

Sandia Corporation LAB NEWS

ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

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

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JANUARY 8, 1960

Application Deadline Jan. 12

New Apprenticeship Program In Electronics Ready to Begin

Deadline for applications for enrollment in Sandia's first Electronics Apprenticeship program has been set for Jan. 12.

This is the second apprenticeship program to be set up by Sandia Corporation. Previously a program for apprentice machinists was established March 3, 1958.

The new four-year program was developed through the efforts of a special committee, comprised of three men appointed by the Atomic Projects and Production

Workers, Metal Trades Council: Homer Messenger (2721), C. E. Jenkins, Jr. (2723) and Marian Tillman (4233) — and three men representing Sandia management: R. S. Lemm (4230), Walter Hall (4250) and M. A. McCutchan (3132-1).

1100 Hours Theory

Included in the apprenticeship will be 1100 hours of theory and related classroom instruction provided by Trades Training and Education Section, headed by W.

L. Miller, D. A. Watt, supervisor of Electrical Division 4233 in the Development Shops, will be responsible for on-the-job training.

In addition, the apprentices will be required to complete a certain amount of out-of-hours training in Sandia-sponsored classes in related subjects (mathematics through trigonometry, mechanical drawing and plastics).

Under the agreement signed between the Corporation and the Metal Trades Council, the following skills will be included in the program: cables and terminal boards; soldering techniques; machine operation and sheet metal fabrication; electronic fabrication; equipment repair and calibration; inspection methods; printed circuits; special assignments in plastics and winding operations, and electronic theory and related instruction.

Additional information and application blanks may be obtained from personnel representatives or from General Personnel Section 3121-2, ext. 35265.

Qualifications Listed

In general, qualifications for the apprenticeship program call for the applicant to be a high school graduate or equivalent, under 30 years of age (although military service or unusual qualifications will be taken into consideration and may change this requirement), and physically able to perform all job functions of the trade.

A battery of tests will be given to determine the candidate's ability. Of most importance is a requirement that the applicant be strongly motivated to make a career of the trade and be willing to take the required training both on-the-job and out-of-hours.

Applicants with previous trade experience will start their training at a commensurate level.

Sandia's program meets the apprenticeship requirements of both the New Mexico State and Federal apprenticeship programs.

Sandia to Fire High Altitude Rockets at Point Arguello

Sandia Laboratory will begin a series of five or six monthly rocket firings late this month at Point Arguello, California.

The three stage high altitude sampler rockets are being fired from this site of the Navy's Pacific Missile Range, because it is better adapted for high altitude firings than is the Tonopah Ballistics Range in Nevada.

The rockets will have a maximum altitude of 220 miles and a possible range of 300 miles. The rocket systems were designed by the Aerodynamics Department (5141 and 5143).

Special tracking systems have been designed for the tests by Sandia's Tracking Systems Divis-

ion 5221 and an ME-16 tracking telescope has also been installed at the Point Arguello site by Engineering Division 5224. Test Project Division I 5251 has designed the airborne instrumentation for the rockets and also has the responsibility of coordinating the entire project of the rocket firings.

Ray E. Wason (5251) has been stationed at Point Arguello since Nov. 15, 1959, to help prepare for the firings. He will be joined by additional engineers from the Field Testing Organization during the test periods.

The series of test firings will be purely developmental to establish the rocket and instrumentation systems.

Winning Editorial To Be Announced In Next Issue

"Let's Face Communism Sensibly" is the topic for the Lab News' second editorial writing contest.

The winning editorial on the first subject, "Inflation—Its Dangers to the Wage Earner," will appear in the Jan. 22 issue.

Editorial should be no longer than 500 words.

Entries on the Communism topic must be in the Lab News office, Bldg. 829, by Feb. 1. Please include your name, organization and office telephone extension. The best editorial will win a \$25 U.S. Savings Bond.

All employees of Sandia Corporation below level of department manager are eligible to enter the contest except those in the Public Relations Division.

Applications for Masters Degrees Are Due Before Feb. 1

Employees who have completed at least six hours of graduate work under the Educational Aids Program at the University of New Mexico should file an Application for Candidacy to the Master's degree. This form, signed by the employee's faculty advisor and the Dean of the Graduate School should be filed with the Graduate Office of the University. One copy also should be filed with Staff Education and Training Division 3131 in Bldg. 301 by Feb. 1.

Applications for Educational Aids for the Spring Semester 1960 will not be approved until the Application for advancement to Candidacy has been approved and a copy furnished Division 3131. Applications are available at the Graduate Office, UNM, Room 150, Administration Building.

Livermore Laboratory Adopts New Security Symbol for Use in Campaign

Livermore Laboratory employees will meet Mr. "Q" this week.

Mr. "Q" is a new symbol of security. His picture will appear on security posters, open-appeal signs on safe files, on security bulletins, and on a large banner to be flown on the Laboratory's flagpole.

Mr. "Q's" debut will kick off a security education program honed to further sharpen the security consciousness of the Laboratory's staff.

A new security theme will be introduced each month by Mr. "Q" to acquaint employees with all facets of security, according to Matt Connors of the Physical Security Section (8231-1), whose organization is conducting the program.

"When and if a security infraction takes place at the Laboratory



Mr. "Q"

the Mr. "Q" banner will be flown at half-mast to alert employees. We hope that these reminders, coupled with regular security lectures at the division level, will improve our security record," Matt said.

The "Q" symbol represents the Q clearance, the badge of trust worn by all Sandia Corporation employees. The symbol was originated by Vince diLorenzo (8233-2) in 1958 and it was chosen as the winner of a security symbol contest sponsored by Sandia Corporation's Security Division (3422).

Art work on the Mr. "Q" security reminders was done by Ben Aikin of the Technical Illustration Section (8114-5).

Credit Union Annual Meeting Set For Jan. 21

The annual meeting for Sandia Laboratory Federal Credit Union members will be held Jan. 21 at 7 p.m. at the Coronado Club.

Members will elect directors and choose members for the credit committee. Recent changes in the Federal Credit Union act will be discussed, according to Manager Dale Bellamy.

Mr. Bellamy said that assets of the credit union now exceed \$6,000,000. The regular annual report will be sent to members a few days before the meeting.

Chemical Corps Officers Speak Before Sandia Research Colloquium

Two representatives of the Army Chemical Corps are slated to address Sandia's Research Colloquium on Jan. 20.

Elmer Engquist will speak on "Current Developments in Chemical and Radiological Warfare" and Dr. Harold Glassman's subject is "Current Developments in Biological Warfare."

Tickets will be required for the session, according to Craig C. Hudson (5113), colloquium chairman. The meeting will be at 9:30 a.m. in Bldg. 815.

Sandia Gets Thanks For Good Turns in Boy Scouts Work

The Kit Carson Council of the Boy Scouts of America recently passed a resolution in appreciation of cooperation and help given scouting. Particular mention was given to encouraging leadership in the scouting program and assisting in conduct of special activities such as the Scout Science Fair.

Kansas Students Take Full-Day Tour Of Several Sandia Lab Facilities

A group of 39 high school and college science students and teachers from Manhattan and Salina, Kansas, visited Sandia Laboratory on Dec. 28.

M. L. Merritt (5130) addressed the group in Bldg. 815 on some of the possible activities in "Project Plowshare."

Following a viewing of "The Sandia Story," visitors toured the Van de Graaff accelerator, industrial hygiene, chemistry, solar furnace and telescope facilities.

After lunch at the Coronado Club, the group visited Area III where R. L. Ault (1615) escorted the visitors to such facilities as the drop tower, centrifuge, air gun, sled track, shake table and acoustic facilities.

The teachers and students made the trip for the purpose of visiting Sandia and Los Alamos Scientific Laboratory.

Public Relations Division (3431) arranged the tours.



SCIENCE STUDENTS and teachers from Manhattan, Kans., toured Sandia Laboratory facilities Dec. 28. Four of the group of 39 visitors are shown here

watching R. G. Elsberg (3361) demonstrate beryllium extraction techniques. The group was at Sandia all day and toured LASL on Dec. 29.



Mr. Parker

G. A. Parker to Take New Post At Hawthorne

G. A. Parker, Jr., Director of Industrial Relations, will transfer to Western Electric's Hawthorne Works (Chicago), effective Jan. 15.

At Hawthorne, Mr. Parker will be Superintendent of Relay and Capacitor Shops.

His career in the Bell System began in 1936 at Hawthorne, where he was promoted to Group Chief and later Section Chief. In 1947 Mr. Parker became Department Chief of Industrial Relations at the Duluth plant.

He was chosen to attend a Labor Relations and Management Training Course in 1950 and afterwards was Department Chief, Labor Relations (Manufacturing Division), at 195 Broadway.

In 1952 he returned to Hawthorne for a short period as Assistant Superintendent, Labor Relations, before transferring to Teletype Corporation in a similar capacity.

Mr. Parker was again at Hawthorne as Assistant Superintendent, Printing and Reproduction, from April 1955 until the following year when he was appointed Superintendent of Inspection and Plant Security for Sandia Corporation.

A New Name - And Why

This issue the Sandia Lab News presents a slightly different name on Page One. Now the publication is known as Sandia Corporation Lab News.

Here is the reason for this change. We think you will be interested in this reason as therein also lies the reason for the gradual change in content of the paper.

Sandia Corporation now has two major laboratories - one in Albuquerque and one at Livermore, Calif. Both of them are served by this one paper. At both of them, employees look to the Lab News for information about the company and information about their co-workers.

