8510 Flower Place NE, Hoffmantown, ext. 31248.
- SKI BOOTS, men's size 9, \$10. Amonette, 1827 Neat Lane SW, Alb. 3-8928.
- PEDIGREED SEAL POINT Siamese kittens, one male and one female, \$25 each. Barcroft, ext. 32270.
- GE AUTOMATIC WAFFLE IRON, \$15, used only twice. Walker, ext. 28159.
- MIMIYA 35-MM. CAMERA, Simlar f-3.5 lens, built-in viewfinder, aperture openings 1-sec. to 1/200 sec., filter and filter ring adapter, auto-up, for close work portrait shade with 75 feet of B&W bulk film and carrying case, \$65; used electric percolator, used electric iron, 1-qt. electric ice cream freezer. Hein, 3385-52nd St., Sandia Base, ext. 52198.
- SEALY BOX SPRING and mattress, lined oak double bed with bookcase headboard, lined oak writing desk which converts into dining table (4 leaves), 4 lined oak chairs with covered seats, brown studio couch, lined oak step table, brown floor lamp, green table lamp, 9x12-ft. green cotton rug, set of four red tray tables, and bookcase. Cost new \$470, will sell all for \$290 or will sell separately. Marshall, ext. 27292, 3225-O 34th St., Sandia Base.

- MATTRESS AND SPRINGS, full size, \$20; headboard, beige plastic covered, full size, \$8; rollaway full size bed, \$20; plastic covered baby bed mattress, \$5. Bowen, 701 Kentucky St. SE, Alb. 5-6759.
- SPRINGER SPANIEL pups, AKC registered, fine hunters and pets. Bigsby, Alb. 5-9265.
- MAPLE FINISHED living room suite, make offer; also solid maple coffee table, \$15. Hanna, 441 General Chenault NE, ext. 21132.
- OR TRADE, Premier No. 7 checkwriter. Flowers, 227 Mesilla NE.
- EAGLE MOTOR, '51 model. Baca, Alb. 2-5955.
- '49 CHEVROLET short block, rebuilt. Marchbanks, Alb. 4-3359.
- OR TRADE, 35-horsepower crawler tractor. Sons, Alb. 7-9073.
- BOY'S BICYCLE, 26 in. balloon tires, 3-speed coaster brake, \$20. Smith, ext. 20281.

WANTED—

- GIRL to share large nicely furnished apartment with two other girls, University SE. Mary Schutte, Alb. 2-5016.
- THREE PERSONS to form 5-man car pool from vicinity of Rio Grande Blvd. and Candelaria Rd. to tech area Gate 4. Galbreath, Alb. 4-4306.
- RIDE from Bel-Air to Adm. Bldg. Helen Besser, ext. 35243.
- ADDITIONAL DRIVERS in car pool from vicinity 400 block Adams NE to Bldg. 800, go home for lunch. Brodsky, Alb. 5-8897.

RIDE from 2900 Sierra Dr. NE to east or south Tech gate. Al Lujan, Alb. 6-0108.

FOR RENT—

- FURNISHED APARTMENT, \$45 plus utilities. Aires, Alb. 7-9852.
- TWO BEDROOM HOME in Kirtland addition, 1324 Spence St., \$70. Newman, Alb. 5-6384.
- THREE-ROOM furnished apartment. Sons, Alb. 7-9073.
- DUPLEX APT., 5 large rooms plus garage and storeroom, completely furnished, rugs, drapes, etc., near school, church, shopping. 1207 Coal SE, lease at \$90 month. Bishop, Alb. 7-9483.
- TWO BEDROOM HOUSE, 227 General Chenault NE. Fresquez, Alb. 6-3333.

TRADE—

MY EQUITY in '49 Olds 88, R&H, directional signals, clean, for '47 or '48 model car in good condition, \$408 balance on Olds. Make offer. Hevert, 8007 Aspen Dr. NE, ext. 27234.

Sandia PTA Sponsors Panel Discussion on Juvenile Delinquency

"Juvenile Delinquency" is the topic for a four-man panel discussion at the Jan. 11 meeting of Sandia Base Parent-Teachers Association in the gym at Sandia Base School. Prominent Albuquerqueans appearing on the panel will be District Judge Edwin L. Swope, William J. Cooper, assistant probation officer for Bernalillo and Sandoval counties; Charles Renfro, city recreation director, and City Prosecutor Ben Osuna.

IRE Theory Group Elects Ned Wilde Chairman for '53

The newly organized Institute of Radio Engineers Microwaves Theory and Techniques professional group recently named Ned Wilde, 5414, as chairman. Ted Church, 5410-A, was elected vice chairman and M. C. Jones, 1652, was chosen secretary. These new officers will serve half a year. The next slate of officers elected will serve for a full year. Heading the nominating committee for this election was B. J. Bittner, 5412. The IRE Information Theory professional group will hear L. Brillouin's paper "Maxwell's Demon Cannot Work" reviewed by Alex Fursa, 5415, when the group meets Jan. 13. The meeting will be held at Mitchell Hall, Room 111, University of New Mexico. A joint meeting of the IRE's Antennas and Propagation and Microwave Theory and Techniques professional groups will be held Jan. 4 at the home of R. B. Jacques, 5412, at 4541 Trumbull Ave. SE, 7:30 p.m. Richard K. Moore, 5412, will present a talk on "Antennas in Conducting Media." The holidays are more enjoyable than expected at the Fred Poe home since his baby has recovered from a broken arm. Fred works in 2561-3.