

## Sandia Youngster Named Torchlight Child For 1958 Bernalillo Heart Fund Drive

Bernalillo County Heart Association has chosen a Sandia employee's youngster as its 1958 Torchlight Child, highlighting the month-long fund-raising drive.

The Torchlight girl is Mary Jane Flowers, nine-year-old daughter of Henry Flowers (2411-2).

Sandia Corporation employees are already donating approximately \$350 a month to the association through participation in the Employees Contribution Plan

drive, conducted last fall. The combined year-round payroll deduction plan benefited the 24 agencies included in the United Fund as well as seven national health agencies.

The Heart Association receives a 4.5 per cent of the total pledged or donated by participating Sandia employees. The percentages are based on amounts raised by these agencies in relationship to the total raised by all of them in recent Bernalillo County fund drives.

Doctors detected a heart mur-

mer when Mary Jane was three months old.

Last October Mary Jane was taken to Colorado General Hospital in Denver for surgery. By artificial cooling her body temperature was reduced to 86 degrees Fahrenheit to slow her circulation. Surgeons worked almost three hours to close two openings in the upper chambers of her heart.

Mary Jane was back in school within a month and her parents report she is steadily gaining strength.



HEART ASSOCIATION fund drive and Sandia employees' part in aiding the health agency are discussed here. (L to R) Dave S. Tarbox (2440) is chairman of committee appointed to administer to Sandia Employees Contribution Plan; Mary Jane Flowers is the 1958 Torchlight Child for Bernalillo County, and Henry Flowers (2411-2) whose daughter's life was changed by heart surgery.



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

VOL. 10, NO. 3

ALBUQUERQUE, NEW MEXICO

FEBRUARY 7, 1958

### Library Staff Members Meet At White Sands

Several members of the Sandia Technical Library staff are at White Sands Proving Grounds today for a meeting of the Rio Grande chapter of the Special Libraries Association.

"Bea" Allen, technical library supervisor, is vice president of the association and Charles Sargent and William Richardson (both 7223-3) are editor and assistant editor of the chapter *Bulletin*.

### Notice

The Sandia Conservancy District protest hearings for Sandia Corporation employees who are property owners and who are not represented by counsel will be held in Albuquerque, Feb. 11 and 12. Employees who have filed protests and who wish to appear should make arrangements with their supervisors for the necessary time off, which may be charged as vacation or leave without pay.

To minimize the lost time and to provide an orderly basis for hearing protests of property owners, it is recommended that alphabetical groupings be followed wherever possible, i.e., those whose last names begin with letters A through G should go Tuesday morning, H through M Tuesday afternoon, N through S Wednesday morning, T through Z Wednesday afternoon.

### U. S. Appealing Moving Expense Income Tax Case

The U. S. Government has appealed the recent court decision in favor of two Sandia Corporation employees who sued the government for return of federal income tax paid on moving and travel expenses.

The case will be reviewed by the 10th Circuit Court of Appeals in Denver March 11.

U. S. District Judge Carl A. Hatch ruled last June in favor of Sherrill O. Woodall (7412) and Glenn S. Mills (1441), who filed the suits as test cases representative of 700 other Sandia Corporation employees who were taxed for reimbursed moving and travel expenses. The expenses were incurred in connection with reporting for work here.

Nearly \$100,000 in taxes is believed involved for the 700 employees now working for Sandia and an additional 200 who are former employees of Sandia.

Judge Hatch ruled that Mills and Woodall realized no gain from the reimbursement and that it should not be treated as taxable income. Woodall, who was hired while living in Dallas, was seeking to recover \$119. Mills came to Sandia from the University of Kentucky and was seeking to recover \$114.

Any employee who is interested in joining the group originally formed to contest this reimbursement tax may do so by contacting Mr. Woodall, Gene Newlin (6010) or Harold Schulte (7411).

### Mechanical Engineers See Production Films

Two films on production processes will be shown Feb. 13 at the meeting of the Production Engineering Professional Division of the local chapter of the American Society of Mechanical Engineers.

The films, "How to Machine Aluminum" and "General Sheet Metal Practice," will be shown at 7:30 p.m. in Rm. 2, University of New Mexico Mechanical Engineering Building.

### Five Local Leaders Will Discuss Educational Needs Before Base PTA

A panel of five prominent Albuquerqueans will discuss "Educational Needs of Today" before the Sandia Base School PTA on Feb. 12 at 7:30 p.m.

According to PTA President A. F. Hurford (1451), the panel will discuss educational thinking and needs from various occupational viewpoints.

The panel will be moderated by Dr. C. R. Spain, Superintendent of Albuquerque Public Schools. Dr. James W. McRae, President of Sandia Corporation, will represent "Industry and Science"; T. L. Popejoy, President of the University of New Mexico, will present the college viewpoint.

The government and military will be represented by Maj. Gen. K. F. Hertford USA (Ret.), Manager of the AEC's Albuquerque Operations, and J. R. Modrall, Albuquerque attorney, president of Creamland dairies and chairman of the board of the Albuquerque

National Bank, will represent commerce and the legal profession.

There will be an open discussion period following the panel discussion. All interested parents are welcome to attend. Refreshments will be served.

### Patents Granted AEC For Sandia Inventions

Work done by two Sandia Corporation employees has resulted in a patent assigned to the Atomic Energy Commission in their names.

The inventors, Edward L. Amonette (6010) and George W. Rodgers (1456), were awarded patent number 2,818,726 for an automatic calibrating system for pressure transducers.

The device was invented in the course of their work at Sandia Corporation.

## 5735 Members Receive \$126,765 in Credit Union 5 1/4 Per Cent Dividend

Members of the Sandia Laboratory Federal Credit Union voted a 5 1/4 per cent dividend totaling \$126,765 at their annual January meeting. Other business included election of new members of the board of directors, credit committee and supervisory committees.

New board members are W. E. Prekker (6021) and J. J. Michnovicz (2462). Those re-elected were: R. J. Blount (4151), L. E. Lamkin (7300), J. T. Dempsey (6021-1), Gertrude M. Byrne (7225-3), D. S. Tarbox (2440), D. J. Hillard (4113-1) and R. W. Whitson (5521-1). Mr. Lamkin was chosen president, Mr. Dempsey will serve as clerk, Mr. Hillard will be vice president and Mr. Prekker, treasurer.

Re-elected to the Credit Committee was V. O. Henning (3151-2). New members are C. C. Hunt (4333) and R. P. Campbell (2741). H. C. Redding (4113-1) will be

on the Supervisory Committee in addition to J. H. Kelly (3122-1) and L. H. Best (4122), who were held over from 1957.

According to the credit union's annual report almost \$5 million in loans were made in 1957. Net profit for the year was \$167,839, an increase of 67 per cent over 1956. More than 80 per cent of all Sandia Corporation employees belong to the credit union.

### Daily News Reports On Women Scientists

A story on Dorris Hankins, employed as a physicist in the Model Studies Division (5112), appeared in the Jan. 16 issue of the *New York Daily News*. The article, one a series in the *News* on women in nuclear science, was based on a story in a recent issue of the *Sandia Lab News*.

## Nation's Colleges Aid Sandia In Broad Research Activities

Sandia Corporation is continually calling on the brains of top colleges and universities throughout the nation to perform basic and applied research from which will come better nuclear weapons.

Eight colleges and universities are currently under contract to Sandia on research programs totaling more than \$350,000.

The basic research programs are not primarily concerned with weapons. Rather they entail seeking fundamental knowledge of how and why things work. Better understanding of the nature of things helps engineers to design new and better products—in Sandia's case weapons systems and components.

Here in New Mexico, under contract to Sandia Corporation, the University of New Mexico and the New Mexico College of Agriculture and Mechanic Arts are engaged in research studies.

Three studies in progress at the University of New Mexico are research into the properties of radar terrain return, investigation of the pulse and D. C. ratings of alloy power transistors, and systematizing the input-output characteristics of standard "black box" circuits.

New Mexico A & M is working on data processing in radar terrain return studies.

Information on materials exposed to high stress is being generated by the University of Texas. The University of Illinois is working on research investigations on shock diffraction phenomena. Studies and reports are being furnished by the University of Michigan to determine the effects of unsteadiness of flow on the drag exerted on structures.

Stanford University is furnishing Sandia with consulting service on electronic countermea-



UNIVERSITY OF NEW MEXICO graduate students work on a Sandia research contract. The students (L to R) are: Leo C. F. Chao, Dick Jones, Wallace L. Anderson and C. T. Hu. Dick, formerly of 5112, is on leave of absence to obtain his doctorate.

asures. Brooklyn Polytechnical Institute is studying the basic characteristics of nickel-cadmium battery cells and separators.

At the University of Rochester investigations are being conducted to measure the absorption coefficient of cold helium and to evaluate a cascade filter for air sampling the Raripactor.

Why does Sandia seek assistance

from universities? G. A. Fowler, Vice President Research (5000), explains it this way:

"Sandia obtains from colleges and universities the benefits of special kinds of scientific talent. Such programs also provide graduate students with new fields of study in which to earn advanced degrees—making available to Sandia highly qualified scientists and engineers."



The Sandia Lab News is an official publication of the Sandia Corporation, Albuquerque, N. M. Office: Room 10, Bldg. 829, Public Relations Division Staff: Cherry Lou Burns, Richard A. Dickson, assistant editors; Robert S. Gillespie, editor.



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Deadline  
Friday noon of week  
prior to publication



Member Association of Nuclear Editors, Border Council of Industrial Editors, and affiliated with International Council of Industrial Editors.

## Southwest Winter Wonderland

Winter has tightened its grip on the country and Sandia employees are coming home from travels through the United States with tales of the blights of winter — dirt, slush, blizzards, fuel bills, snow and day after day of bitterly cold weather. Newspaper reports reassure us that these Southwesterners are not just "softened" by our days of endless sunshine, blue sky and moderate temperatures. In much of our nation weather "won't be fit for man nor beast" until after Easter time.