The old title, Sandia Lab News, served well while Sandia Corporation had only one major laboratory - Sandia Laboratory. But now that Livermore Laboratory has reached a significant size the old name no longer reflects the areas covered by the publication. Thus the change to the new title.

The Lab News, as undoubtedly the publication will be called, has a staff at Livermore as well as Albuquerque. Employees at both laboratories are encouraged to notify these staffers of news items considered of importance and interest to Sandia employees.

We hope you like the new "flag."

Congratulations

Born to:

Mr. and Mrs. Warren Zechmeister (8114-4) a daughter, Karen Beth, on Dec. 16.

Mr. and Mrs. Marvin Brieske (8163-2) a son, Mark Alan, on Dec. 16.

Mr. and Mrs. Melvyn Montano (4224-1) a daughter, Kristan Marie, on Dec. 8.

Mr. and Mrs. E. C. Chare (5131) a son, Joel, on Dec. 21.

Mr. and Mrs. Ed Austin (2533) a daughter, Diane Elizabeth, on Nov. 20.

Auto Injuries

Co-workers of Gerald E. Strandin, Harold F. Norris (both 8121) and Donald J. Bohrer (8152) wish them a speedy recovery from injuries sustained in an automobile accident Dec. 19. Mrs. Bohrer, an employee of LRL, was also injured in the accident.

New Homes

At Livermore, John E. Miller (8211-3) and his family have moved into their new home at 426 Lincoln Ave.

New home owners in Albuquerque include the Ed Austins (2533) at 10008 Mesa Arriba Ave. NE.



ROSEANNE BASCOM (3122) is surrounded by the fruit baskets given to seriously ill employees at Sandia Laboratory. Supervisors of the employees delivered the baskets on Christmas Eve.

Wedding

Marriage vows were exchanged Jan. 2 at St. Anne's Catholic Church between Angie Romero

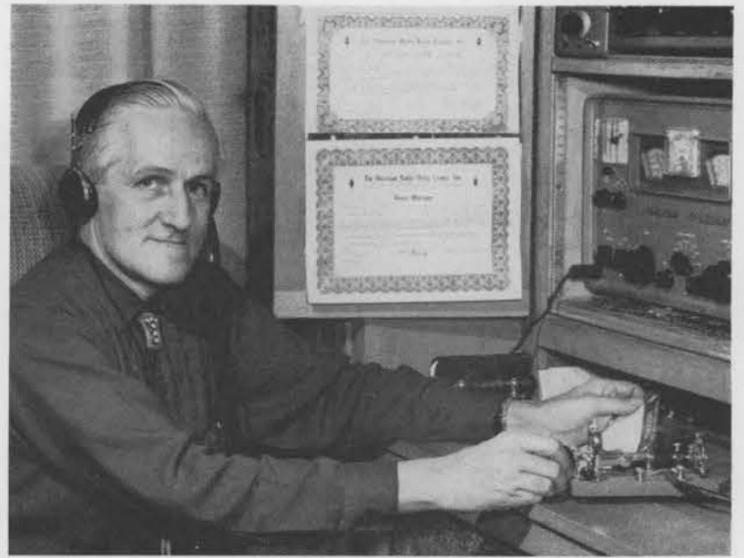


and Cast Moya, both of Albuquerque.

Angie has worked in the Corporation typing pool (3126) since last June.

Welcome Back

Fellow employees of Shirley Mosley (8212-3) welcomed her back to work recently following surgery.



CARL FRANZ (1321-1) is shown above at his ham radio set which is covered with certificates of membership in amateur radio operators' clubs and citations for work done during times of disaster.

Sandian Who Serves—

Carl Franz Puts Years of Amateur Radio Experience to Public Service

This is another in a series of articles describing the community activities of Sandia Corporation employees.

Carl W. Franz (1321-1), veteran amateur radio operator, has turned his hobby into a time-consuming job. He serves Albuquerque and New Mexico in times of emergency and disaster.

An amateur radio operator for almost 40 years, he started back in those "good old days" when Model T spark coils were the heart of many transmitting sets. Vacuum tubes were still in the mind of a man by the name of Lee DeForest.

When World War I came along Carl left the air and amateur radio and did not return until the late 1920's. Except for the duration of World War II he has been active ever since.

Since coming to New Mexico in 1952 he has devoted most of his operating time to the development of emergency communications networks and regular traffic systems. He is a member of the administrative staff of local Radio Amateur Civil Emergency Service, better known as RACES. As a member of Civil Defense, he serves as Staff Radio Advisor to the Director.

Carl is a candidate for the office of Section Communications Manager, who is the official representative of the American Radio Relay League. This organization is the American amateur radio operator's contact with the U. S. Government.

Carl presently holds League appointments of Route Manager for New Mexico and Emergency Coordinator for the Albuquerque area. As Route Manager he organized and operated a state-wide communications network, part of the League-sponsored National Traffic System. The FCC recently appointed him as custodian of amateur license material for this area.

In 1938 Carl was appointed to membership in the A-I Operators Club. He is also a member of the Caravan Club of New Mexico, Sandia Base Radio Club and the Old Timers Club. He holds a Public Service Award for work done during flash floods.



Elaine Bullock (5150)

Take A Memo, Please

The time used to keep machines clean, aisles clear, stock piled up, and tools put away, is not time spent, but time saved.



THE PLAYBOYS, Sandia singing quartet, cut loose with strictly modern harmony. (L to R) Dan Aycock, Cal Sexton, Bill Stephens and Don Gorsline are members of the vocal organization.

These 'Playboys' Dead Serious In Their Popular Song Interpretations

"The Playboys," a quartet of Sandia employees, have been entertaining many groups during the holiday season with their renditions of popular songs.

The singers are: Dan Aycock (3447), a baritone who during the day is TDSR for 5530 and 5540; tenor Cal Sexton (4413), a draftsman; Bill Stephens (5512), a crypto operator who is the lead singer, and bass Don Gorsline (5241), an analyst in Sandia's data reduction organization.

Organized last April, the Playboys made their first public appearance during the 3100 Christmas party at the Coronado Club.

All have had extensive experience in the field of music. Cal was a former member of the Lads of Enchantment and sang with a vocal group in El Paso. Dan was also one of the "Lads" and chorus director for a local Barbershop Quartet during his 16 years of public singing. Bill sang with the Roger Wagner Chorale in Los Angeles.

Don was formerly director of the Sandialiers and while in military service was bass soloist in the Sandia Base Protestant Chapel choir.

Sympathy

To Mr. and Mrs. R. P. Stromberg (1322) for the death of their infant son, Joseph Benedict, on Dec. 22.

To Rodney Carlson (1424-2) for the death of his grandfather in Albuquerque Dec. 30.

To B. J. Lawrence (1422-2) for the death of his father in Bozeman, Mont., Dec. 27.

To Solomon Apodaca (4221-2) for the death of his brother in Albuquerque early in December.

To Arthur P. Renfro (4224-3) for the death of his mother-in-law on Dec. 17.

To Lee E. Heames (5132) for the death of his father in California Dec. 24.

Christmas Help Lingers Thanks To Sandians Work

Results of charity acts, made possible during the Christmas season by numerous Sandia Corporation organizations, are still being felt by many needy families in Albuquerque.

Group activities not previously mentioned include: Department 5520 "adopted" a mother and her six children and provided groceries, clothing and toys; Department 5150 assisted three families with \$240 worth of food and a station wagon load of clothes and toys; Sections 4232-1 and 4232-4 joined Department 4250 in aiding several families through their Christmas Fund.

Members of Organization 1300 donated \$104, which was turned over to the Salvation Army; Department 4110 sponsored a family consisting of a mother and her nine children and provided them with food, clothing and toys; employees in Department 4510 collected \$75 for food and also donated clothing and toys for a family with 10 children in Tijeras Canyon.

Just Married

Best wishes are extended to Jay D. Stern (4231-2) and his bride, the former Joan Raye Montgomery. The couple was married Dec. 11 at the First Presbyterian Church and, after a honeymoon trip to southern California, is now at home at 4802 Marquette NE.

Article Published

H. B. "Hy" Young (4422) has had another article published, this time in the December issue of Firland magazine.

The article is entitled "The Courageous Ones" and describes the work of handicapped persons.

'Great Decisions' to Tackle Eight Foreign Policy Issues

Fact sheets are now available for the eight foreign policy issues to be discussed in the "Great Decisions—1960" program.

This will be the second time that citizens of Albuquerque have participated in "Great Decisions," an annual community study and discussion program of major United States foreign policy issues. The basic plan of the nationwide program is to organize small neighborhood groups to meet once a week for eight weeks to discuss timely topics and thereby promote better public understanding of critical international issues.

According to L. E. Castle (3132), chairman of the Albuquerque program, the fact sheets, which cost \$1, may be purchased at the Albuquerque Public Library and the three branch libraries, the Sandia Corporation technical library in Bldg. 802, Services and Benefits

Division in Bldg. 829, and several other locations.

Great Decisions kits include an introductory booklet with a brief explanation of the U.S. objectives in the world, a fact sheet of basic background information on each of the subjects to be discussed, eight opinion ballots, a bibliography and tips for leading or taking part in a discussion.

This year's program officially begins Feb. 7 with the subject "Communist Timetable for 1960—What Odds?" At the close of each discussion session, opinion ballots are filled out by participants and mailed to the Albuquerque Great Decisions Committee, P.O. Box 814. The local summary is then sent to the Foreign Policy Association, a non-partisan educational agency, which will prepare national summaries to be forwarded to the State Department and Senate Foreign Relations Committee.

