

# SANDIA LAB NEWS

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

Vol. 8, No. 21

ALBUQUERQUE, NEW MEXICO

October 19, 1956

## Tech Information Panel Meeting Ends Here Today

A three-day Albuquerque meeting of the Technical Information Panel will end today with a tour of Sandia Corporation facilities.

The panel is composed of 24 members who are concerned with the dissemination of technical information among contractors of the AEC.

About 40 persons attended the meeting which included a dinner at the Coronado Club Wednesday at which the principal speakers were Kenner F. Hertford, Manager of ALO, and F. J. Given, Sandia Vice-President in charge of Research and Development Technical Services.

Chairman of the meeting is Bernard Fry, AEC, Assistant Director for Technical Information Service, Washington, D. C.

Discussions have included dissemination of technical information among AEC contractors and civilian applications of the program to get unclassified information out into industry.

Charles Campbell, Superintendent of Research and Development Staff Services, is the Sandia Corporation member of the panel. Other Sandians in the field of technical information have attended the meeting as visitors along with ALO classification and information personnel.

## U. F. Drive Starts Wednesday A.M.; Lasts 2 Days

Wednesday morning 900 volunteer Sandia Corporation solicitors will begin contacting every employee for contributions to the United Fund Drive.

By Thursday evening they hope to report 100 per cent participation either by cash or check donations or enrollment in a payroll deduction plan which can be extended over as much as 12 months.

The drive, headed by Chairman Ken Erickson, 5130, will benefit 24 agencies working for better conditions here in Albuquerque.

## Exhibit in Nevada

A portion of Sandia Corporation's New Mexico State Fair exhibit will be displayed later this month at the Las Vegas, Nev., Community Fair.

The model of a portion of the Nevada Test Site, which simulates a nuclear experiment, is being taken to Las Vegas and will be displayed Oct. 24-28.

## Circuit Theory Meets

The Professional Group on Circuit Theory will meet Tuesday, Oct. 23, at 8 p.m. in Rm. 217 of the Electrical Engineering Bldg. on the University of New Mexico campus. The program will be announced later.



CONCENTRATION ON SCIENCE—The eyes of both young and old reflected interest in Sandia Corporation exhibit at the New Mexico State Fair. Thousands of New Mexicans studied the Sandia exhibit, asked questions and gained a better understanding of Sandia's place in the nuclear weapons program.

## Coronado Club Improving Patio Area Around Pool

Work began last week to extend the patio area around the Coronado Club swimming pools, according to H. V. Catt, 4121, Club president. The expansion will cost \$4000 which will be paid from Club funds. The contract was let to the Styron Construction Co. of Albuquerque.

The entire length of the west fence will be moved back 30 feet allowing for considerably more patio area. This area will be planted with grass and shade trees. It should be ready by next swimming season. W. M. Jobe, 2411, director of pools and patio for the Coronado Club board of directors, said.

A wire fence will be constructed to separate the children's pool from the larger pools. A large double gate will be added in the fence on the north side of the patio and a new concrete walk built.

Other plans include the purchase of new lockers for both dressing rooms.

## Engineers, Wives to Hear New Mexico Director of EDC

Monday evening, Oct. 22, will be Ladies' Night for the New Mexico Society of Professional Engineers.

Berl Huffman, state chairman of the Economic Development Commission of New Mexico, will discuss the future of New Mexico.

The dinner meeting will be held at 7 p.m. in the Simms Building Restaurant. The meeting is open to all engineers and their wives.

Reservations may be obtained by calling A. B. Metzger, 3210, ext. 23258, or Sandia Base ext. 25298 after hours.

## Employees Affected by Income Tax Ruling Form Investigation Committee

Reimbursement to a new employee for moving and travel expenses incurred in accepting employment must be considered as income and is therefore taxable, according to the Bureau of Internal Revenue.

As a result of this ruling some 700 employees of Sandia Corporation now find themselves liable for tax payments, with interest, on such reimbursement received as far back as 1953.

In an effort to obtain some modification of the ruling a group of Sandia employees has joined together to hire an attorney who will see what legal action may be taken.

G. C. Newlin, 6010, was named chairman by the group. Other members of the committee are: John H. Findlay, 1450, vice-chairman; S. O. Woodall, 7412, treasurer; Arthur Weiner, 1432, recording secretary, and H. E. Burrell, 2124, corresponding secretary.