Searching for words to express our appreciation for living in a country so generously blessed by nature we had only to look in the December, 1957, issue of **Albuquerque Progress**, the publication of the Albuquerque National Bank.

"Ernie Pyle wrote about our sky: 'It is so bright and you can see so much of it . . . half the horizon is yours in one glance just for the looking, and the distance sort of gets into your soul and makes you feel that you, too, are big inside.'

"There is something special, too, in the way the sun shines through our mountain air. Here at 5,000 feet above sea level its ultraviolet light turns our sky to flame and our mountains to blue and pink and amethyst as it sets behind the mesa to the west.

"The sun shines almost every day — an average of 309 sunshiny days each year — spreading everywhere with no fog or smog to dim its brightness.

"Our clean clear mountain air and warm, bright sunshine have restored health to thousands of people who have broken family ties elsewhere to move to Albuquerque's healthful climate."

The Southwestern climate has also put vigor into the economic life of the area. In New Mexico laboratories of the atomic energy program are flourishing, the oil and uranium industries are booming.

Businesses allied to these are finding that a land of healthy, happy people is a good place to locate.

Nature's kindly treatment of this part of the country makes Sandia Corporation an even better place to work.

## Eight Sandians To Teach At UNM

Spring semester classes at the University of New Mexico will find numerous Sandians extending their professional knowledge into educational fields.

A new course in the non-credit community college schedule will be Beginning German I, to be instructed by Gerald J. Hurley (7123). For the past three years he has taught Technical Writing at the University but his background includes six years of college level German.

Electricity and Electronics will be taught by Andrew Ellingson (1442) and Edward E. Brown (1442), who held similar classes during the fall term.

Taking over the non-credit course in Statistical Quality Control II will be G. J. Lombardi (5510), who has instructed the subject previously at UNM, and Ralph Whitmore (5510), who was a professor for 10 years at Southwestern University in Texas before coming to Sandia.

In the evening course credit

section William F. Carstens (7223-1) will instruct a twice weekly class in Freshman English II, with emphasis on Literature. Howard H. Wicke (5126) will continue his class in Applied Advance Calculus which began last fall. Jim Fife (7223-1) will teach another course in the English field, this time Informative Writing.

## Spanish Class Offered At the Coronado Club Starting in February

A 12-week course in conversational Spanish is being offered for the first time by the Coronado Club.

The course, open to members and their guests, will be taught by Ramon Baldonado (7122) who has taught languages and has a Bachelor's degree in education from the University of California.



CREDIT UNION officers elected at the annual meeting in January are (L to R) W. E. Prekker (6021) treasurer; J. T. Dempsey (6021-1), clerk; and L. E. Lamkin (7300), president. Absent from the picture is D. J. Hilliard (4113-1), vice president.

## Golden Wedding

Observing their golden wedding anniversary on Feb. 15 will be Mr. and Mrs. Andres Jaramillo, who now live in San Gabriel, Calif.

Andres retired from Sandia Corporation in September 1956 after working here for many years as a landscape gardener.



Mr. and Mrs. Jaramillo

The couple was married in San Felipe Church in Albuquerque in 1908. They have four sons, four daughters, 22 grandchildren and five great-grandchildren. A special mass will be held at San Gabriel Mission in the morning followed by a reception at Santa Teresita.

## Concert Series Tickets

Season tickets for the 1958-59 Community Concert series will be available February 17-22 from a group of Sandia wives living both on Base and in Albuquerque.

The tickets sell for \$6 for adults and \$3 for students.

The women having the tickets for sale and their telephone numbers are: Mrs. J. E. Gross, AL 5-7327; Mrs. R. W. Herrmann, ext. 47176; Mrs. A. S. Hayes, ext. 25170; Mrs. T. L. Pace, AX 9-5036; Mrs. H. G. Pierce, AM 8-2122; Mrs. W. M. Beardsley, ext. 21270; Miss Marjorie Newman (3124), ext. 52151; Mrs. C. A. Loftin, ext. 21186 and Mrs. R. S. Di Lorenzo, ext. 52175.

## Rainy Florida

The California Chamber of Commerce will be pleased to know that if Ralph Richards (8124-1) wasn't a confirmed Californian before, he is now.

Ralph recently returned from a two-week vacation with his parents at Fort Lauderdale, Florida. It rained almost every day.

## Congratulations

### Eorn to:

Mr. and Mrs. F. A. Stake (7412) a son, James Joseph, on Jan. 20.

Mr. and Mrs. A. D. Fackrell (7412) a daughter, Cynthia Ann, on Jan. 16.

Mr. and Mrs. W. L. Martin (2513) a son on Jan. 22.

Mr. and Mrs. Don Wagner (2511) a daughter on Jan. 24.

Mr. and Mrs. Conrad Pickens (7241) a daughter, Robin Ann, on Jan. 26.

Mr. and Mrs. George Ison (7241) a daughter, Elaine Ruth, on Jan. 15.

Mr. and Mrs. James A. Allensworth (5243) a daughter, Judith Dawn, on Jan. 24.

Mr. and Mrs. Bob Noble (1462-1) a son, Scott Noble, on Jan. 29.

Mr. and Mrs. Vernon Simmons (2552-2) a son, Mark Vernon, on Jan. 27.

Mr. and Mrs. George Hildebrandt (2552) a son, Robert Andrew, on Jan. 9.

Mr. and Mrs. J. J. Michnovicz (2462) a son, Mark, on Jan. 18.

Mr. and Mrs. E. J. Stymiest (4315-1) a son, Mark James, on Jan. 17.

Mr. and Mrs. Robert Durand (2163) a daughter, Janice Ann, on Jan. 16.

## Sympathy

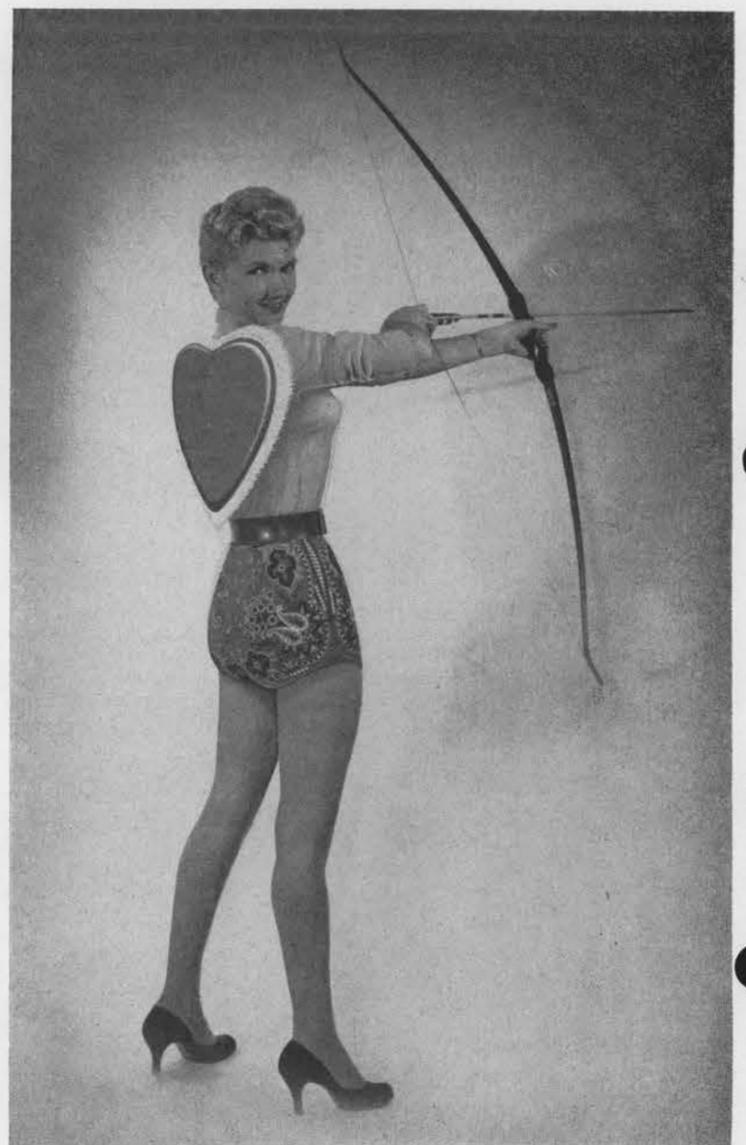
To Lillian (2711) and Clarence Sandin (2514) for the death of their two-year-old daughter, Linda, on Jan. 20.

To John Franklin (2234) for the recent death of his mother in Mexico, Mo.

To Paul R. Littell (5212-1) for the death of his mother on Jan. 24 in Ohio.

To John Lynn (2131-2) for the recent death of his father.

To John F. Bewley (7412) for the death of his mother on Jan. 24.



SPIRIT OF VALENTINE'S DAY is displayed by Phyllis Neff (2722) who prepares to release one of cupid's dangerous arrows.

## Sandianotes . . .

### Two Employees Show Enterprise In Grow-Your-Own Steak Undertaking

#### Saves the Dinner

While on the way to attend a phase of the Annual Nuclear Symposium at Los Alamos, Dr. W. B. Leslie (5524-1) and a group of other Sandians decided to stop off at a restaurant in Santa Fe for dinner.

While waiting for dinner to be served, the group was told quietly that it might be well to wait outside for awhile since the roof was on fire. The fire department arrived soon after but found the situation well in hand. Dr. Leslie was on the roof manning a garden hose.

#### Welcome New Son

Mr. and Mrs. A. V. Luhrs (2553) have adopted a new heir into their home: three-month-old Andrew Charles.