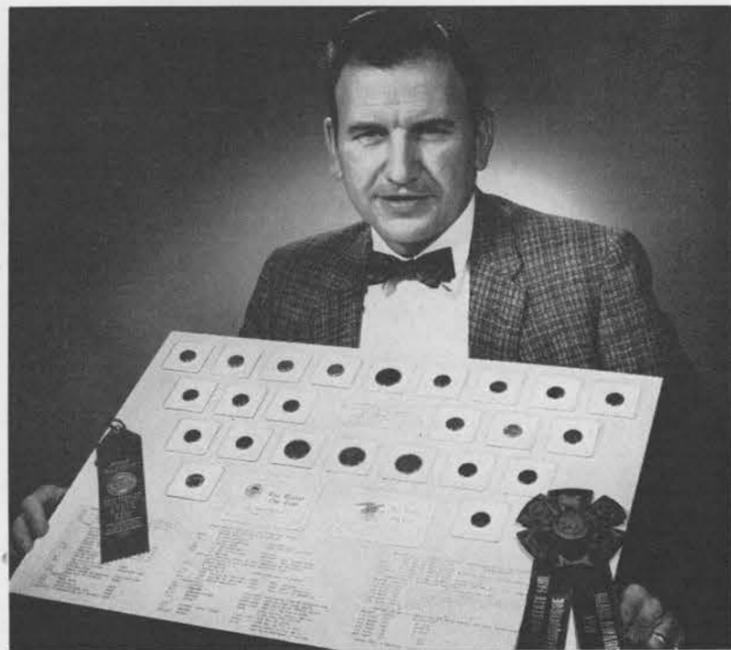
As in the past the program is be-

ing supported locally by civic organizations, the Albuquerque Public Schools, the University of New Mexico, American Legion, various women's clubs, the Albuquerque Ministerial Alliance and others.

Mr. Castle has received requests from both the American Association of University Women and the state president of the League of Women Voters for additional information about the program for their chapters in other towns and cities in New Mexico.

To supplement the background information, the **Denver Post** will publish a series of articles on the different Great Decisions topics, prepared by foreign correspondents of the **Christian Science Monitor**.

Sandians interested in participating in discussion groups or helping to organize groups are urged to contact Mr. Castle at ext. 31261, or T. B. Sherwin at ext. 26150.



LARGE CENTS, white cents, Indian head pennies. If it is an American coin representing 1/100th of a dollar C. E. Katzenberger no doubt has it in his prize-winning pennies collection.

Sandian Devotes 30 Years To Coin Collection of Pennies

"Reflection on the Cent, the 1/100th Part of the U. S. Dollar" might sound like the title of a talk on how inflation has pressured the familiar copper penny out of purchasing power. Instead it is the title of a coin exhibit.

C. E. Katzenberger (4132) began his coin collection about 30 years ago and decided to specialize in the American cent due to its availability. His present collection is comprised of Liberty cents collected by his grandfather, "paper cents" saved by his father when they were issued in the family's hometown, his brother's collection of Indian head pennies, and Lincoln cents that "Katz" gathered from those in general circulation.

These coins, combined with considerable study on the subject, netted Katz Grand Award and First Premium prizes at the 1959 State Fair.

There has been considerable variety in American cents since they were first issued in 1793. From that date until 1857 there was the large or Liberty cent, from 1856-58 the small Flying Eagle, from 1859-1909 the Indian head, and the Lincoln head from 1909 to the present time. Each change in appearance or weight must be authorized by an act of Congress.

As Katz explained, there are also changes within the general form such as the differences in hair styles on the Liberty cent, no shield on the 1859 Indian head cent, and wheat heads on the reverse of the Lincoln penny until 1959 when replaced by the Lincoln memorial to commemorate the 150th anniversary of his birth.

Other variations include location of mint marks, coins struck from inferior dies, and initials of designers or engravers.

The first American "pennies"

were coined from 100 per cent copper planchets imported from Birmingham, England. By 1856 a combination of 88 per cent copper and 12 per cent nickel was in use which gave the coin a light appearance and is sometimes called the "white cent." The next change occurred in 1864 when French bronze or coin bronze was adopted, which is still in use and is probably the most popular metal worldwide for coinage because of its durability. This is a combination of 95 per cent copper and five per cent tin and zinc.

Even after the metal content became standardized there were still changes. In 1943 during the midst of World War II copper became a critical war item. The U. S. mints struck 1,093,838,670 zinc-coated steel cent coins that year. "These bring premium prices in uncirculated condition," Katz explained, "because they deteriorated so rapidly in use."

The following year and also in 1945 metal salvaged from shell cases was used in combination with five per cent zinc. By 1946 things were back to normal.

Two unusual items in Katz's collection are paper script issued in one cent denominations by the Peoples Banking Company of Lewisburg, Ohio, in 1917 during a coin shortage. Similar issuance for local circulation was believed made by a town in New York and another in California.

"At least nowadays a man can carry a dollar's worth of cent pieces in his pocket," Katz concluded. "Back in the Liberty days, 100 cents would weigh nearly four pounds."

Speaks to Latin Club

Marcel Weinreich (3421) spoke to members of the Woodrow Wilson Junior High School Latin Club on Jan. 7. His topic was "Rome and Los Alamos (Latin and the World of Science)."

Welcome Newcomers

Dec. 7-31

Albuquerque	
Robert H. Banks	4152
Judith A. Bateman	4413
Evangeline J. Boley	3126
James E. Breitenbach	4233
Martha D. Brown	4413
Lyle W. Burns	4511
Irene Bushmire	3461
Raymond H. Chavez	3463
Sandra G. Clifford	3126
Philip S. Conlee	4413
William M. Derr	4413
Helen G. Dopson	3126
Paul DuBois	4574
George R. Edgerly	3466
Richard J. Etold	4413
Shirley F. Ferguson	3126
Vincent Gallagher	4574
Tom V. Garcia	4574
Nancy G. Gragg	3126
Ellaene C. Griffith	3126
Hyacinth Gulliver	3126
D. D. Ingram	3126
Joan E. Jackson	4413
D. Janie Karels	3126
Marie Ann Kimball	4413
Charlene M. Malvern	3126
Willard C. McGrew	4231
Marlene K. Ormsley	3126
Ronald J. Rietz	4413
Flora M. Rizzotto	3126
Hortensia Sandoval	3126
Eunice M. Scholten	3126
Cecil W. Tucker	4413
Velma Lou Van Meter	3126
Everett P. Watt, Jr.	4152
Lewis A. Wickham	4574
Kathryn D. Walter	3126
Mary L. Ward	4413
Arizona	
Arthur F. Gustafson, Phoenix	4574
California	
Melba Fitzgerald, Livermore	8232-3
Bertha D. Frick, Livermore	8232-4
James J. Isham, Livermore	8225-2
Richard T. Meyer, Albany	5150
George Yanes, Jr., Livermore	8232-1
Illinois	
John D. Applegate, Evanston	1225
Walter H. Mandelco, Chicago	5132
William L. Jackson, Chicago	1614
Edward J. Buksa, Chicago	1615
Missouri	
John M. Stomp, Jr., Kansas City	1612
John F. Schimke, Kansas City	5523
New Mexico	
Mary L. Hauer, Roswell	3126
Pennsylvania	
Donald E. Hoke, Harrisburg	4412
Texas	
Gilbert B. Esquibel, Fort Worth	8122-1
Earl R. Wangerin, El Paso	4112
Washington	
Paul A. Lux, Seattle	8122-2
* Denotes rehired	
Returned from Leave (Albuquerque)	
Evelyn Quigley	3121
Iva L. Dubuque	5125
Merlin D. Hansen	5521

LUMINARIAS were the theme of Christmas decorations at Sandia Corporation this year with both Livermore Laboratory and Sandia Laboratory using the traditional lights for administration building illumination.

Lynn Castle Leads WE Conference In New York City

A day-long seminar during Western Electric's second annual Leader Training Conference was led by Lynn E. Castle, supervisor of Sandia's Technical and Trades Training Division.

The seminar, on Jan. 5, was on Technical and Vocational Training and included sharing experiences, discussing training plans and exchanging problems.

The conference started last Monday and will continue through Jan. 15. It is held at Western Electric Headquarters Training Center in New York City and attracts training leaders from throughout the Western Electric System for various courses, seminars, lectures and panel discussions.

New Projection Machine Ready For Noon Movies

A new 16mm projector and a 14 ft. by 11 ft. automatic screen are being installed in the Sandia Base Little Theater for Sandia Laboratory's noon hour movies.

The new equipment was purchased by Services and Benefits Division 3122 to provide better showings for employees. The movies will be projected from the booth to the stage instead of onto a 5 ft. by 7 ft. screen in the middle of the theater. There is also heat in the building now.

Movies which have been ordered for the near future include several which were first runs in downtown Albuquerque only a few months ago.

Some of the selections are "Imitation of Life," "Written on the Wind," "Never Steal Anything Small," "The Benny Goodman Story," "Raw Wind of Eden," and "This Earth is Mine."

Federal Social Security Deductions Increased By One-Half Percent

Effective Jan. 1 pay slips reflect another increase in the Federal Social Security tax rate.

In accordance with progressive increases provided by the Social Security law, as amended in 1958 by Congress, deductions from employee earnings were increased in 1960 to three per cent on a maximum of \$4,800 of annual income—or a maximum tax of \$144 per year. During 1959 the Social Security tax was 2½ per cent.

For every dollar an employee pays into Social Security, Sandia Corporation is required by law to pay the Government a like amount.

The next increase of one-half per cent is slated for 1963.