Employees affected by the ruling have already met once and another meeting is scheduled for Tuesday, Oct. 30, at 7:30 at the Coronado Club. Everyone interested is urged to attend, especially those who may have a tax liability.

Meanwhile, discussions are being had with the local office of the Director of Internal Revenue looking toward arrangements for payment of the back taxes on an installment basis. The Corporation has agreed to arrange for payroll deduction of the installments if desired by the employee.

It is estimated that nearly \$100,000 in taxes is involved for the 900 odd employees (700 of whom are still on the roll) hired from out of town since 1953 and reimbursed for moving expenses. Individual tax assessments will average over

\$100, some few running higher. No penalty is being added to the tax bill but interest must be charged.

Since the ruling was published last year there has been extensive correspondence, conferences and requests by the Corporation on behalf of the employees for a modification of the ruling. These efforts were unsuccessful and the Internal Revenue Service has now begun to issue notifications of the additional tax due.

In view of the position of the Internal Revenue Service new hires are currently being notified in their job offer that the travel expense reimbursement is taxable.

## Kickoff Rally For U.F. Drive At Club Tuesday

Generating enthusiasm for the coming United Fund Drive at Sandia Corporation will be a giant rally of team captains and approximately 900 solicitors at the Coronado Club Tuesday, Oct. 23, at 2 p.m.

Marching bands, signboards, placards, and keynote speakers will carry out the rally's political convention theme. The "Buck-a-Month" party will be organized to promote Sandia's 12-month payroll deduction plan for contributions to the United Fund.

W. C. Kraft, 2530, will deliver the keynote address. Chairman of the convention will be Ken Erickson, 5130. Harry Corcoran, president of the Albuquerque Community Chest, will be the guest speaker. Hal Gunn, 3153, will be Sgt.-at-arms.



WILLING VOLUNTEER is Nancy J. Boyer, Livermore Branch secretary, who is assisting in the Livermore Valley Community Chest Drive now underway. Solicitation of Sandia Branch's employees will start Oct. 28. The fund will benefit eight red feather agencies.

## Sandians at Livermore Helping In Valley 'Single Fund Drive'

One of Livermore Branch's newest employees, Nancy J. Boyer, 1253-5, is doing a key job in the Livermore Valley Community Chest's Single Fund Drive.

Nancy has been collecting information for press releases, contacting community civic leaders to organize the placing of coin boxes and posters around town, and other jobs necessary to keep the campaign rolling.

The valley community chest is seeking \$13,519 for eight agencies—Boy Scouts, Girl Scouts, USO, American Cancer Society, Alameda County Heart Association, Na-

tional Association of Mental Health, Red Cross and Salvation Army.

Plans are underway for solicitation of Livermore Branch employees the week of Oct. 28. The canvassers are: E. H. Daugs 1251-1, R. L. Eisele 1253-2, R. S. Jacobson 1272-1, R. P. Verdier 1251-2, M. E. Oliver 1271-1, E. M. McCoy 1253-1 and G. L. Sheldon 1271-2.

Their alternates are: V. M. Field 1251-1, R. F. Schaefer 1253-2, R. J. Tockey 1272-1, P. D. Gildnea 1251-2, R. H. Richards 1271-1, E. K. Cochneuer 1253-4, and J. F. Sladky 1271-2.



Photography by Photographic and Reproduction Division

Deadline  
Friday noon of week  
prior to publication

Telephones  
Sandia Base 6-4411  
Ext. 25253, 26135

Office: Room 10, Bldg. 829, Employee Services

Cherry Fellner, Don Graham, Assistant Editors  
Robert S. Gillespie, Editor



## Those "Yield" Signs

One of the signs of progress in the control of automobile traffic reads "Yield Right of Way."

Comparatively new, these signs are still not completely understood by the motorist. Law enforcement agencies are still studying the use and effect of this type of traffic control.

Yield signs are normally used instead of stop signs at corners where traffic is light. This means that instead of being required to come to a complete stop, the driver can lawfully "roll on through"—providing certain precautions are observed.

On Sandia Base you must slow to at least 10 miles-per-hour when passing a "yield" sign. If you are turning to the right you must yield to the cars coming from the left. If you are going straight through or turning to the left you must yield to cars coming from both directions.

If traffic happens to be heavy you simply wait until you can comply with these instructions.

Traffic engineers figure that you will not interfere with traffic if you allow a 7-second gap between you and the nearest approaching car on the street you wish to cross or turn into. Perhaps the best advice is that if you are in doubt, treat a yield sign as a stop sign and come to a complete halt before entering the intersection.