#### Tech Writer VP

In a special election, John Cowan (7123) was chosen last week to serve as vice president of the Albuquerque chapter of the Society of Technical Writers and Editors. He will remain in that office until the regular May elections.

John replaces Justin Heine-man (4111), who resigned from the society after entering business methods work.

#### Purchase Home

At Livermore, Beverly Deatrick (8113-2) has moved into her new home on Kennedy Street.

#### Little Theatre Players

The Albuquerque Little Theatre's forthcoming production of Thornton Wilder's "The Matchmaker" will find two Corporation employees behind the footlights.

Elwood F. Ingledue (1411-2) will play one of the male leads in the comedy set in New York in the 1880's. Margaret Wetzel (2461) takes a supporting role. Both have appeared in previous Little Theatre productions, including "The Solid Gold Cadillac."

The play will be presented Feb. 11-16 at the Little Theatre, 224 San Pasquale Ave. SW.

Two Sandians at Livermore are busy with plans for Spring roundup on their one-heifer ranch.

The "ranch," two and a half acres located near Livermore, is owned by partners Arnold Lamb (8113) and Dick Cook (8113-2).

Their stock consists of one 450 pound white-faced heifer.

"We'll range feed the heifer until March," Dick explains, "and put her on supplemental feed, mostly grain, through May. Then in June comes the roundup, with charcoal steaks to follow."

The "ranchers" figure that they'll have about 500 pounds of steaks, chops, roasts, etc.

The partners have laid careful plans for the future of their cattle business. Next month, they'll buy a calf and keep it on the range as a successor to the present heifer.

#### Back at Work

Fred T. Hansen (2532) is back at work following an automobile accident which took the life of his daughter, Linda Lynn, and injured other members of his family.

Fred extends thanks to his friends at Sandia Corporation who visited him at the hospital and helped him through this trying period.

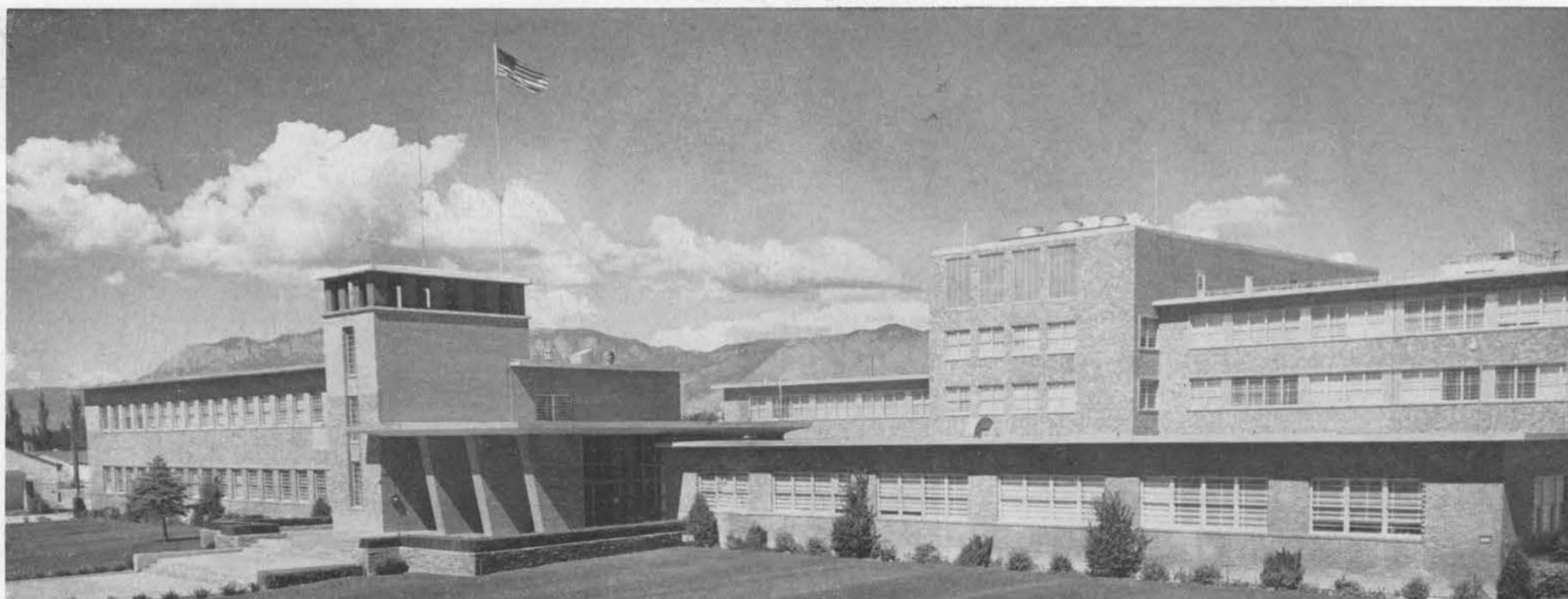
#### Lost Manuscript

Gene Newlin (6010) is searching for a transcript of testimony of a court case which was loaned to a Sandia employee recently.

The transcript, concerning the suit of two Sandia employees seeking to recover income tax paid on reimbursed travel expenses, is badly needed and Gene would appreciate its being returned.

#### Sunrise Intelligence

If you're interested in knowing what time the roosters begin to crow in Albuquerque, Thomas J. Raftery (5243) suggests a simple answer. Add six minutes to the sunrise and sunset times listed in the Almanac distributed recently in Sandia Corporation booklet racks. The change is necessary for this latitude.



**NEW PHOTO** of Sandia Corporation's Administration Building illustrates changes made since the days when the laboratory was housed in a few wooden barracks. In 1946 the laboratory employed little more than 300 persons. Today 7000 employees work for Sandia Corporation. Thirty permanent buildings are occupied, providing one million square feet of floor space on Sandia Base. A \$5,000,000 building program at Livermore, Calif., will provide quarters for personnel and tech facilities.

## Part VI: Sandia Corporation's Place in the Nuclear Weapons Program

# Weapons Prevent War Says President Eisenhower

**Editor's Note:** In this, the final article in the series, "Sandia Corporation's Place in the Nuclear Weapons Program," Sandia's roles in surveillance and operations, military liaison and training, will be discussed. The article concludes with a look into Sandia's future. Previously, these articles have described the evolution of weapons through stages of research, development, manufacturing and quality assurance.

Nuclear weapons stored in the nation's stockpiles, although "on the shelf" for quite some time, must be ready for immediate use if the need ever arises.

Helping keep weapons in constant readiness are members of Sandia's surveillance and operations teams—engineers and technicians who furnish technical assistance to the military at weapon storage sites.

These teams carry out quality assurance inspection of weapons at storage sites, based on methods established by Sandia's quality assurance engineers.

They are on call to assist the military when trouble is encountered and conduct analyses of rejected material to determine causes of failure. Reports on these surveys are sent to Sandia's quality assurance and development engineers.

The teams also conduct quality tests in the field to determine the life of weapons or weapon components under field environmental conditions and act as technical advisors to the military.

Another function performed by these teams is the calibration of all weapon test equipment used by Sandia Corporation and the military services in field operations. Calibration is based upon physical and electrical standards maintained by Sandia.

**Military Liaison and Training**  
Training military instructors in the maintenance and operation of nuclear weapons is one of Sandia's major responsibilities. Military instructors, after training here, conduct courses for the training of military teams responsible for field use of the weapons.

Early in each major weapon development program, Sandia Corporation instructors are assigned to work directly with the weapon system design group. They formulate courses which will translate the technical knowledge of the engineer into information useful to military personnel for field preparation and operation of weapons.

Training is begun during the development phase and continues throughout the production and stockpile life of the weapon. The assembly, handling and arming procedures for weapons are taught to military staff personnel by means of lectures, motion pictures, still photographs and other visual aids prepared here.

Instructors also assist in establishing the operational acceptability of weapon systems by participating with the military in a

joint evaluation of a completed prototype weapon.

### Manuals Prepared

Training of military teams is supplemented by technical manuals on maintenance and operation of weapons, prepared and published by Sandia Corporation.

The manuals incorporate information furnished by Los Alamos, the University of California Radiation Laboratory, the Field Command of the Armed Forces Special Weapons Project, as well as information provided by the various organizations within Sandia Corporation.

Instructions for postloading, pretakeoff and inflight procedures for weapons and prelaunch procedures for missiles carrying nuclear warheads are furnished by Sandia to the interested services, usually for incorporation in military service manuals.

Once a weapon has been produced and delivered to stockpile, field operating problems inevitably arise. They may be technical questions involving the use, storage or testing of the weapon, incorrect interpretation of handling and assembly instructions, or basic engineering problems, involving the design of the weapon which may require design modification.

Assisting in the resolution of these problems are Sandia's field engineers who maintain a close working relationship between Sandia Corporation and the military services. They deal directly with

military representatives at Sandia on a daily liaison basis and make frequent visits to the military field forces who use Sandia's products.

### Building Program

Since its establishment in 1946, Sandia has grown from a few wooden buildings to a modern \$60,000,000 laboratory. An additional \$4,000,000 building program is now in progress, replacing, as necessary, temporary buildings remaining with modern and permanent office and laboratory buildings.

New buildings are also planned to provide facilities for the ever increasing laboratory staff which has grown from 1700 in 1949 to its present strength of over 7000.

In addition, a \$5,000,000 branch laboratory is now being constructed for Sandia Corporation at Livermore, Calif., to provide close liaison with the University of California's Radiation Laboratory in

## Series 'Sandia's Place' Will Be Reprinted in Booklet Form Soon

Demands have been so great for issues of the Lab News carrying articles on Sandia Corporation's place in the nuclear weapons program that files are depleted. As a result the series will be reprinted in booklet form as soon as possible.