Livermore Basketball Team Announced By Coach Ferrario

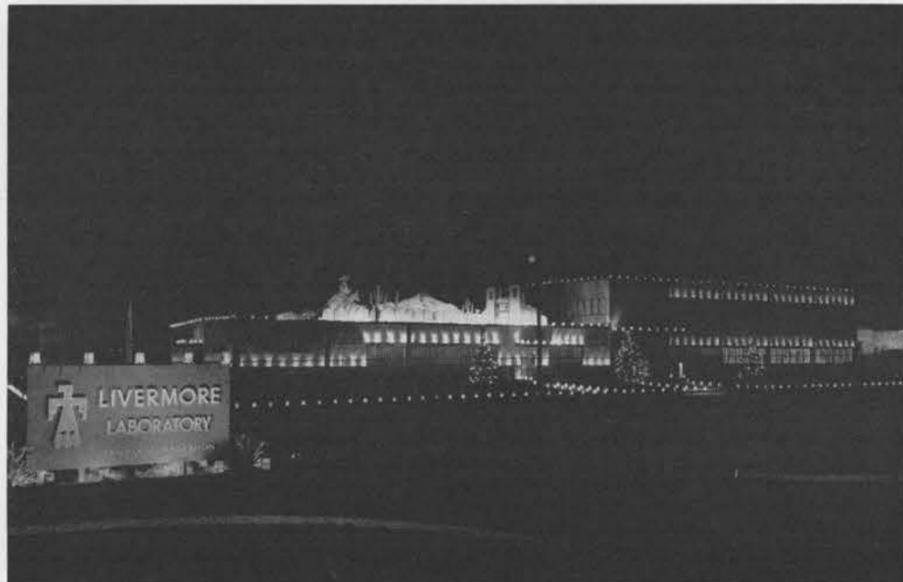
Players on Livermore Laboratory's Employees Basketball Team have been announced by Coach Mike Ferrario (8114-1).

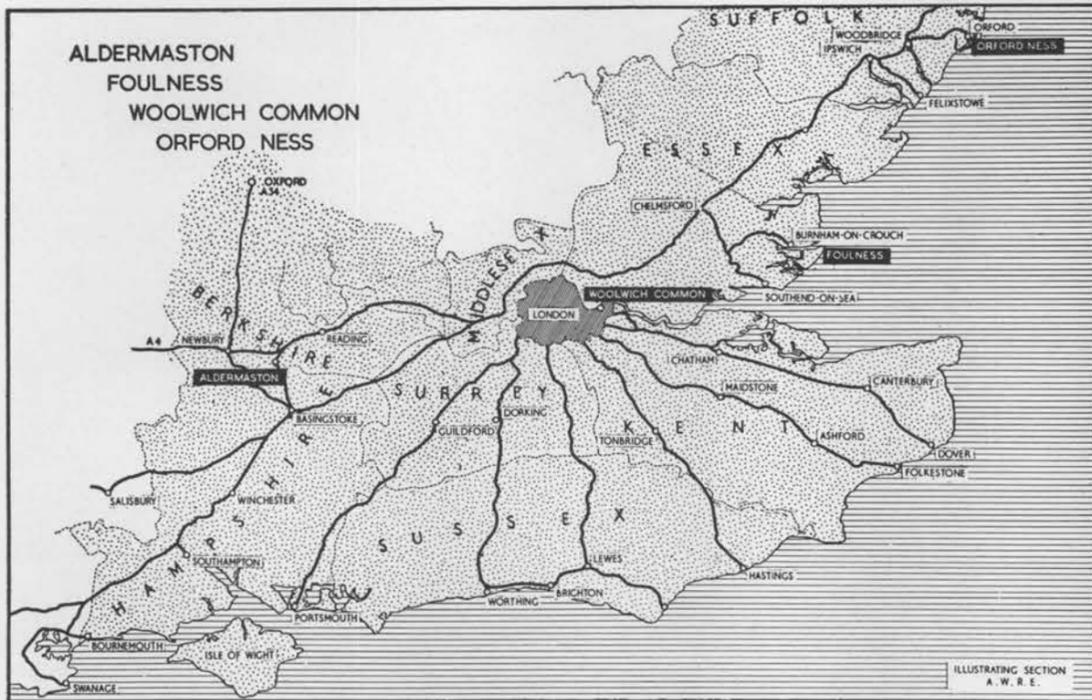
They are: Dave Rierson (8114-1), Jack Simpson (8114-1), Hanloy Quock (8114-2), and Ed Daugs (8141-1), guards. Jim Van Meter (8114-4) and Jim Blanchard (8123-2), centers. Van Scott (8114-1), Bob Keller (8114-1), Ron Puckett (8114-3), and Warren Zechmeister (8114-1), forwards.

Practice Climb Planned By N. M. Mountain Club

A practice rock climb for both beginners and advanced climbers is the only New Mexico Mountain Club trip scheduled for the coming two weeks.

The practice session will be held Sunday, Jan. 10, and tests will be given for those attempting to fulfill club qualification requirements. The trip starts from Nob Hill at 8 a.m.





HEADQUARTERS for AWRE is at Aldermaston. A trial ground and a center for research on the performance of conventional explosives is at Foulness, Essex. At Woolrich Common are several electronic workshops concerned with light engineering. At Orford Ness, Suffolk, telecommunications and radar techniques of an advanced nature are employed. This map shows location of laboratories.

AWRE Serves United Kingdom As Sandia Serves United States

The United Kingdom's Atomic Weapons Research Establishment was visited by the editor of the Lab News recently. AWRE bears a striking resemblance to Sandia and Livermore Laboratories despite the fact that it is located in England. The Laboratory buildings, the people in the buildings and the things they talk about are a strong reminder of Sandia Corporation and its two laboratories.—The Editor.

Some 5,000 miles to the east of Albuquerque lies the British counterpart of Sandia Corporation, the United Kingdom Atomic Energy Authority's Atomic Weapons Research Establishment, Aldermaston, Berkshire County, England.

Aldermaston, 11 miles from Reading, which is a 45-minute train ride west and south of London, has as its director Dr. N. Levin, successor to Sir William Penney, a former staff member of Los Alamos Scientific Laboratory. At Aldermaston are large workshops and laboratories for research on radioactive materials. Here, too, is the electronic computer with its complex array of punched card machines and high voltage particle generators. Here the United Kingdom has applied a diversity of skills, techniques and research "expertised" to encourage and exploit new ideas in the unlimited fields of atomic possibility. AWRE is "alive to the possibilities of a new scientific and technical era, while fulfilling its essential task for the security of the country."

There are similarities between AWRE and Sandia Corporation. There are fences, guards (some are accompanied by formidable looking dogs), badges, access areas and clearances. Laboratory buildings are attractive and they are occupied by a highly skilled staff.

Development Steps

AWRE, like Sandia, did not come into being with the stroke of a pen. It was a long chain of events, accelerated by World War II, which resulted in the magnificent laboratories at Aldermaston. The AWRE booklet, *Scientific Research at Aldermaston*, tells of these steps leading up to the present-day installation:

"When the British Government decided to initiate an atomic weapon programme in the United Kingdom, full knowledge of the basic data and of the technical methods involved was available only to the government of the United States. A programme of research and development was

therefore needed in this country, covering a wide range of sciences. Dr. (now Sir William) Penney, a mathematical physicist of international repute who had worked in the laboratories at Los Alamos, was chosen as its director and the Armament Research Establishment of the Ministry of Supply was chosen as the scene of the work.

"This Establishment, founded some 40 years before in a small corner of the Royal Arsenal to advise the War Office on explosives, had greatly expanded and had developed other branches dealing with metallurgy, radiology, ballistics and the theoretical problems encountered in these fields. Its staff, therefore, included scientists with training and experience of many kinds and, in addition to laboratories and equipment at Woolwich, Fort Halstead and other places, it had facilities for testing high explosive components at Shoeburyness.

Originally Armament Research

"The High Explosive Research group was built up within the Armament Research Establishment and continued there until 1950 when it became a separate establishment in the Ministry of Supply. Meanwhile, in 1949, it had been decided that all the work on atomic weapons should be brought together at one site, for which the former airfield at Aldermaston was chosen. Construction began in April 1950, and in March 1951, the first of its specialized buildings was occupied. The large area of the site and the opportunity of planning every building from the start have allowed laboratories and supporting services to be developed and equipped on a scale commensurate with the size and importance of the work. In addition, a large explosives testing ground has been developed at Foulness, close to the former site at Shoeburyness.

"After the successful trial in the Monte Bello Islands in October 1952, H.E.R. emerged as the Atomic Weapons Research Establishment with Aldermaston as its headquarters. Together with its two partners, the Atomic Energy Research Establishment at Harwell and the Industrial Group centered at Risley, it was transferred in January 1954 to the new Department of Atomic Energy, now the United Kingdom Atomic Energy Authority."

The Atomic Weapons Research Establishment today is an impressive array of pleasant buildings

which house magnificent laboratories of the most modern type. And here are gathered some of the finest scientific and engineering brains of the United Kingdom.

The booklet *Employment in Atomic Energy Weapons Groups* describes types of work which might be encountered by AWRE staff.

"For the nuclear physicist there is much basic research to be carried out with the assistance of particle accelerators, including the 6 MeV Van de Graaff . . . a 12 MeV Van de Graaff . . . a low powered experimental reactor . . . a 5 MW research reactor now under construction.

"Other physicists are engaged in the development of advanced types of electronic instrumentation and on ultra high speed cameras.