If you go through a yield sign and become involved in a collision, full blame will normally fall on you, even though you are nosing slowly and the other driver hits you. In this respect, a yield sign is more restrictive than a stop sign.

A pedestrian always has the right-of-way over a car approaching a yield sign on the secondary street.

Drivers who understand the restrictions of yield signs are safe drivers. Strict observance of these signs can reduce accidents.

## 25 Cents A Week—

What does a quarter a week mean to you personally?

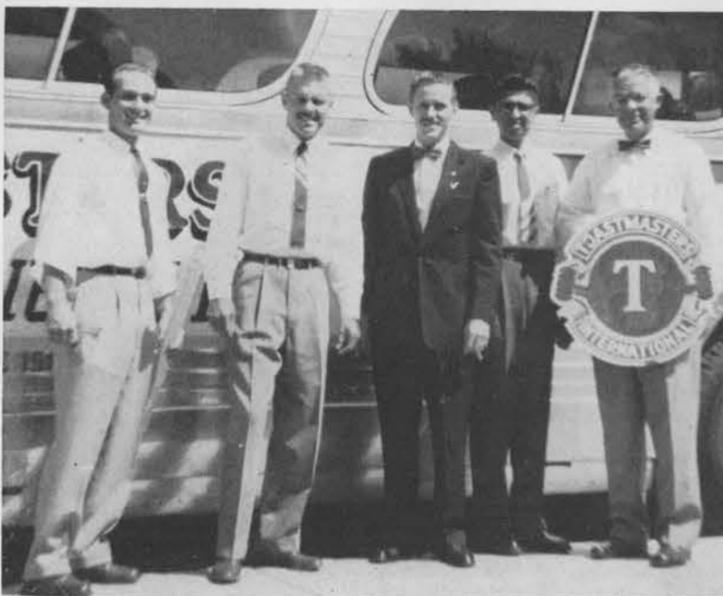
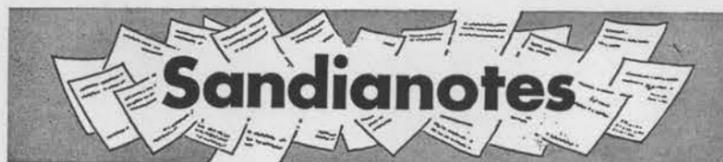
Well, to some people it's the cost of a package of cigarettes. To others it might be a malted milk with the children on Sunday. It's half the price of a drive-in movie; a bag of potato chips to munch on while watching TV.

Any Sandia Corporation employee can spend a quarter a week and not feel it. But, there are many people in Albuquerque who can benefit from such a donation—when it is multiplied by 6,000, the number of Corporation workers.

This year contributions for the United Fund drive may be deducted from your payroll on a year-round basis. A dollar a month or 25 cents for 48 weeks adds up to \$12. This means each of the agencies in the drive will receive 50 cents.



FOOD AND FUN were main features of the organization 2711 picnic held recently in the Sandias near Las Huertas. Those enjoying the day's festivities with their families and friends. L to R: George Pasko, Barbara Smith, Edith Irwin and J. M. Gustafson.



**TRAVELING TOASTMASTERS**—Shown here are a few of the members of the Sandia Toastmasters Club who installed a new club in Gallup. L to R are Ronald Hayenga, 1441, Lewis Hanchey, 1248, Wayne Keyes, USN, Sandia Base, Pete Hernandez, 1217, and Lee Deeter, 1440, Dist. Governor of Toastmasters International.

### Jingle Expert

Attention jingle writers: Rosemary Teasdale, 7121-1, has just won a sewing machine for her rhyming entry in a national contest. This makes over \$6,000 Rosemary has won in the last 10 years for her jingles.

### Dance Research

Coronado Club dancing instructor Justin Heineman, 7123-2, is back from Mexico with the latest variations of the Ta-cha-cha, which he reports is the most popular dance south of the border. During his trip he observed the various steps in Mexico City, Acapulco, Putzcuaro, Ixtapan and Cuernavaca.

### Purdue Alumni Meet

Alumni of Purdue University now living in New Mexico are invited to a meeting of the Purdue Club at the Kirtland Officer's Club tonight at 7:30 p.m. For reservations call W. F. Shoemaker, 1217, ext. 24161 or Alb. 5-8820.

### Sylvan Harris Ill

Get-well wishes are extended to S. Sylvan Harris, 2460, who is in the hospital.