Persons wishing a copy of this booklet may contact the Public Relations Division (3125) ext. 21253.

the development of nuclear weapons.

The extensive building program and continuing field operations require the services of a staff of architectural and civil engineers in Sandia's plant services organization.

### Sandia's Future

The urgency of the weapons program and the need for long range planning to keep well ahead in this field has left little opportunity for planning Sandia Laboratory's future in "peacetime" applications. However, industrial uses of nuclear energy will always include complex auxiliary equipment, controls, test and handling devices. Sandia is ideally situated to take an active role in such work if weapons work is curtailed.

Lewis Strauss, Chairman of the Atomic Energy Commission, has predicted an even busier future for Sandia, should all atomic effort and knowledge be transferred to peacetime projects.

Until that day arrives, however, Sandia will continue to design and develop the most reliable weapons possible to assure the United States' leadership in weapons production.

As President Eisenhower said in a recent statement, "America has repeatedly stated its readiness, indeed its anxiety, to put all nuclear weapons permanently aside — to devote some of our huge expenditures for armament to the greater cause of mankind's welfare—to do all these things whenever, and as soon as, one basic requirement is met. This requirement is that we, as a nation, and all peoples, know safety from attack."

### Weapons for Peace

"In this spirit and in this awareness, we, as a nation, have two

tasks. First, we must—and do—seek assiduously to evolve agreements with other nations that will promote trust and understanding among all peoples. Second, at the same time and until that international trust is firmly secured, we must—and do—make sure that the quality and quantity of our military weapons command such respect as to dissuade any other nation from the temptation of aggression.

"Thus, we develop weapons, not to wage war, but to prevent war."

This, then, is Sandia Corporation's job.

## AEC Area Office Opened in Florida For Pinellas Plant

A new Area Office of the Atomic Energy Commission's Albuquerque Operations was opened Feb. 3 at the Commission's Pinellas Peninsula Plant between Clearwater and St. Petersburg, Florida. It is known as the "Pinellas Area Office."

K. F. Hertford, Manager of Albuquerque Operations, has appointed Henry A. Nowak as Manager at Pinellas. Mr. Nowak has been Manager of the Commission's Buffalo (New York) Area Office since July, 1956. The Buffalo office is now being deactivated.

The new office is responsible to Albuquerque Operations for administration of a contract with General Electric Company for operation of the Pinellas plant, which produces electronic equipment.

The Florida plant was built by General Electric in 1956, and was purchased from GE by the AEC in 1957. It has been operated under a subcontract with Sandia Corporation of Albuquerque, which operates Sandia Laboratory for the AEC. With establishment of the Pinellas Area Office, the GE contract will be direct with Albuquerque Operations. Sandia will, however, retain responsibilities in the field of product design.

## Next Bell Science TV Show About Weather

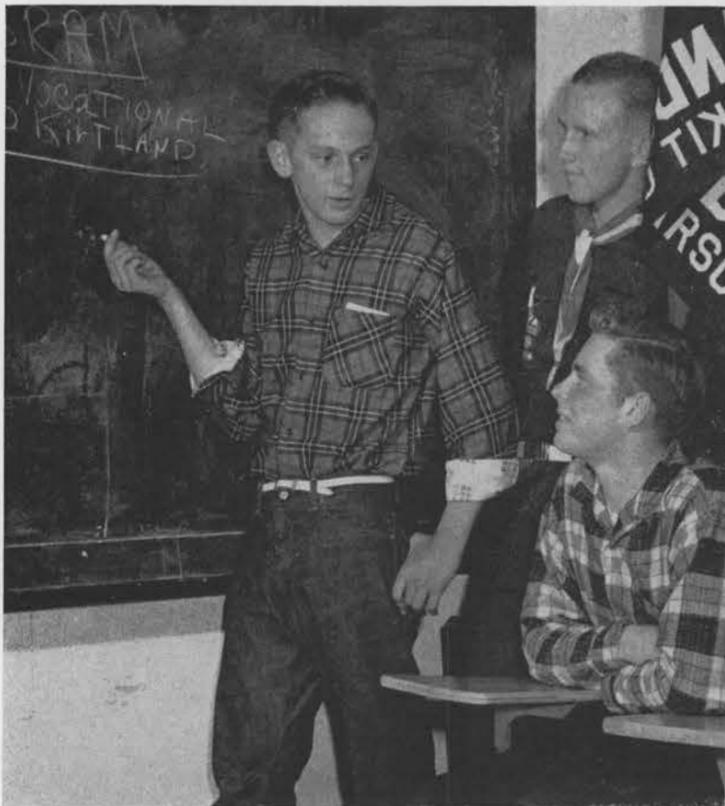
Next show in the Bell System Science Series is "The Unchained Goddess," to be presented Wednesday, Feb. 12, over the NBC television network.

The program explains what makes weather and shows what scientists are doing to predict and control it.

The Thomas Alva Edison Foundation has given the Bell System an award for presenting the best science television program for youth in 1957. A ballot of 62 national organizations named "Our Mr. Sun," "Hemo the Magnificent" and "The Strange Case of the Cosmic Rays" the outstanding science programs.



**REPLACING SOME** of the temporary buildings remaining at Sandia Corporation are modern permanent structures like Bldg. 836, pictured above. This office and laboratory building is the first of several new buildings to be constructed under a currently approved \$4,000,000 building program. An additional \$5,000,000 has been appropriated this year for adding new laboratory facilities.



EXPLORER SCOUTS of Post 87 on Sandia Base discuss a trip to Kirtland Air Force Base. They are (L to R): Jack Swindle, Roland Ellis (standing), advisor to the post, and Bob Schwartz.



PATROL DADS G. A. Parker (2700), center, and J. P. Gaynor (2224) discuss construction of a 20-foot signal tower to be erected at the Boy Scout Circus at the fairgrounds March 7 and 8. Getting pointers (L to R) are: Dennis Gaynor, Perry Maglidt (son of H. W. Maglidt, 4110) and Chuck Burley (son of F. E. Burley, 2500). Fathers and mothers are an important part of Scouting.

### Celebrate 48th Anniversary

## More Than 100 Sandians Help Train Boy Scouts

"No man goes about a more godly business than he who is concerned with the right upbringing of his own and other people's children."

This quotation from Aristotle sums up the philosophy of the more than 100 Sandians actively engaged in the Boy Scout movement in Albuquerque. To these public spirited individuals the Sandia Lab News pays tribute on this, the 48th anniversary of the founding of the Boy Scouts of America.

An American publisher, impressed by the British Boy Scout organization formed in 1907, set the wheels in motion for official incorporation of the Boy Scouts of America on Feb. 8, 1919. Some troops already existed in scattered locations but in two years there were Scouts in every state. The grand total was 100,000 members.

Through an interesting program for boys and the active support of leaders in government, education, civic and social groups the membership has risen to more than 3,100,000 boys in Boy Scouts, Cub Scouts and Explorer units.

Typical of the Boy Scout troops in Albuquerque is Troop 87 on Sandia Base, in which many Sandia employees and their sons are active.

Guiding this group of 46 boys in the art of outdoor life, first aid, character-building, and other important aspects of individual and group activities is Bennett Baldwin (7411-5) who has served as scout master for the troop since last October.

"My job," says Bennett, "is to provide the boys with good wholesome fun and activities to help them grow up to be good citizens of the community."

To carry out this voluntary assignment, Bennett devotes at least two nights a week to scout activities. Every Monday night he meets with the boys in the scout room in the basement in Bldg. 362 on Sandia Base. Other nights he and other adult advisors get together to plan future scout activities.

These activities include a monthly overnight hike to the mountains or mesas around Albuquerque. "The last two hikes we slept on three inches of snow," Bennett said.

Accompanying the Troop on hikes and other activities are six "Patrol Dads," fathers who assist the scout master in conducting the activities of the six patrols in the troop. Sandians currently serving as Patrol Dads are H. W. Maglidt (4110), G. A. Parker (2700) and J. P. Gaynor (2224).

On the Guidance Committee for the Troop is S. P. Schwartz (100), who is chairman of the committee. Serving with him is G. A. Fowler (5000) and J. W. Hook (2520).

The group is planning now for two big activities in March. On March 1 the scouts and their parents will attend a pot luck dinner at the Sandia Base Officers Club which will be followed by a "Court of Honor."

Bennett explains that the Court



ARTIFICIAL RESPIRATION is demonstrated to scouts of Troop 87 by Bennett Baldwin (7411) scoutmaster. Bennett learned first aid through a course he

is held periodically to advance scouts to the next highest rank. "Almost all the scouts in the troop will advance this time," says Bennett, "which is quite unusual. Normally, only about 30 per cent of a troop advance at one time."

### Boy Scout Circus

On March 7 and 8 Troop 87 will join with other troops in the Kit Carson Council, composed of 10,-

000 boys, in the Boy Scout circus at the State Fair Coliseum. The circus, divided into 12 principal acts, is designed to acquaint the public with scouting skills and activities.

For their part in the circus, Troop 87 will attempt to erect a 20-foot log signal tower in ten minutes.

Tickets to the circus, to be sold by the scouts, will cost \$1 for adults and 50 cents for children.

### AWS Meets Feb. 18

Robert Scott, Lindy Air Products representative, will discuss Unionarc — a magnetic flux gas shielding arc welding process, at the Feb. 18 meeting of the American Welding Society.

The meeting is planned for 7 p.m. at the R. L. Harrison Co., 1801 Fourth St. NW. Publicity for the meeting is being handled by Vince Nelson (1624-4), publicity chairman.

### Motorists Cautioned To Halt Automobiles When School Bus Stops

Motorists are reminded of the present policy on Sandia Base regarding overtaking and passing school buses.

Vehicles approaching or overtaking a school bus from either direction are required to stop at least 10 feet from any bus stopped on the street to receive or discharge school children. The motorist may proceed after the bus has resumed motion or upon signal by the military policeman.