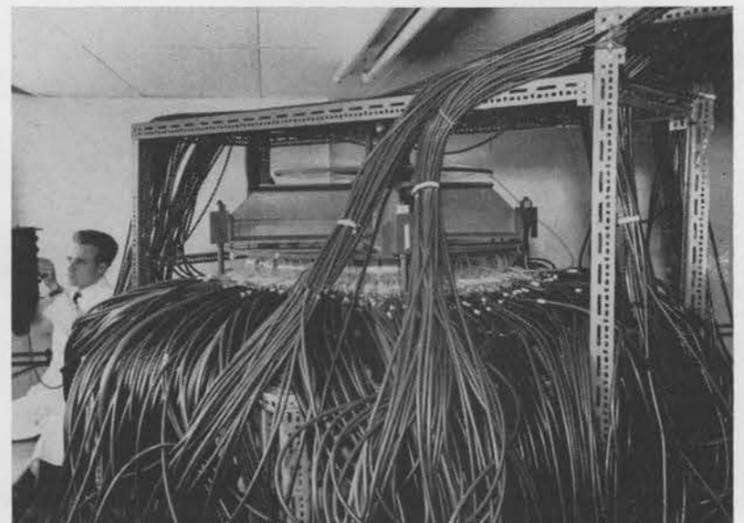
"The metallurgist investigates the properties of the isotopes of uranium and plutonium and other unusual metals; the chemist is concerned with the new field of radio-chemistry and with the more conventional chemical and physio-chemical problems.

"The outcome of the scientists' investigations may result in a formula or in some extremely complex and sometimes apparently impracticable suggestion; the job

(Continued on Page Five)



THREE BEDROOM HOUSES, above, are rented to members of the AWRE staff by United Kingdom Atomic Energy Authority.



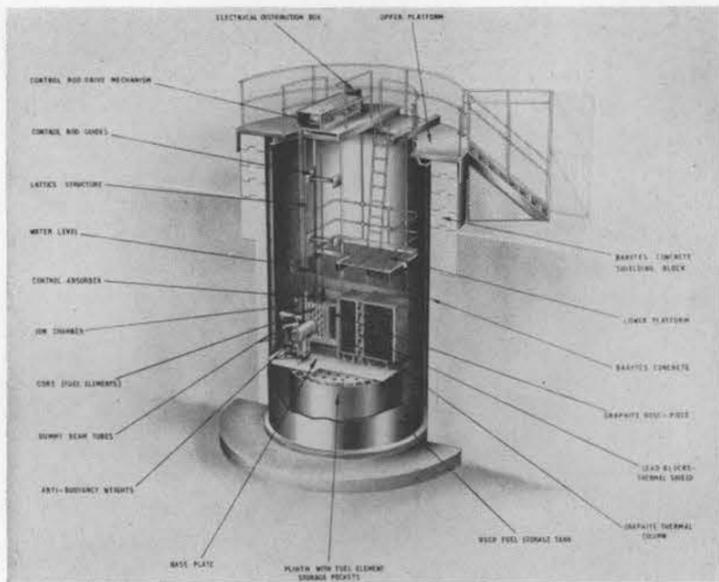
TRIGGER Pulse Generator and High Pressure Master Gap used by AWRE staff is located at Laboratory headquarters, Aldermaston.



AWRE has a large library of scientific, engineering and technical works. Internal reports are produced by a reproduction unit.



TRIALS of atomic weapons for AWRE were held on Monte Bello Islands, northwest of the Australian mainland and at a site known as "Emu" in the Australian bush 300 miles northwest of Woomera. Pictured here is the Health Control Station at the Emu Site. This location is far from civilization.



RESEARCH REACTOR zero energy experimental "Horace" is a low-powered experimental reactor at AWRE, designed to investigate the future operation and use of a 5 MW research reactor. It is also used to train physicists and engineers who are to be responsible for operation and maintenance of the new reactor.



AWRE SCIENTISTS make use of this six million volt Van de Graaff electrostatic generator.



BLACKNEST HOSTEL at Aldermaston is one of the living accommodations for unmarried staff members of the research team.

Continued from Page Four

AWRE Serves UK . . .

of translating these into reality provides the engineer with many fascinating opportunities.

"In the first place the engineer provides a service to the scientist by planning his buildings . . . Another function of the engineer is the design, machining and assembly of radioactive components. Considerable quantities of radioactive materials of all types are handled at Aldermaston; her automation, so constantly under discussion, is in fact developed and applied to the fullest possible extent.

"The weapons group is concerned with the whole range of engineering and with many interesting and novel excursions into the unknown. Servo-mechanisms; electrical and electronic devices and instruments, including types for ultra high speed transient measurements; machining unusual materials to exceptionally fine limits of accuracy; plastics; plating — these represent only a section of the extensive field."

Big Housing Program

The Aldermaston establishment is situated some distance from large centers of population. This has made necessary a big housing program and several hundred homes have been built for married staff in Reading, Basingstoke and Newbury, as well as near the site, with rents ranging from 22 shillings to 61 shillings per week (\$3.08 to \$8.54). Hostel accommodation is available for single people.

On the site is an up-to-date and fully licensed canteen. A large and flourishing Recreational Society caters to all tastes. Facilities are available for football, cricket, hockey, tennis and

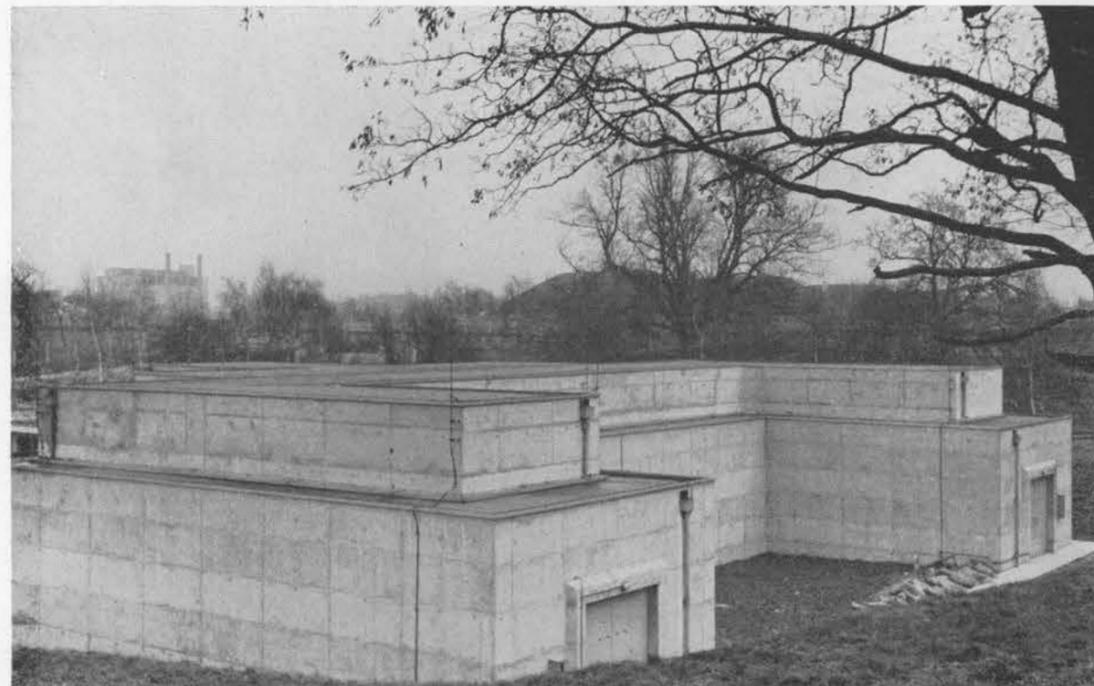
squash. A dozen or more small clubs within the Recreational Society cater to such diverse interests as dramatics, rough shooting, photography and bridge.

The beautiful, green rolling country in which Aldermaston is located is in contrast to the desert area of Albuquerque. History abounds in the area. To build a road from one section of the Establishment to another it was necessary to cut through an old earthen embankment which dates back to about 500 A.D.

In the midst of this beautiful, but ancient, countryside stands the Atomic Weapons Research Establishment. Sir William Penney, Member for Research, writes:



MORE THAN 3,000 meals are served each noon in the restaurant at AWRE. Both cafeteria-style and table service are available.



BOMB CHAMBERS are special rooms in which up to 10 pounds of high explosives can be detonated. High speed cameras are used to photograph the whole explosion or parts of the explosion.



IBM 709 at Aldermaston is operated 24 hours a day, six days a week. AWRE points out that to produce results at the same speed with electric desk comptometers would occupy the full time efforts of the entire population of Birmingham at prohibitive cost.

SAO Recognizes Organizations' 500 Days Without Infractions

The AEC Sandia Area Office has recently adopted the practice of awarding Security Achievement Certificates periodically in addition to a plaque to the Branch or Branches having the least number of security infractions.

The plaque is awarded on a yearly basis. The certificates recognize at least 500 days a Branch has operated without an infraction.

The Security Branch completed

500 days without an infraction as of Aug. 14, 1958, and the Acceptance Inspection Branch worked a similar period without an infraction, as of Nov. 9, 1958.

Charles C. Campbell, Manager, Sandia Area Office, in making the initial awards noted, "The first 500 days are the toughest. I am looking forward to making similar presentations at the 1000 day mark."



FIRST SECURITY ACHIEVEMENT CERTIFICATES awarded within the AEC's Sandia Area Office are presented Andrew A. Walker, Chief, Security Branch, (left) and Terrance B. Miller, Chief, Acceptance Inspection Branch, (right) by Charles C. Campbell, Sandia Area Office manager, at recent ceremony.

Gay Little Devil Enjoys Observing Discourtesy, Violation in Parking

Most any casual inspection of Sandia Laboratory parking areas will reveal several examples of violations of parking regulations and discourtesies such as the ones shown in the accompanying photographs.