### 600-Pound Elk

Nimrod honors this week go to Don Wader, 2231, who killed a 600 lb. elk in the Pecos area during the special season early this month.

### Lucky Winner

Is W. D. LaCoss, 5131, ever lucky! He won a \$130 power mower at the State Fair. No grass to mow at his house, but he still has to pay the Federal gift tax.

### New Home

The D. C. Williams, 5131, have moved into a new home at 2904 Carolina, N.E. after residing on Sandia Base for three years.

### Kappa Phi Meeting

There will be an organizational meeting of Kappa Phi alumnae Monday, Oct. 29, at the home of Mrs. K. E. Warren, 3600 Calle del Ranchero, N.E. All former members of the sorority are urged to attend to help draw up the charter.

### Record Setter?

Robert M. Jacob, 5524, is claiming some sort of record for seeing the scenic sights in America. During the past summer he has visited six national parks: Mesa Verde, Carlsbad Caverns, Sequoia, Crater Lake, Glacier and Yellowstone.

### Wedding Anniversary

John Cooper, 2711, and his wife recently celebrated their 15th year of marriage.

### Red Ribbon Winner?

Sandia Lab News photographer Elliott "Tiny" Harris, 2462-1, spent some time during the State Fair taking pictures of Sandia Corporation's display. He wore a red satin "official's badge" to get him in and out of the gates.

He was still wearing the ribbon when he went home for lunch one day. Tiny's little daughter, Tony, took one look at the ribbon and quipped, "Oh, Daddy, you took second prize!"

### Honor Student

The daughter of Ted B. Morse, 1661, was admitted to Pomona College in California this fall with honors.

Melva was awarded the highest honor given new students for her outstanding academic record at Highland High in Albuquerque. A '56 graduate, she won the gold "H" of the Honor Society, served as student librarian, and was a member of the French club, Spanish club and the Lockettes.

Melva will major in languages at Pomona.

### Papal Blessing

Jesus Gutierrez, 2711, and his family have received a "papal blessing" from the Vatican, signed by Pope Pius XII's secretary on Aug. 23.

The special blessing from the Holy See was requested by Jesus' parish priest in San Antonito, where the Gutierrez family lives.

### Assigned to KAFB

Marion L. Williams, staff member of 5142, who left on military leave of absence Oct. 12, will be reporting in at the Kirtland AFB Special Weapons Center on the 30th.

## Caravan Club Plans Ladies Night Party

Annual Ladies Night, honoring wives of members, is scheduled Oct. 24 at 7 p.m. for the Amateur Radio Caravan Club of New Mexico.

The group will meet at the Wayside Inn at 7 p.m. for dinner. The new club officers for 1957 will be announced. Following this program Brooks Braffett, 1413, president, will be host for a bingo party in his home.

Communications for the Ft. Sumner sports car races will be provided by the Caravan Club again this year, Jim Stueber, 5223, secretary, reports. Members will meet Oct. 28 at 7 a.m. at the Western Skies Motel on East Central and proceed in caravan to Ft. Sumner.

The club plans a family picnic at the close of the races.

## Weddings

Plans are being made for the marriage of Mary Jo Spann, 2343, and Lt. Don Boyett on Dec. 21 in a candle-light service.

Mary Jo came to Sandia Corporation in Oct., 1955 after graduation from Albuquerque High. Lieutenant Boyett will leave the service in June, 1957 and continue his studies at Mississippi State College.

The bride is the daughter of Jenny Spann, 2721, and Rollie Spann.



Mary Jo Spann

Adrienne Goff, 2553-3, became the bride of Harold Neuhaus, 2418, Friday, Oct. 12, at the Redeemer Lutheran Church in Albuquerque.

Catherine Smith, 74223, sister of the bride, was the attendant.

The couple honeymooned in northern New Mexico and is at home at 501 Georgia SE.

## Congratulations

### Born to:

Mr. and Mrs. W. E. Treibel, 1246, a son, Stephen Bruce, Oct. 4.

Mr. and Mrs. David Poli, 2552, a son, Douglas Lee, Oct. 2.

Mr. and Mrs. John Martinez, 2353, a daughter, Bernadette, Oct. 4.

Mr. and Mrs. William T. Perea, 1261-1, a daughter, Lucille, Sept. 23.

Mr. and Mrs. G. O. Folkins, 1463-1, a son, Kenneth Bruce, Oct. 10.