### Speech Winners

Bob Nelson (7421) and Jim Williams (1444) won the second round of the speech contest of the Toastmaster Club No. 765 on Jan. 30. They will now compete against Bill Puder (7223) and Maj. Hal DeArment on Feb. 13 in the finals.

Other speakers at the recent contest were Bob Quinlan (1473) and Joe Danclovic (3152).

### Boy Scout Workers

Active in helping plan the forthcoming Boy Scout circus are two members of Division 7424. Fred Leckman is Scoutmaster of Troop 841 of the Immanuel Presbyterian Church and Walter Scott leads Troop No. 7 of La Mesa Presbyterian Church.

The circus will be held March 7-8 at the State Fair Coliseum.

### Sick Report

Members of 2150 send best wishes for a speedy recovery to Leslie Johnson (2154-1) who has been ill for several weeks.

Best wishes go to Robert T. Pegue (2131-3) who is in the hospital.

Co-workers in 2223 wish "Cap" Carmody a speedy recovery and return.

Also on the sick list is Lois Kelley (7422), who has been ill for several weeks.

Wishes for a quick recovery are extended to Lovella Montoya (7226).

Wishes for a speedy recovery are extended to C. L. Janus (2723-3), who has been in the hospital.

Convalescing from a recent operation is Frank Bennett (2722).

Harold Brint (4141) is expected to remain at the Veterans' Hospital a week or two more. Wishes are passed along for his quick recovery.

### Proud Owners

Mr. and Mrs. Floyd Zurenda (2163) have moved into their new home at 11605 Ralph NE.

### Favorite Month

January seems to be a favorite month for weddings among Sandians. Observing wedding anniversaries during the past month were: Kay Brown (2163) and her husband, Wilson (1218), their 16th on Jan. 10; Jake (7424) and May Ludington their 17th on Jan. 21; Lee (7423) and Barbara Toliver their 16th on Jan. 24; John (7423) and Ruth Simpson, their 14th on Jan. 20, and Warren and Dorene (7423) Buck, their 13th on Jan. 30.

Mr. and Mrs. Don Morrison (5126) will mark their 15th anniversary on Feb. 17.

## Sandia Evening School Has Heavy Employee Enrollment

Sandia Corporation Evening School classes began last week under the direction of General Training and Education Division, 3124.

There are 533 employees enrolled in the courses which meet once a week for 11 to 18 weeks, depending on the subject being taken.

Courses offered are Electronics I, II, III, IV, and V, with both laboratory and lecture sessions; Mechanical Measurements (Elementary), and Blueprint Reading (Mechanical).

Instructors for the evening classes, all employees of Sandia Corporation. They include: C. W. All'n, R. A. Mikkelsen, F. I. Magee (all 7113), J. A. Barber, Clyde

Jones, Bill Johnson (all 1611), J. P. Carlton (7111), J. F. Calek, K. R. Dickerson (both 3124), C. R. Blain (1256), R. T. West, J. A. Johnson (both 1215), R. L. Davis (1452), L. D. Watkins (5242), L. H. Ptacek (1452), N. A. Cordova (2131), W. V. McGuire (7412) and A. E. Binder (1215).

W. B. Maxson, an instructor at Albuquerque High School, will also teach an electronics course.

Sandia employees enrolled in the Albuquerque Vocational Evening School at Albuquerque High School total 144. They meet once a week for 18 weeks.

Subjects being taken there are Beginning and Advanced Arithmetic, Beginning and Advanced Algebra, Geometry, Trigonometry, Slide Rule, and Compound Angles.

# ALO To Complete Sandia Base Move Friday, Feb. 21

Transfer of the AEC's Albuquerque Office from 4001 Gibson Blvd. SE to Sandia Base now underway will be completed on February 21.

New quarters for ALO are four buildings bordered by Pennsylvania Street, H Street and Texas Street.

As ALO organizations occupy the new locations they will work from 7:45 a.m. to 4:45 p.m. with lunch hour from 12 noon to 1 p.m. These working hours were established to minimize traffic congestion and at the same time maintain a schedule approximately the same as those of the Sandia Area Office and Sandia Corporation.

All ALO offices will use the Sandia Base telephone exchange and new listings have been published. ALO north gate into the security area will be open 24 hours each day. The south gate will be open from 7 a.m. to 6 p.m. each day.

A Sandia Corporation tech area bus will make scheduled stops at the north gate of the ALO area and Sandia Corporation taxis will make scheduled stops at the same gate on runs to and from the airport.



**PARKER BURNS (7231) is congratulated by C. W. Campbell, left, (7200) and presented with a trophy for winning the Sandia Employees Singles Horse-shoe Championship tournament.**

# Welcome Newcomers

Jan. 20-31

Albuquerque	Points
Beverly A. Curran	7225
Donald Davidson	2521
Helen E. Davies	7225
Elvin C. Demaree	2473
Constance E. DeWitt	2410
Ruth L. Farley	2461
Dorothy B. Hoeke	2221
Roberta J. Hunnicutt	7225
Jeanne M. Luhn	7225
Thomas M. McMahon	2418
Edna F. Morris	7423
Milton D. Mikkelsen	2522
Margalee E. Parkhurst	7411
Walter G. Parkhurst	7411
Charlotte E. Samer	4142
Priscilla Sanchez	2225
John W. Shaver	2743
John C. Stokes	4135
Elizabeth A. Walter	2521
<b>Arizona</b>	
Alfred W. Mercier, Tucson	2722
<b>California</b>	
Barbara A. Cardozo, Livermore	8212-3
Barbara C. Hill, Livermore	8221-1
<b>Kansas</b>	
Jerome G. Beery, Manhattan	1652
<b>Idaho</b>	
Dean W. Davis, Pocatello	4135
<b>Ohio</b>	
Michael G. Weber, Cincinnati	4122
<b>Oklahoma</b>	
Sharon L. Gardner, Altis	7225
E. Gail Williams, Weatherford	7225
<b>Texas</b>	
Vernon O. Easley, Fort Worth	2443

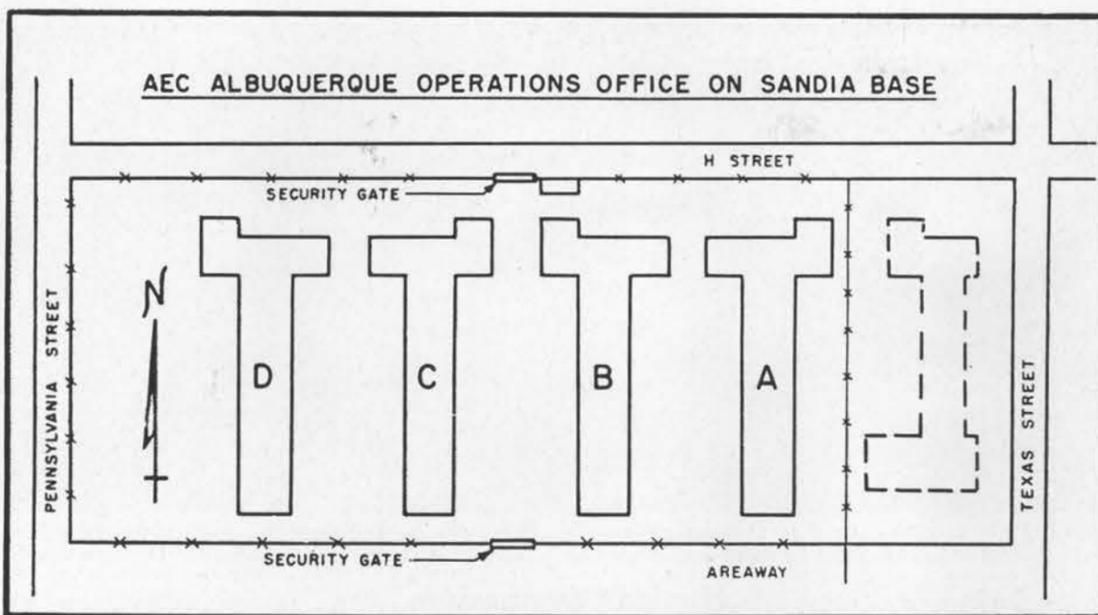
# Michnovicz Speaks to New Mexico Photogs

"Industrial Photography — its Applications at Sandia Corporation" was the subject of a talk presented this week by J. J. "Mike" Michnovicz, supervisor of the Photo and Reproduction Division (2462).