The gay little devil enjoying the situation is a personification of that human flaw of personality, carelessness. We call him IMProper Parking and he dwells in the Sandia parking lots.

Parking regulations are made with the sole intent of promoting safety. Politeness in the parking lots benefits all drivers.



"Whee . . . This guy will get a citation for sure . . ."



"Wham! Here's another repair bill . . ."



"Trapped. Here's a tight squeeze for anybody."



"Aha, Illegal Parking brings a ticket every time . . ."

Final ECP Figures Show Total Of \$122,000 Raised in Drive

Average Gift of \$20.75 Sets New Contribution Record

Final tabulations show that a record total of \$122,000 has been contributed by Sandia Laboratory employees to the 32 local charity, youth guidance, and health-service agencies participating in the Sandia Laboratory Employees Contribution Plan. Average gift of contributors to the 1959-60 campaign is \$20.75, highest recorded in the fund-raising history of Sandia Corporation.

Last year, gifts and pledges by employees totaled nearly \$113,000 at the end of the drive but the figure was reduced to \$111,668 by the end of the 12-month period because of cancelled pledges and terminations.

This year, in addition to its share of the Employees Contribution Plan, the local United Fund received a \$9000 contribution from Sandia Corporation.

Comparative statistics of the 1959-60 ECP drive, broken down by general organizations, are given in the accompanying chart. Due to the many organizational changes during the past year, the Committee felt that it was impractical to try to show a comparison of results by organization with previous years.

Other results of this year's drive include (with figures for last year in parentheses): 88% (90%) of those contacted contributed, with the average gift being \$20.75 (\$19.16); 70% (64%) chose payroll deductions to make their year

'round donations while another 5% (11%) qualified for membership in ECP by contributing \$12 or more in cash.

Commenting on the drive results, Committee Chairman D. S. Tarbox (4540) said, Sandia contributors can certainly take pride in the fine way they are helping to fulfill their community obligations. I only hope that all em-

ployees can sometime have the opportunity of visiting one or more of these agencies so they can see for themselves why their help is needed, how it is used, and how much it is appreciated."

Anyone wishing assistance in arranging a visit to any of the agencies participating in ECP may call the Public Relations Division, ext. 44264.

1959-60 ECP Campaign Statistics

Organization	Contacted	Gave	% Participation	Average Participant Gift
*Special Roll	30	30	100	\$139.70
1200	369	330	89.4	25.43
1300	150	139	92.7	25.10
1400	221	194	87.8	23.79
1500	165	145	87.9	23.40
1600	409	354	86.5	21.13
2200	347	298	85.9	12.15
2500	360	327	90.8	26.51
2600	57	52	91.2	25.50
2700	286	248	86.7	15.87
3100	515	416	80.8	19.23
3200	191	168	88.0	17.31
3300	47	40	85.1	19.60
3400	666	602	90.4	17.60
4100	289	267	92.4	18.37
4200	516	423	82.0	13.77
4300	154	137	89.0	19.30
4400	386	331	85.7	18.67
4500	566	495	87.5	12.53
5100	228	204	89.5	28.43
5200	397	352	88.7	23.85
5300	112	99	88.4	28.24
5500	242	215	88.8	25.69
6000	24	23	95.8	21.45
	6,727	5,889	87.5	\$20.75

*Top executives and Bell System transferees.

Non-Credit Classes At UNM of Interest To Sandia Employees

Several evening non-credit classes will be offered by the University of New Mexico Community College during the second semester which may be of interest to Sandians.

Included are: Acetylene Welding, Arc Welding, Business Correspondence, Blueprint Reading, Plane Geometry, Shorthand Dictation, Beginning and Intermediate Typing, Statistical Quality Control (Sample Inspection), Electricity and Electronics, Mechanical Drawing and Technical Writing.

The course in Statistical Quality Control will be taught by G. J. Lombardi of Sandia's Quality Assurance Procedures Division.



RETIRED recently from government service was James C. Hobart, Chief of the Organization and Management Branch, ALO. Mr. Hobart had held this position since the year 1947.

Light Opera

January will be "Merry Widow" month for patrons of the Albuquerque Light Opera Workshop. The popular Franz Lehar operetta will be presented Jan. 8-10, 13-17, and 20 through 24. Reservations must be made in advance at the box office.

Text of President's Statement on Nuclear Testing Released by AEC

Following is the complete text of President Eisenhower's announcement concerning nuclear testing by the United States:

"The negotiations with respect to the cessation of nuclear testing have now been in progress for 14 months. While now recessed, they will soon be resumed.

"No satisfactory agreement is yet in sight. The prospects for such an agreement have been injured by the recent unwillingness on the part of the politically guided Soviet experts to give serious scientific consideration to the effectiveness of seismic techniques for the detection of underground nuclear explosions.

"Indeed, the atmosphere of the talks has been clouded by the intemperate and technically unsupported Soviet annex to the report of the technical experts. The dis-

tinguished American group of scientists who compose the United States delegation will make public from the verbatim records of the conference the facts which will completely refute this Soviet document.

"We will resume negotiations in a continuing spirit of seeking to reach a safe-guarded agreement. In the meantime, the voluntary moratorium on testing will expire on December 31. Although we consider ourselves free to resume nuclear weapons testing, we shall not resume nuclear weapons tests without announcing our intention in advance of any resumption.

"During the period of voluntary suspension of nuclear weapons tests, the United States will continue its active program of weapon research, development and laboratory-type experimentation."

Sid Merriam Uses 'Magic' of Hydroponics To Produce Flourishing Garden Without Soil

If you told someone you were growing flowers without soil in a greenhouse without glass, they probably wouldn't believe you. But when Sidney Merriam (3441) says he can grow plants by

tying them on a string and letting them dangle, he means it. As Sid explains it, "By using only chemicals, you can make anything grow." Actually he does have his plants in pumice, but

even this is not necessary. "It's too much trouble to use string," he said.

He has delved into this strange hobby of his, called hydroponics or soilless gardening, for about eight years. "The idea of growing plants without any soil had a certain 'magic' element about it, and this interested me," Sid pointed out.

"It's no half-hearted effort," Sid says. "I have taken a special course in chemistry at the University of New Mexico, read voluminously on the subject and correspond with all universities conducting experiments on this."

His "garden" is in a 20 ft. wide by 72 ft. long greenhouse in his backyard in the northwest valley. Even the greenhouse is different. A plastic covering is used instead of glass.

"The only difficulty with plastic is that it disintegrates in hot weather," Sid said. "I re-cover the greenhouse each fall."

Each plant has a special chemical formula. Periodically Sidney makes a chemical analysis and replaces the necessary minerals. All of his equipment is automatic so that plants can be watered correctly without his being there.

This formula is good for lawns too, Sid pointed out. "I can make an analysis of the soil and determine what minerals are lacking."

Sid is thinking of turning his hobby into a commercial venture. With his special ability and greenhouse he could place fresh vegetables on the market during winter months.

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



START OF soilless garden in pumice shows healthy looking seedlings. They are fed entirely by chemical formulas. An analysis of each solution is taken regularly and needed chemicals replaced.



IN FULL BLOOM Sid Merriam's (3441) garden displays lush growth. Here he stands by some of his zinnias which grew as high as six feet. Sid's garden gives evidence of his green thumb.

Sandia Service Awards

10 Years



Ronald E. George
4513
Jan. 10, 1950



Jerome F. Durrie
1283
Jan. 16, 1950



John P. Cavanaugh
4135
Jan. 12, 1950



Jose M. Sanchez
4574
Jan. 19, 1950



Nancy M. Sanchez
3466
Jan. 21, 1950

W. L. Miller Teaching Non-Credit Class In Home Wiring

A University of New Mexico non-credit class in Residential Wiring Modernization will be taught by Wilber L. Miller, supervisor of Trades Training and Education Section, starting Jan. 21.

The non-credit course, of interest primarily to electrical contractors, will be co-sponsored by the University of New Mexico and the Public Service Co. of New Mexico.

Mr. Miller is a graduate engineer from Washington State College. He had 11 years experience as an electrician and had been an electrical engineer with U. S. Air Force construction installations in Alaska for four years before coming to work at Sandia in 1953 as an electrical engineer.

Further information about the course may be obtained from M. H. McMichael at the University.

Five Years

Jan. 9-22

John D. Coleman 1541, Frank D. Alexander 2732, Alexander G. Beck 4411, Charles E. Champe 4543, Ralph L. Holloway 1311, George O. Hawley 5513, Robert E. McDermott 2722, Edward Sehn 4581, Myron S. Pilat 2713, William M. Bray 5313, Fred I. Magee 5313, Willard R. Randall 2242, Orlan A. King 4582, Harold A. Becker 8163, Albert A. Schnedler 5332, Charles J. Puglisi 3154, Edsel L. Gunn 2251, George W. Cosden 2713, Robert A. Erickson 1331, Billy M. Ray 5222, Victor E. Dailey 4254.

Machinists Local To Install New Officers Jan. 16

Members of Local 1689, International Association of Machinists, will install new officers at their 10th annual dinner dance to be held at the Coronado Club Jan. 16.

The occasion will also mark the 10th anniversary of the local's charter. The machinists are inviting all of the group's 37 charter members and their wives to be guests of honor.

Invitations to speak have been sent to the Governor of New Mexico, Roy C. Brown, vice president of the International Association of Machinists, and to all of the Congressional delegates from New Mexico.