## Sympathy

To Harry K. Daniel, 7113, for the death of his father in Indianapolis, Sept. 30.

To Mark A. Elich, 7113, for the death of his father in Pueblo, Colo., Sept. 30.

To Mr. and Mrs. James E. Davidson, 3152, for the death of their infant daughter, Cheryl Kay, in Albuquerque, Oct. 4.

## Typist Tips...



Maxine Laidlaw

## Stapled Document With Error No Problem for Expert Stenographer

Typing stencils is an art of its own. Maxine Laidlaw, who is in 7225 assigned to Telemetering Division 5215, spends a great deal of her time cutting stencils of specifications. However, other times it is a question of many, many carbon copies.

Maxine passes along this tip for when you have an entire 15-page document typed, the copies stapled together, then find an error on Page 3.

Put a plain sheet of typing paper in the machine and with your left hand insert the bottom of the page to be corrected behind the front flap of plain paper. Turn the platen toward you with your right hand until the document is securely in the typewriter, remove the blank page with the release lever and make the correction.

# Sandia Employees Take Many Ribbons At N. M. State Fair

"Come to the Fair" proved to be a lure for many Sandia employees to enter various competitions in the New Mexico State Fair exhibits. Quite a number of them won ribbons with their displays.

In the Flower Show George C. Hollowwa, 7120, seemingly cornered top floral honors with 72 blue ribbons — mainly for his dahlias, but some were for geraniums, begonias and chrysanthemums. He also won the Tri-Color Ribbon and the Horticultural Sweepstakes.

Other Corporation employees who were prize winners included:

**Flowers**  
Ginger Johnson, 7224-3, 1st for cushion chrysanthemums.  
Eunice Vleck, 7224, honorable mention for flower arrangement "In the Beginning."

**Stamps**  
Franklin Barnett, 7123-3, 1st for his Philadelphia "R" marked envelopes and a trophy for his "Fathers of the American Revolution" display.

**Art**  
Lee Daily, 7411, 2nd in amateur watercolor for "Six O'Clock Saturday Night."  
Merrill Murphy, 1433, 1st in silver jewelry for a ring.

**Horses**  
Verna Clark, 2231-4, 2nd in produce of dam and stallion foaled in 1955 class and 3rd in the halter class for their Arabian horse, Airbu.

**Coins**  
Earle E. George, Jr., 7122-1, 1st in ancient coins and curious money.  
Malcolm Groll, 4151, 1st in US sets minor coins (circulated), 1st in US sets major coins (circulated), 2nd in US sets minor coins (uncirculated).

Roland O'Trimble, 1224, 2nd in US proof and mint sets and 3rd in US and Confederate currency and military script.  
R. C. Jackson, 7421, 1st in US sets minor coins (uncirculated), 1st in US sets major coins (uncirculated), 2nd in US sets minor coins (circulated), 2nd in foreign coins, 3rd in ancient coins and curious money.

Laurence Meissen, 2153, 2nd in US sets major coins (circulated) and 2nd in US type sets.

Charles Rettinger, 2152-3, 2nd in ancient coins and curious money.

**Antiques**  
Lee Deeter, 1440, 1st in clocks for English bracket clock.  
Dorothy McKee, AEC, ALOO, 1st in miscellaneous collection for jewelry.  
Cherry Lou Fellner, 3125-1, 2nd in copper.

C. E. Katzenberger, 7224, 3rd for black Wedgwood cup and saucer.

**Photography**  
Leroy Hassebroek, 7311, 3rd in colored slide (still life).  
Frank H. Grubbs, 4113, 3rd in black and white photo (general category).  
Louis T. Chavez, 2463, 3rd in black and white photo (portrait).

**Homemaking**  
Pauline Burnside, 3160, 1st in knitting for a stole and 2nd in knitting for a baby carriage blanket.  
Eunice Vleck, 7224, 3rd in suit-making.

**Hobbies**  
Leroy Crumley, 2341, 1st, 2nd and 3rd in model airplanes.

**Gems & Minerals**  
Ellen C. Wood, 2531, 1st in single crystals, 1st in thumbnail specimens, 1st in cabinet specimens from one locality, 1st in cabinet specimens of general collection, 2nd in cabinet specimens of all one family, 2nd in crystals group.

Dorothy McKee, AEC, ALOO, 1st in crystal groups, 1st in minerals of one family, 2nd for general cabinet specimens.