Mike addressed the Photographers Association of New Mexico at a meeting in the Hilton Hotel

# BASKETBALL SCHEDULE EMPLOYEES LEAGUE

Time	Home Team	Visitor	Court
<b>Mon., Feb. 10</b>			
6:45	AEC	vs 5100	
8:00	1200	vs 7100	Court 1
9:15	2500	vs 5200	
<b>Wed., Feb. 12</b>			
6:45	1400	vs 5500	
8:00	1600-1	vs 7200	Court 2
9:15	2100-1	vs 7400-11	
<b>Mon., Feb. 10</b>			
6:45	1600-11	vs 7400-1	
8:00	2200	vs 2400-1	
9:15	2100-11	vs 2400-11	
<b>Wed., Feb. 12</b>			
6:45	2100-11	vs 2200	
8:00	1600-11	vs 2400-11	
9:15	1600-1	vs 7400-11	
<b>Wed., Feb. 12</b>			
6:45	1400	vs 7400-1	
8:00	AEC	vs 5500	
9:45	7100	vs 5200	
<b>Thurs., Feb. 13</b>			
6:45	2100-1	vs 2400-1	
8:00	1200	vs 5100	
9:15	2500	vs 7200	



BLDG. "D"	BLDG. "C"	BLDG. "B"	BLDG. "A"
(Move 2/21/58)	(Move 1/31/58)	(Move 2/7/58)	(Move 2/14/58)
<b>BASEMENT</b>	<b>BASEMENT</b>	<b>BASEMENT</b>	<b>BASEMENT</b>
Security Vaults	Supply Division	Classified	GSA Maintenance
<b>FIRST FLOOR</b>	Warehouse	Files and Vault	Shop
Inspection and Storage	GSA Change House	<b>FIRST FLOOR</b>	<b>FIRST FLOOR</b>
IBM Section	<b>FIRST FLOOR</b>	Office Services	Manufacturing
<b>SECOND FLOOR</b>	O & P Division	Contract Division	Classification Division
Security	Finance Division	Main Conference Room	Snack Bar
<b>THIRD FLOOR</b>	<b>SECOND FLOOR</b>	Credit Union	<b>SECOND FLOOR</b>
Security	O & P Division	<b>SECOND FLOOR</b>	Assistant General
	Finance Division	Office of Manager	Counsel
	Budget Division	Advance Planning	Patent Attorney
	<b>THIRD FLOOR</b>	Information	GAO
	O & P Division	Assistant Manager	Legal Library
	Washington Auditors	Administration and Construction	Health and Safety
	Supply Division	<b>THIRD FLOOR</b>	<b>THIRD FLOOR</b>
		Test Operations	Unallocated
		E & C Division	

# Livermore Basketball

Livermore Branch's basketball team has pushed out of cellar spot with a trio of wins during the past three weeks.

Center Arnold Schuknecht (8212-5) sparked the 58-15 win over the Blockbusters, a local auto club, by scoring 14 points. Two games later he racked up 18 points in the 46-38 victory over the Rad Lab Pointers.

Jim Blanchard (8122-2) and Carl Tucker (8212-3) each made 13 points in the close 43-40 win over the Rad Lab Ramblers.

# Computers to Be Discussed At AIEE Meeting on Feb. 12

"Applications of Computers to Industrial Problems" is the title of a talk to be given by George Jacobi Feb. 12 at a meeting of the Northern New Mexico Section, American Institute of Electrical Engineers.

Mr. Jacobi, of the General Electric Company's Division at Phoenix, will address the group at 7:30 p.m. at the Public Service Company Service Center, 4201 Edith NE.

# ASTE Dinner Meeting Feb. 13

"Threads" is the title of a talk to be presented at the Feb. 13 meeting of the Albuquerque Chapter, American Society of Tool Engineers at the Hilton Hotel.

The speaker, Olen Stimson, is a representative of the Dreenfield Tap and Die Corporation. A dinner at 7:30 p.m. will precede the meeting, scheduled to start at 8 p.m.

The program was arranged by Leonard Nelson (2711), program chairman.

# SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER • 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

2 BR HOME, den, walking distance to schools, bus, shopping, close to Bases, shade trees, \$11,600. Gross, AL 5-7327, 705 Cagua SE.

WEAVER SCOPE, 6 power for .22 rifle, cost \$12.50, sell for \$7.50 including mount. Donaldson, Ext. 46240 between 12 noon and 1 p.m.

GAS RANGE, Welbilt, 4-burner, automatic oven, reasonable. Holmes, AX 9-2674.

WASHER-DRYER Combination, Bendix, less than 1 year old. Keeley, AL 5-2262.

WASHER, wringer type, reasonable. Kubiak, AL 6-1513.

UMBRELLA TENT, 9x9 w/floor and poles; 39" box spring. Patterson, 9805 Parsifal NE.

PROPERTY in northeast heights, 92 1/2 ft. frontage by 742 ft. deep. 5047 Highland NE, \$2400 total. Garcia, DI 4-0474 after 5:30 p.m.

'56 CUSHMAN Eagle w/buddy seat, windshield, new tires, \$200. Howard, AL 5-9489 after 4 p.m.

GAS RANGE, apartment size, \$25. Hogan, AL 6-7832.

TABLE, 4 chairs, white, \$10; divan, natural wood, green cushions, \$10; deep fryer, General Mills, \$10. Boling, AX 9-1346.

VIOLIN, \$60; Maytag wringer type washer, heavy duty, \$45; boy's cowboy boots, size 6 1/2, paid \$35, sell for \$15. Grey, AX 9-7349.

COCKER SPANIEL puppy, 6 months old, \$15. Warrick, DI 4-5057.

3 BR HOME, exposed beam ceiling, walled, recently painted throughout, tiled and insulated utility room, \$700 down. Baumann, AX 9-5244, 1213 Lester NE.

GAS RANGE, 36", \$25. Hess, AM 8-8558.

'16" BIKE, removable bar for girl or boy, \$17.50. Siegrist, AX 9-3088.

WASHER, Easy Spindrier, \$25. Krahiing, AM 8-8126, 1036 Princeton NE.

'56 CHEVROLET, 210, 2-door, R&H, Power-glide, Power-pack, two-tone, \$1650; '50 Studebaker, Champion, 4-door, Overdrive, \$165. Mares, 7723 Robin NE.

### NEXT DEADLINE FOR SHOPPING CENTER ADS Thursday Noon, Feb. 13

AQUARIUMS, 10 gallon, \$9; 15 gallon, \$13; tanks include fish plants and filters. Newman, AX 9-6660.

METAL CAGE, large 8-section, type used in medical labs, \$15; will give away 7 homing pigeons, quite tame. Koetter, AM 8-1009.

DEEP FREEZE, 19 ft. Westinghouse, '55 model, \$225. McDonald, AL 5-7938, 724 Madison NE after 5:30 p.m.

'49 PLYMOUTH, 4-door, one owner car, snow tires, good transportation. Batsel, AL 6-4990, after 5:30 p.m.

LOUNGE CHAIR, red Boltflex, w/ottoman. \$25. Carton, AL 5-6306.

2 BR HOME, Mankin, vertical blinds, 100% wool rug included, \$67 monthly payments, 4% GI, substantial down. Branson, AM 8-0130, 921 California SE.

'53 OLDSMOBILE "98" convertible, hydraulic, R&H, full power, white walls. Logan, AL 6-4044 after 5:30 p.m.

BLOND DESK and chair, \$35. Schutzberger, AL 6-6856.

WASHER, Frigidaire, \$40 or best offer. Staggs, AL 6-2266.

'57 CHEVROLET, station wagon, 4-door, loaded, 210 series, will take trade in as down payment, \$2150. Thomas, AX 9-3838.

WASHING MACHINE, manually operated, \$10. Brummell, AL 6-4206, 908 Monroe NE.

MG "TD", \$1000. Larson, AL 6-9165, 1305 Mesilla NE.

HORSE TRAILER, heavy duty 6 ply tires, \$100. Humble, AL 5-3706, 336 Gen. Patch NE.

ELECTRIC COOKER, Naxon crock-lined, almost new, \$5; Westinghouse electric hand vacuum cleaner, \$10. Sargent, AX 9-0427.

35mm CAMERA, Giro, f 3.5 lens, flash gun, and all equipment, \$32, or trade for 4x or 6x scope. Freshman, AL 6-7853.

'47 MERCURY club coupe, dual pipes, smittys, heater, moon hub caps, turn signals, \$100. Sanders, CH 2-6933.

DINETTE SET, chrome, 5 pieces, \$30. Lepore, AM 8-8459, 5906 Aspen NE.

16mm PROJECTOR, Keystone. McCabe, AL 5-6872.

PORTABLE PHONOGRAPH, Webcor Holiday, 3-speed, automatic, \$25. Blum, Ext. 5-6872.

DEEP FREEZE, Westinghouse Upright, \$250 or best offer. Keeney, DI 4-7607 after 6 p.m.

AQUARIUMS, 20 and 10 gallons, complete w/airpump, plants, sand, light, diptube and fish, \$25. Marshall, Ext. 31176.

'51 PACKARD, 4-door, R&H, new seat covers, \$250. Banks, AL 5-2544.

ADDING MACHINE, Remington Rand, hand operated, 10 key, 8 column, subtraction, sub-total, \$100. McCullar, AX 9-0638.

'51 BUICK Special, 4-door, sedan, R&H, Dynaflo, 48,000 miles, clean, \$395. Thomas, AX 9-4070, 2622 Gen. Marshall NE.

### NEXT DEADLINE FOR SHOPPING CENTER ADS Thursday Noon, Feb. 13

1956 A.J.S. 500 C.C. Scrambler, \$550; 7" Atlas shaper w/stand, \$275, must sell. Souders, DI 4-3966.

WORK BENCH, 6 ft. long, 2 ft. wide, 30 in. high, 6 drawers made of plywood and varnished, \$20 or best offer. Bloom, AX 9-5886.

'48 CHRYSLER New Yorker sedan. Wylie, AL 5-1072.

'57 CHEVROLET, Bel Air, V8, 4-door hard-top, brown and tan, overdrive, power pack, power windows, tinted glass, R&H. Heising, AL 6-6827.

RADIO AND TV tubes, less than wholesale, all new, older types at 1/2, 1/2 of wholesale price. Skinner, DI 4-9282.

'49 KAISER Traveler, two-tone green, sunvisor, 6 cylinder, back end opens up, rear seat folds down, runs, \$90. Anselmo, AX 9-4668.

'54 BUICK Special, 4-door sedan, P.S., P.B., R&H, \$1100. Gillette, CH 3-8868.

MATTRESS and springs, radio, phonograph, recorder, P.A., trade for spray gun or skill saw. Aaron, CH 3-4684 evenings.

'53 FORD Ranchwagon, 6 cylinder, R&H, 45,000 actual miles, \$600 or best offer. Elliott, AL 6-7909.

FREEZER, Carrier upright model, 17 cu. ft., 4 years old, \$300. Wolfe, AX 9-2458.