The incoming officers are: Lawrence Bowen (4254), re-elected president; Lewis Carl (4254), vice president; Archie Fisher (4252), financial secretary; Walter Mooney (4254), recording secretary; Floyd Shaw (4232), treasurer; Edward Peterson (4254), trustee; Ed Zachiewicz (4221), conductor, and Lorenzo Garcia, (4212), sentinel.

'Discovery Unlimited' Tells Story of New Knowledge Gained During IGY

Next week's booklet rack offering for Sandia Corporation employees will be "Discovery Unlimited," the story of the earth and sky as revealed during the International Geophysical Year.

The IGY was the greatest scientific study of earth, sea and sky in the history of the world.

During its 18 months scientists learned that the earth is girdled by two bands of radiation that may prove stumbling blocks to manned space travel; they found vast mineral treasures at the bot-

tom of the sea; they charted new-found ocean currents and discovered great new trenches and mountain ranges on the ocean floor.

These and other discoveries which may affect the future of our planet are revealed in this booklet. You will enjoy this reading.

Future booklets will bear these titles: How Uncle Sam Spends Your Money, The Story of Checks, Employees Income Tax Guide, 1960 Social Security Benefits and The Space Age.

Sandia's Safety Record

Sandia Laboratory Has Worked 6,150,000 Man Hours Without a Disabling Injury

Livermore Laboratory Has Worked 2,543,000 Man Hours Without a Disabling Injury

SHOPPING CENTER

CLASSIFIED ADVERTISING
Deadline: Friday noon prior to week of publication unless changed by holiday.
RULES
1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please
7. Include name and organization.

FOR SALE
'56 AUSTIN-HEALY, Le Mans model, \$1800. Suttman, AX 9-6754.
SYLVANIA TV, 21 in., w/halo light, blonde hardwood table model, w/wrought stand, 1 mo. old picture tube, complete overhaul, \$150. Brooks, AL 5-9343.
ACCORDION, Rondini, 120 bass, organ tone, gold metallic, including case & stand, \$125. Tischhauser, AM 8-7930.
'55 FORD, 2-dr., R&H, st. stick, 300 miles \$600 cash or any offer over \$500 considered. Scott, AX 9-3412, 9808 Aspen Ct. NE.
AIR CONDITIONER, 3/4 ton casement type refrig., \$75; 30 in. Frigidaire electric range, \$100. Conklin, AX 9-3787 after 5 p.m.
'59 PLYMOUTH, Belv. 4-dr., R&H, Torque-Flite transmission, V-8, under coating & many extras. Gholson, AX 9-2663 evenings.
'59 CAMPING TRAILER, 15 ft., Mercury deluxe, sleeps 5, Butane stove-oven, \$135 for equity, assume approx. \$851 loan. Skender, CH 7-4555.

HALLICRAFTERS SX-100 receiver, \$190. Craig, AM 8-1215.
POOL TABLE, 3'4" x 7 ft. over-all, \$65; Bendix washer, \$55; microscope, 3 lens, \$8. Brown, AL 5-0566 after 5:30 p.m.
PORTABLE TYPEWRITER, Remington-Rand silent writer, \$30. Jones, AL 6-9078 after 4 p.m.
2 BRM HOME, carpeted, AC, CH, sprinklers front and back, \$2000 down to new 5 1/4% loan; 231 Jefferson NE. Miller, AL 6-4224.
FORMALS, one pink ballerina length, size 9, \$8; one white floor length, size 10, \$15. Kirtley, AL 6-0637 after 6 p.m.
SPINET PIANO, \$395. Libby, AX 9-0344.
WESTINGHOUSE WASHER, 10 lb. load, make offer. Drake, AX 9-8468, 3708 Andrews NE.
'50 FORD CONVERTIBLE, R&H, rebuilt engine, good tires, \$150; Cushman motor scooter w/windshield, rebuilt engine, \$120. Shreve, DI 4-7146.
BOXER female, AKC, 7 months, has shots & ears cropped. Simmons, AX 9-3823.
SOFA, ranch type, unfolds to make bed, \$10; playpen, folding, \$12; carbed, folds into car seat, \$3. Joseph, AX 9-6989.
3 BRM HOME, kitchen built-ins, AC, patio, walled, landscaped, immediate possession, \$15,950, 4 1/2% GI loan. Lightwine, AX 9-4585.
WOLLENSAK, two speed tape recorder w/hi-fi speaker & attachments, 1 yr. old, cost \$280, will sell for \$125. Bartolucci, AX 9-9072.
'50 PONTIAC, R&H, new brakes & battery, \$275. Kane, AL 5-2240.
SKIS, Dorre Kobel, 6 ft. 6 in., and poles, \$25. Whitcomb, AL 6-0577.
STORKLINE CRIB & mattress; maple dinnette set, drop leaf table & 2 chairs. Cottingham, AX 9-2295.
ROLL-AWAY BED, \$20 or best offer. Bode, ext. 4-2176.
GREEN DAVENPORT & chair, \$60. Click, AL 5-6394, 5827 Aspen Ave. NE.

NEXT DEADLINE FOR SHOPPING CENTER ADS Friday Noon, Jan. 15

3 BRM HOME, den, 1 3/4 baths, LR, garage, AC, patio, lawn & sprinklers, \$15,800; 10411 Towner NE. Teta, AX 9-6155.
2-PIECE SECTIONAL, 1 yr. old, coral frieze color, modernistic but large & heavy, \$100. Frankel, AM 8-0100.
SHOTGUNS — Newport 410, \$7; Iver Johnson 16 ga., \$12; 30-06 Enfield Sporter, Lyman mic. sights, \$45; GE rotary ironer, \$75. Larsen, AL 5-6407.
WASHER, Holpoint automatic, \$40. Rarrick, AX 9-9371, 3428 Parsifal NE.
'56 CADILLAC Sedan, white with AC. Will trade or sell outright, \$2275. Branson, AX 9-1360, 9706 Apache NE.
VENETIAN BLINDS, white; 2 size 52 x 48 in., \$7 ea; 4 size 72 x 48 in., \$10 ea. Flanagan, AX 9-4268.
'42 CHEVY PICK-UP, needs work, will run, make offer over \$50. Lopez, AX 9-0941.
'56 HARLEY DAVIDSON "165," recon'd, fully overhauled, new battery, saddlebags & buddy seat, \$250. Gonzales, CH 2-4012 after 4 p.m.
VACUUM CLEANER, RCA MR-XII, retail \$130, 8 mos. remaining on guarantee, \$80. Shock, CH 3-8068, Box 341, Route 6.
VACUUM CLEANER, Kirby, all attachments including floor polisher, \$25. Fox, AL 6-2606.
'58 RAMBLER, custom 4-dr. sedan, \$100 less than "Book." Creveling, CH 2-3790.
BUNK BEDS, metal with coil springs and mattresses, \$30 or make offer. Weibell, AM 8-5986.

METAL THREAD cutting lathe, 6 in. swing, 4-jaw chuck, Jacobs chuck, tools, motor, storage case, \$75. Shew, AL 5-0263.
3 BRM HOME, near Sandia High, 2 baths, carpeted, patio, landscaped, attached garage, walled, utility area. Padilla, AX 9-4043.
2 BRM HOUSE TRAILER, American, completely furnished; terms. Chevalier, AX 9-2716.
YOUTH BED w/Kant Wet mattress, \$40. McCullar, AX 9-0638.
GE IRON, \$3; GE steam iron, \$6; 8 1/2 x 12 ft. black and white tweed viscose rug w/pad, \$35. Goen, AL 6-6385.
DEEP FREEZE, Victor, 11 cu. ft., as is, \$125, bought new, used one season. Carson, Los Lunas, Townsend 5-9954.
'58 SAFEWAY TRAILER, 2 bedroom, colored appliances, \$800 for equity. Wade, AX 9-2050.
TRAIN TABLE, 5' x 9', sturdy with removable legs. Can be made into ping pong table. Field, 2837 Palomas NE, AL 5-6119.

WANTED
TRADE pistol for electric train. Pritchard, AL 5-6949, 1024 Jackson SE.
TRADE house trailer and assume reasonable payments for equity in home. Scott, AL 5-4306.
GERMAN LUGER or Mauser pistols and Nazi short swords, will pay cash. Smith, AX 9-1096, evenings.
DRILL PRESS, heavy duty, bench or floor type. Will pay cash or trade guns. Morgan, AL 6-9637.

FOR RENT
3 BRM HOME, landscaped, settled neighborhood, stove furnished, no short terms please, \$115 mo. Dieruf, AX 9-6526, 9904 Arvilla NE.

2 BRM HOME, den, sewing room, w/w carpeting, drapes, unfurnished; \$100, water bill paid, now available. Seaburn, 9009 Cottonwood NE, AX 9-1316 evenings.
3 BRM HOME, 1 1/2 baths, Hoffmantown, close to schools & shopping. Drake, AX 9-8468, 3708 Andrews NE.
2 BRM HOME, den, fireplace, patio, furnished including washer-dryer, freezer; available Jan. 18. \$135 mo., babies welcome. Daniel, AM 4-4898, evenings.
4 BRM HOME, 1 3/4 baths, stove, refrig., drapes, garbage disposal, walled, AC, attached garage, \$125 mo., available now. Burns, AM 8-1306 after 4:30 p.m.

LOST AND FOUND
LOST: White & gold Egyptian costume in dressing room at Coronado Club Dec. 12; yellow box w/extension cards at Coronado Club, Dec. 12; grey Air Force sun glasses; black rim glasses w/silver trim in red case; one penny copper coin; keys in green key case; 3 keys on family day chain; ladies white gold watch at 880 cafeteria; keys in brown case; keys on chain w/license No. 2-8086. Lost and Found ext. 26149.
FOUND: Brown wool neck scarf; brown hand knit scarf; ladies yellow glove; man's gold wedding band w/white gold center; black stretch glove near motor pool. Lost and Found, ext. 26149.