'49 HARLEY-DAVIDSON "74", \$275 or will trade. Krzykowski, AL 5-1991 Saturday.

HIGH FIDELITY Karlson Enclosure, walnut veneer, w/Electrovoice SP128 extended range speaker, \$160 value for \$55. Charles, AX 9-1364, 10413 Princess Jeanne NE.

REDUCING MACHINE, "Relaxacizer," only used two weeks, original cost \$220, sell for \$100. Rimbart, CH 2-4378, 1510 Gold SE.

WRINGER WASHER, Maytag, \$40. Radwanski, AL 6-2468, 302 Texas NE.

RADIO, Table model, \$10; Admiral radio-3-speed phono combination table model, \$30. Bytheway, AL 6-4843.

MUSIC STAND, new, chrome finish \$3.50. Ray, AX 9-1330.

PONY, Shetland and Welch, 3 yr old, 4 foot high, brown and white, gentle, \$150 or make offer. Suknot, AL 6-3985 after 5.

WRINGER WASHER, Maytag, \$25 or best offer. Roller, 9620 Aspen NE, Ext. 34134.

'56 PONTIAC, V-8 engine, dual exhausts, R&H, two-tone, \$1600, will take older model trade-in. Mora, AL 4-4513.

RIFLE, Mauser, Suhl 1890 model, 8mm, trade 1st W.W. Mauser or Springfield in good condition, or sell \$30. Reilly, DI 4-6703.

CHIUAHUA PUPPIES, AKC registered, \$35 and up. Cowan, CH 2-1052 after 5:30 p.m.

BIRD CAGE, w/stand, nearly new; children's cowboy boots, size 4D, never worn; want child care in my home, all ages, anytime. Bice, AM 8-8671.

'55 DODGE custom Royal, very low mileage, Fox, AL 6-2606.

ENCYCLOPEDIA Americana, 30 volumes w/book case; Nature Library, 5 volumes, New Outline of Knowledge, 20 volumes, \$100. Rinn, Ext. 2-7285 after 5 p.m.

RECORD CHANGER, Webcor 3-speed w/sapphire cartridge, \$22.50; Sunbeam automatic coffee maker, \$9. Goris, AX 9-2924.

RE-LAX-A-CISOR, sacrifice for less than 1/2 price. Kraft, AX 9-1278 after 5:30 p.m.

'49 PLYMOUTH, 4 dr., one owner car, snow tires, excellent transportation. Batsel, AL 6-4990 after 5:30 p.m.

RECORD CABINET, natural pine finish, \$15; small 3-shelf bookcase, \$5. Sutton, Ext. 3-6185 after 5 p.m.

COUNTERFLOW FURNACE, 75,000 BTU, Input, \$50. Dauphinee, AL 5-6367.

ELECTRIC RANGE, 30" oven, clock timer, complete w/pigtail, \$125. Baxter, AL 6-4559, 3224 La Veta NE.

GAS RANGE, Tappan automatic, 36"; grage door, steel, 7"x8", less hardware. Lowery, AX 9-5177, 2733, Utah NE.

WRINGER WASHER, \$15. Sul, 7101 Lomas NE.

REFRIGERATOR, 9 1/2 cu. ft. automatic defrost, \$85. Smith, DI 4-0126.

78 RPM RECORDS, classical and show music, 35 albums; mahogany bedroom suite, \$50; glass topped mahogany coffee table, \$10. Scott, AL 5-0344.

DOUBLE BED, Hollywood, box and inner-spring mattress, steel frame, \$30. Goen, AL 6-6385.

'53 PONTIAC, 4-door, extra clean, R&H, Hydro, loaded, priced right. Hanen, Ext. 25268.

BOOKCASE BED, new, maple, w/footboard, \$25; have guns, stock blanks, reloading equipment to sell or trade for darkroom equipment. Burrell, AX 9-6054.

2 BR HOUSE w/garage, wall, sprinklers, patio, air conditioning, HW floors, carpeting in living room, dining, hall, one bedroom. Wiesch, AL 6-7236.

TROMBONE, Olds Ambassador, used one month, terms if desired. Hynes, AX 9-0001.

'56 CHEVROLET, 8, power glide, R&H, 2-door, sport coupe, Bel Air, 15,000 miles. Carnicom, AL 6-9108, 2620 Florida NE.

'49 FORD V-8, R&H, \$225. Gay, AX 95625.

35mm CAMERA, Retina Ia, case, light meter, f 3.5; want used tape recorder. must run at 3 1/2 IPS, other speeds not needed. Tschaeche, CH 2-0405 after 5:30 p.m.

'48 FORD w/'48 Mercury Engine, \$125 cash or trade for auns. Peters, AX 9-4327, after 5, 1023 Grace NE.

LIVING ROOM set, green plaid blond wood, davenport-bed w/storage compartment; platform rocker, straight chair, end table. \$75. EVANS, AL 5-0162.

MAN'S BICYCLE, lightweight, \$25; 9x9 umbrella tent, \$25. Biegel, AX 9-7318, 9516 Euclid NE.

### WANTED

BABY SITTING at my home by week, day or hour, reasonable rates. Hook, AX 9-6051, 9604 Robin NE.

USED BOOK, Elements of Electronics, Hickey, 1955. Carton, AL 5-6306.

SECOND CAR in good condition, 49-50 model. Giannini, AL 5-0282.

SERVICE MANUAL for 1946-48 Chrysler. Penn, CH 2-0204.

CHILD CARE in my home or yours in Princess Jeanne Development. Shirley, AX 9-1216.

TRADE or cash for old cap and ball pistols, revolvers or rifles, private collector. Smith, AX 9-1096.

DRUM SET: 1 Tom Tom, cymbal, high hat, snare drum, bass drum and pedal. Leach, AL 5-7343, 304 California SE.

LAWN MOWER, Reel type. Wilson, Ext. 4-2242.

GOLIATH OWNERS to join owners club. Edwards, AX 9-5496.

BACHELOR to share 2 bedroom apartment in SE heights. Erne, AL 6-6584.

TO TRADE Northland Skis, 7" laminated hickory w/edges, for comparable 6'9" or two "beat-up" pair (6'9" and 6'6"). Miller, Ext. 42263.

LADY TO SIT with our 8-month-old baby in our home, days, Monday thru Friday, SE location. Johnson, AL 5-2552.

### FOR RENT

3 BR HOME, lawn in front, wall, garage, stove, automatic washer. Westfahl, AX 9-5043, 1216 Betts NE.

DUPLEX APT. w/refrigerator and stove, \$60 monthly, 417 Rhode Island SE. Saeveda, CH 2-8252 after 5 p.m., all day week ends.

### LOST AND FOUND

LOST—Ford keys in brown case, brown billfold, man's black glove, lady's tan leather glove, brown leather fur lined glove, black pencil w/gold strip, University of New Mexico note book, grey, gold and black glove, black velvet button type earring, 7 keys in brown tool case, man's brown leather glove, UNM class ring, grey suede gloves, pink and white rhinestone cluster earring, silver earring in the shape of fish skeleton. LOST AND FOUND, Ext. 26149.

FOUND—Lady's white glove, large button type pearl earring, brass Yale key, 4 keys in leather folder, stainless steel Corona watch, keys w/Maisel's disc, brown fur lined glove, orange paisley scarf w/green trim, Albuquerque National bank book. LOST AND FOUND, Ext. 26149.

# High School Science Students To See Parts of Sandia Lab

Sandia Corporation will open its doors Feb. 11 to allow 100 high school students and teachers to see science in action.

The date has been designated "Science Youth Day" by the Atomic Energy Commission.

This is the second year that the Atomic Energy Commission and its contractors have cooperated with the International Edison's Birthday Celebration Committee in observing the anniversary of the scientist's birth.

The tour will begin at 12:45 p.m. with a welcoming address by S. C. Hight (5100) in the basement conference room in Bldg. 802.

For the tour the students will be divided into four groups, the grouping based on their scientific interest. The groups are: chemistry, mathematics, beginning physics and advanced physics.

### Visit 1620 Facilities

Students and teachers in the chemistry group will visit Organization 1620's Organic Materials Laboratories, Material Properties Laboratories and the Radiation Effects Laboratory.

Computer facilities in Bldg. 880 will be demonstrated to the mathematics group by members of the Computer and Numerical Analysis Division (5126) and the Mathematical Services Division (5242). The demonstrations and lectures will be on the use of analog and digital computers and plotting boards.

Both physics groups will visit the same area but at different times. Arrangements have been made with the Optical Development Section (5221-1) to demonstrate and explain the use of the experimental solar furnace and telescopes in the test area near the Sandia Base east gate.

### To See Capacitor Bank

Physics students will also see a demonstration of the capacitor bank in Bldg. 619 used in Project Sherwood studies of controlled thermonuclear energy, and watch experiments to determine the characteristics of high velocity rain. These two demonstrations

were arranged by Organization 5131.

After the tour a 15-minute film of Area III and Field Test Activities will be shown and Mr. Hight will conduct a question and answer period concluding the activities at 4 p. m.

Schools participating include Albuquerque, Valley and Highland high schools, Menaul School, Albuquerque Indian School, Harwood School, Academy for Boys, St. Mary's high school, St. Vincent's Academy, and St. Plus X. In addition, representatives will be invited from the local radio, press and TV, and from school administrations.

### Tour Guides

Public Relations Division 3125 and General Training and Education Division 3124 are coordinating the tour.

Tour guides will be J. F. Calek (3124), W. S. Sturgis (3124), A. M. Fellows (3152-1), J. L. Wheeler (3152-1), D. B. Hill (3151-2) and R. N. Reed (3151-1).

Demonstrators and lecturers include: H. Schutzberger (5242), D. R. Morrison (5126), C. M. Clendenin (5242-1), D. C. Williams (5131), Dan Parsons (5221-1), C. A. Coonce (5221-1), Dan Fenstermacher (5221-1), R. E. Fisher (1621), R. R. Sowell (1625), R. M. Jefferson (1626), W. C. Gallagher (2743-2), R. C. Swyers (5131) and W. O. LaCoss (5131).

Other organizations assisting include Plant Security (2740), Motorpool Division (2473), Instrumentation Services Department (5210), Test Laboratory Department (1610), and the Photo and Reproduction Division (2462).

## J. W. McRae Elected Vice-Pres. Albuquerque Community Chest

J. W. McRae, President of Sandia Corporation, has been elected a director and second V.P. of the Community Chest. He was chosen for directorship at the annual meeting of members of the Community Chest held recently.



NUCLEAR SYMPOSIUM held at Sandia Corporation recently was attended by these men. This was the sixth meeting held by the group. Technical aspects of Corporation business were discussed.

## Junior High Students Hear Aerodynamics Talk

Members of the Garfield Junior High School Science Club heard a talk on basic aerodynamics by James F. Reed (5142-1) during their recent meeting.

The club is composed of 25 students and their vice president, Richie Groemmer, requested the speaker.

Mr. Reed is supervisor of External Testing Section, Experimental Aerodynamics Division, and has been at Sandia six years. He holds a Bachelor's degree in Aeronautical Engineering from the University of Colorado and was with the National Advisory Committee for Aeronautics at Moffett Field, Calif., for two and one-half years before coming to Albuquerque.

## W. E. Quality Consultant To Address ASQC Feb. 10

Miss Bonnie Small, Quality Control consultant for the Western Electric Company's Allentown Works, Pennsylvania, will address the Albuquerque Section, American Society for Quality Control, at its meeting Feb. 10.

Making arrangements for Miss Small's appearance here is Bill Fears (5513). The title for Miss Small's talk will be "Engineering Applications of Statistical Quality Control."

The meeting will be held at the Southern Union Hospitality Room beginning at 8 p.m.

## Nuclear Symposium Attracts Scientists In Weapons Program

Technical aspects of Sandia Corporation operations were discussed at the Sixth Annual Nuclear Symposium held Jan. 27 through Jan. 30. The symposium was conducted by the Nuclear Division (5524) of the Quality Engineering Department in conjunction with the Surveillance and Operations organization (7300).

The meeting opened with a welcoming address by George H. Roth (5520), followed by an operations review by L. E. Lamkin (7300). R. E. Butler (5524) served as symposium director and introduced the speakers.

Pictured above at the conference are (Top Row—L to R) J. C. Conant (7311), L. F. Denton (7312), G. E. Harwood (7314), H. R. Guest (7316), R. W. Mottern (7315), S. J. Rand (7321), and H. R. Shelton (5524).

In the middle row (L to R) are J. L. Coursey (7313), L. J. Flesner (7327), G. H. Bradley (7325), A. L. Weyer (7326), L. H. Mason (7326), W. L. Miller (7324), and W. L. Whitney (7322).

In front (L to R) are W. B. Leslie (5524), L. R. Neibel (7320), G. H. Roth (5520), L. E. Lamkin (7300), R. E. Butler (5524), and H. E. Viney (7310).

## Radio Caravan Club Members to Visit Facilities of CAA

A tour of the radio and weather station facilities of the Civil Aeronautics Administration has been planned for Feb. 12 by the Amateur Radio Caravan Club of New Mexico.

The club will meet first "on the air" at 29.6 megacycles at 7:30 p.m. Feb. 12 and proceed to a rendezvous point at Kirtland Air Force Base, announces Brian Ward (1262), club secretary.

## Two Films Scheduled For Noontime Movies

Alec Guinness and assorted "nomads" will be featured performers in pictures to be shown in coming weeks during the Corporation's noon hour movie program.

The schedule for Feb. 11-14 will be Part II of the British movie, "The Man in the White Suit."

Feb. 18-21 the program includes two black and white films, "Desert Nomads" and "Nomads of the Jungle."

The free movies start at 12:10 p.m. in Room 3, Bldg. 849 on Tuesdays and Thursdays and Room B-6 of Bldg. 802 on Wednesdays and Fridays.

## Supervisory Appointments

HOWARD B. DURHAM to supervisor of Section 1413-1, Special Problems Division.



During six and one-half years at Sandia Corporation, Howard has been working the entire time in the electronics field.

He previously worked nine months for Holmes & Narver in the Pacific.

Howard received a Bachelor's degree in Electrical Engineering from the University of California and has taken some graduate studies at the University of New Mexico.

His honorary society memberships include: Eta Kappa Nu (electrical engineering), Tau Beta Pi (engineering) and Sigma Xi (scientific). He also is a member of the Institute of Radio Engineers.

Howard served three years in the Navy during World War II, including a period in the Pacific Theater.

NEITH J. POLLARD to supervisor of Section 1413-2, Special Problems Division.



Neith has been in electronic research and development work at Sandia since November 1952.

Previously he was an electrical engineering instructor at Tulane University for three years and the University of North Dakota for two years.

He holds an MS degree in Electrical Engineering from Tulane University and a Bachelor's degree from the University of Michigan.

During World War II Neith served five years in the Navy as a radioman, three of these years were in the Pacific.

He is past chairman of the New Mexico section of the American Institute of Electrical Engineers.

## Sandia Tennis Fans Helping Bring Two Professionals to City

Active in promotion of projects of the Tennis Club of Albuquerque are C. H. Bidwell (1454) and H. S. "Hup" Wallis (7131).

The two presently are working on the forthcoming pro exhibition at the University of New Mexico's Johnson Gym which will feature Lew Hoad of Australia, "Pancho" Gonzales of Los Angeles, Tony Trabert of Cincinnati and "Pancho" Segura of Ecuador.

All of the matches played thus far in this global exhibition tour have been played in Australia and New Zealand. The Albuquerque matches will be on March 4.

Mr. Bidwell will assist in handling publicity arrangements and both will have tickets for the event.

Proceeds of the exhibition will be used by the Tennis Club to send Albuquerque youths to tournaments in other cities and to organize a Little League in Tennis to be started here in the spring.

## Antarctic Explorer Speaks Before New Mexico Mechanical Engineers

Designer of the snow cruiser used in the 1939 U. S. Antarctic Expedition will describe the unique vehicle at the Feb. 19 meeting of the New Mexico Section, American Society of Mechanical Engineers.



Dr. T. C. Poulter, Director of the Poulter Laboratory, Stanford Research Institute, will address the group

at 7:30 p.m. in Rm. 100 of the University of New Mexico Biology Building.

In addition to describing the snow cruiser, Dr. Poulter will discuss other recently designed military equipment. Visitors are welcome to attend.

E. H. Copeland (1471), ASME publicity chairman, reports that Dr. Poulter was the scientific advisor accompanying the U. S. Antarctic Expedition in 1939 and also served as second in command and senior scientist for Admiral Byrd's expedition in 1933.

## Service Awards

### TEN YEAR PINS



Wilbur F. Schaffer 2531 Feb. 2, 1948



John S. Cundy 2465 Feb. 9, 1948



John W. Hungate 1216-2 Feb. 9, 1948



Antonio Jinzo 2473 Feb. 10, 1948



Dwight L. Russell 7421 Feb. 11, 1948



Esquipulo A. Baca 2465 Feb. 13, 1948



John E. Tillman 2410 Feb. 13, 1948



Florentino G. Gabaldon 2473 Feb. 17, 1948



William A. Otero 2232 Feb. 17, 1948



James R. Dillard 2163 Feb. 18, 1948



Clarence E. Foster 2541 Feb. 18, 1948

### Two Year Certificates

Feb. 7-13  
Robert J. Everett 3161, Serafico D. Carrillio 2112, James A. Lipham 1624, Herbert W. Loemker 5215, Joan V. Russell 2553, Marilyn T. Culver 2713, Rene W. St. Sauveur 7411.  
Feb. 14-20  
Philip D. Leiserson 3152, Walter H. Suiter 1281, Gene E. Morgan 1246, Jack D. Edde 7313, George E. Power 7313.  
Feb. 21-27  
Arthur C. Finlayson 2711, Annie J. Montgomery 2553, Rutledge Carter 7122, Alice M. Stephenson 7225, Edward C. McNeely 2553, George N. Hunt 7322.  
Feb. 28-4  
Andrew J. Landis 2132, Gertrude H. Findley

7241, Bernice A. Cannon 2461, Leon G. Davis 2741, Beverly E. Klink 2551, Anna B. Pearce 7225, and Juel F. Powell 2483.

### Five Year Awards

Feb. 7-13  
Clifford F. Magnuson 1283, Howard J. Henry 7314, Louise H. Dow 7316, Robert W. Roberts 1442, Lawrence W. Platt 1442, James E. McGoortry 2320.  
Feb. 14-20  
Richard M. Dayhoff 5144, Winnifred G. Sandusky 7225, William A. McCormick 2223, Benjamin F. Stricker 2152, John L. Minck 5223, Jerry Cole 2152, and Mabel L. Sylvester 2461.  
Feb. 21-27  
Edwin L. Schaefer 2443, Donald A. McCoy 1613, Joseph E. Davidson 5513, Julian T. Chavez 2742, Harvey R. Dale 5222.  
Feb. 28-4  
Luis Santillanes 2415, Erma G. Campbell 2333, Karl E. Lindell 2551, Ruth Y. Romero 2711, and Andrew J. Alderete 7231.

## Promotions

Melba Fitzgerald (8113) to record clerk—property.

Sue Matthews (8113) to record clerk—property.

Irma Brown (8113) to production release clerk.

Ferne Saylor (8113) to senior clerk (product change and release).

Sidney P. Timmings (8222-1) to helper—trades.

Mary Katherine Weston (5126) to staff member, technical.