FOR SALE AT LIVERMORE
'50 AUSTIN sedan, \$175. Murar, VE 7-6633.
GAS STOVE, Armaid, \$50. French, HI 7-3826.
WASHER, Norge automatic, five years old, needs new hoses, \$60. Janssen, HI 7-5235.

What Appeals to You About Living in Livermore Area

Supervisory Appointments

ELMER L. DEVOR to supervisor of Quality Specification and Data Coordination Section 2561-2, Quality Control Division.



During his year at Sandia, Elmer had been working in the Quality Control Engineering Section.

He came to Albuquerque from Decatur, Ill., where he was a supervisor of quality control and inspection for General Electric. During more than eight years with GE he was also at their plants in Ohio and Massachusetts.

Previously he worked a similar period for U.S. Rubber Co. as an industrial engineer in the firm's engineering department in New York City.

Elmer was with Western Electric's Kearny Works a short period and was an assistant professor of industrial engineering at Syracuse University for two years.

He holds a Bachelor's degree in industrial engineering from Pennsylvania State University and is a member of Tau Beta Pi, engineering honorary, Pi Mu Epsilon, mathematics honorary, the Society of Plastics Engineers, the Society for Advancement of Management and the American Society for Quality Control.

C. D. LUNDERGAN to supervisor of Section 1261-2, Systems Engineering Division.



Don has worked in the same organization since he came to Sandia in July 1956. Previously he taught mathematics and physics at Texas A&M for two years.

Prior to that Don was acting director of the Department of Aeronautical Engineering for two years at St. Louis University.

Don received his Bachelor's degree in mechanical engineering and his Master's degree in physics from the University of Notre Dame, where he remained for three years as a teaching fellow. He has completed part of his studies for a Doctor's degree.

During World War II Don served in the Navy, including one year overseas.

He is a member of Pi Mu Epsilon, mathematics honorary.

MARY R. STRICKLAND to supervisor of the newly-created Secretarial Services Section II, 8212-5, Livermore Laboratory.



An employee of Sandia Corporation since 1952, Mary transferred to Livermore Laboratory in 1957 as a senior clerk in the typing pool, a position she held in Albuquerque. At the time of her promotion she was an employment interviewer in the Personnel Division (8212).

Before joining Sandia Mary worked for Blue Cross in Albuquerque for one and one-half years. Earlier she worked for newspapers in Tucumcari, N. M., as a reporter. She attended Texas State College for Women in Denton, Texas.



ALYCE LOVELESS (8114-3) — Livermore schools have much to offer. My youngsters attend special evening classes where they are taught French and electronics. Conversational Russian and German are also offered to children between the ages of 9-14.



BESS ROACH (8232-2) — Vacation opportunities appeal to me. Livermore is an ideal small town which is situated one hour from the ocean and three hours from the Sierra mountains. We love our new home and our neighbors. Although some food prices are slightly higher, fresh produce is cheaper and plentiful.



BILL GUNTRUM (8153-1) — Recreational facilities are outstanding. During the summer months the kids have more organized activities to occupy themselves than they do during school. Swimming, camping and arts and crafts are just a few activities offered by the Livermore Recreation District organization.



MIKE GREGORY (8115-2) — I enjoy living close to San Francisco and go over there every chance I get. I enjoy seeing good shows and visiting the many points of interest in the area.

At last count 216 former Albuquerqueans were on the rolls at Livermore Laboratory. Some have been in Livermore only a few weeks, others have been in California since the Laboratory was founded in 1956. About 75 per cent of them live in Livermore. To find out what they think of their new home the Lab News interviewed six transferees. Here is what they said:



MILDRED WHITTEN (8212-4) — It's the people I like the most. Because of the size of the Laboratory and the town, the personal touch seems to be the rule rather than the rare exception.



DEWEY L. COCHRAN (8121-2) — The weather appeals to me. In Livermore the temperature seldom goes below freezing and snow is unheard of. If you like variety, you can find snow and desert climates in a few hours.

Sandia Corporation In WE Magazine

A Sandia Corporation employee and Sandia Corporation history were recorded on the pages of the November-December WE Magazine.

The picture of military and civilian officials instrumental in the founding of the Corporation which appeared in the Sandia Lab News of Oct. 30 was reprinted.

WE Magazine also reported on the coast-to-coast journey of Maxine Metz (4332) as CBS girl reporter.

Frank P. Hovley Retires From Sandia

Frank P. Hovley of the Maintenance Trades Division 4581 at Salton Sea will retire Jan. 12.



A long time resident of Brawley, Calif., Mr. Hovley has been employed by Sandia Corporation since September 1956. He has worked

for Sandia as a janitor, utility man, and laborer.

He and his wife and two children live at 687 South Imperial, Brawley. The couple has three married children and two grandchildren.

After retirement Mr. Hovley plans to work on his home.

AEC Receives Bids For 175-Foot Tower To Be in Area III

J. A. Park Machinery Co., Pueblo, Colo., is apparent low bidder for the erection of Sandia's second drop test tower in Area III. The firm's bid, one of 10 submitted, was \$74,475. Bids were opened Dec. 30.

The project consists of erecting a Government-furnished 175 ft. vertical steel structure on concrete foundations, complete with working cable, hoisting cable, hoisting equipment, carriage bumper, and associated electrical work and site grading. Work is to be completed within 100 days after the contract receives notice to proceed.

The new tower will be located adjacent to the present 300 ft. Drop Test Facility in Area III.

Seek Construction Bids For Medical Facility In Sandia Area III

The Atomic Energy Commission has advised contractors that bids will be opened about Jan. 27 for construction of an addition to a building in Sandia Laboratory's Area III. The addition will be used as a medical station for employees working in the Area. The station will be equipped the same as other medical stations of the Corporation but in addition will have physiotherapy equipment.

The project will consist of an addition of approximately 700 square feet to office building 6501, an existing prefabricated steel structure.

Calendar Scientific and Technical Societies

Jan. 13
American Welding Society
La Posada, Santa Fe
Dinner: 7:30 p.m.
Joint meeting with Los Alamos Chapter of American Society for Metals
Speaker: Allan C. Levy, Manager, Materials and Fabrication, Hughes Tool Corp., Aircraft Division
Topic: "Welding Refractory Metals"
For more information contact Vince Nelson (1621), Ext. 32246

Jan. 16
American Institute of Industrial Engineers
Pancake House
Breakfast: 8 a.m.
Program: Plant Tour of Creamland Dairy starting at 9:30 a.m.
Families are welcome.
Reservations should be made by Jan. 12.
For more information call J. W. Sims (4111), Ext. 24156.

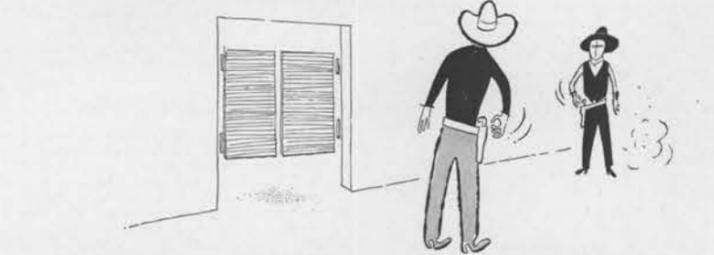
Jan. 20
Society of Technical Writers and Editors, Albuquerque Chapter
Coronado Club, La Cuna Room
Buffet Supper: 6:30 p.m. (husbands and wives)
Business meeting: 7:30 p.m.
Discussion of program and membership plans
For more information contact Jim Murray (4421) or Dick Jackson (4421), Ext. 39238.

Jan. 21
American Society for Metals
Silver Spur Restaurant
Social Hour: 6:15 p.m.
Dinner: 7 p.m.
Technical Meeting: 8 p.m.
Speaker: Robert S. Darnell, Asst. Mgr., Alloy Dept., Cerro de Pasco Sales Corp.
Topic: "Cerro Technics"
For more information contact H. R. Holmes (1621), Ext. 31258.

Joint Sponsorship
American Society for Quality Control
American Society of Tool Engineers
American Society of Mechanical Engineers
Albuquerque High School Auditorium
Two Presentations: 1:30 p.m. and 7:30 p.m.
Program: The Story of the Cutting Edge, a Million Year Record of Cutting Edges from Primitive to Modern, by the DoALL Company
For more information contact J. C. Gaskins, ASQC, CH 7-0361, Ext. 263; Doug Spence, ASTE, CH 7-0361, Ext. 457, and Art Clark (1232), ASME, Ext. 46131.

Jan. 22
Society of Photographic Instrumentation Engineers
Bldg. T-300, Sandia Base
Meeting: 7:30 p.m. (Open to public)
Program: Unclassified Missile Firing Film
For more information contact Lance Wilson (5216), Ext. 36137.

Lab Laughs



Release Schedule of Noon-Time Movies For Next Two Weeks

Sandia Laboratory's noon hour movie schedule for the coming two weeks is:

Jan. 11
"The Crowded Air" (Prudential's TV Series) (B&W)

Jan. 12-13
"Mystery Submarine" with MacDonald Carey and Marta Toren (B&W)

Jan. 14-15
"Red Sundown" with Martha Hyer and Rory Calhoun (color)

Jan. 18-19-20
"Kathy O" with Dan Duryea, Jan Sterling and Patty McCormick (color)

Jan. 21-22
"The Purple Mask" with Tony Curtis, Gene Barry, Colleen Miller (color)