**Rabbits**  
Stanley Robinson, AEC security, two 1st's, four 2nd's, and three 3rd's for his New Zealand Reds.

## Name Chairmen of 3 Committees in Technical Council

Three Sandians have been appointed committee chairmen for the New Mexico Council of Technical and Scientific Societies.

L. L. Lowe, 2132, heads the membership committee; A. L. Thornton, 2722, is joint program coordinator; and J. C. O'Neal, 5511, was reappointed chairman of the Council's entertainment committee.

# PROMOTIONS

GEORGE H. BRADLEY, Jr., to supervisor of Technical Section



7325-1, Operations Department B. He joined Sandia Corporation two years ago as a staff member in 7311.

Previously he worked several years for the American Viscose Corp. in Lewistown, Pa., as an engineer, investigating engineering projects and supervising drafting.

George served two hitches in the Army in the Signal Corps and Artillery and attended the AF-SWP Nuclear Supervisor Course. He holds a Bachelor's degree in Mechanical Engineering from Clemson College in South Carolina and a MS degree from M.I.T. While at Clemson he also instructed engineering for one year.

HOMER H. WILHELM to supervisor of QAI Section 7314-3, Operations Department.



Eight years ago he started work for Sandia Branch of Los Alamos, in 1953 he became a staff technician in Surveillance Division 7311.

Previously Homer was employed three years by Union Carbide & Carbon Corp. in Oak Ridge, Tenn., as a crew leader. He has also worked for Hercules Powder Co. in Tyner, Tenn. and Triton Chemical Co. in Glen Wilton, Va.

From 1934-42 he was a farmer in Eagle Rock, Va. Homer studied Industrial Chemistry at the University of Chattanooga, Tenn.

KENNETH F. CROWDER to Supervisor of Design Division 5143, Aerodynamics Department.

He first came to the Corporation in 1949. In Nov. 1954 he left to take employment in Venezuela. In June, 1955, Kenneth returned to Sandia.

During his seven months in Maracaibo, Venez., Kenneth was employed by Creole Petroleum Corp., for supervisory work in mechanical engineering.

Previously he received a BS degree in Mechanical Engineering from the University of New Mex-

ico and served three years in the Army.

Prior to Army duty Kenneth worked seven years in the engineering contracting business as a heavy equipment operator doing civil engineering work throughout New Mexico.

GUSTAVE W. KRAUSE to supervisor of Manufacturing Engineering Section 2532-1, Manufacturing Relations Engineering Department I (A).



"Gus" has been with Sandia Corporation since 1952, first in 2532 and for the past year in 2550. He came here from the Texas Co. in Houston where he was a design engineer for one and one-half years.

Gus received a Bachelor's degree in Mechanical Engineering from the University of New Mexico and also attended Boston University. He holds membership in Kappa Mu Epsilon, honorary mathematics society, and Pi Tau Sigma, mechanical engineering honorary.

During World War II he served four years with the Eighth Air Force in England as a pilot.

## Robert Durkee Writes Article Published in Electrical Magazine

Robert W. Durkee, 1262, is author of an article published in this month's Electrical Manufacturing entitled "Basic Magnetic Switching Circuits."

The article tells of magnetic switches, ability to combine reliability, long life, low maintenance and resistance to extreme conditions of vibration, shock and temperature.

Mr. Durkee has been investigating this field for the past year for Sandia Corporation in the Electrical Systems Division, 1262. He has been employed at Sandia for two years.

He earned his B.S. degree in electrical engineering in Feb., 1950, from the University of Wisconsin. He was an Air Force Radar Officer for three years during World War II.

Mr. Durkee is a member of the Institute of Radio Engineers and the American Institute of Electrical Engineers.

The article was edited and prepared for publication by Sandia Corporation's Technical Information Division, 7223.

## WELCOME Newcomers

Oct. 1  
Oscar E. Carter, Navato, Calif., 5531.  
Ernestine R. Henderson, Albuquerque, 7225  
Melvin L. Hill, Dewey, Okla., 7412  
Donald R. Johnson, Salt Lake City, Utah, 1621  
Pilar P. Llamas, Albuquerque, 2723  
Leo S. Maddy, Calabasas, Calif., 5214  
Palma E. Oliva, Tulsa, Okla., 3152  
James R. Park, Los Alamos, N.M., 1451  
Wayman H. Phelps, Albuquerque, 2413  
Lawrence D. Phillips, Jr., Memphis, Tenn., 5214  
Jean L. Simpson, Albuquerque, 2471  
Herman J. Stein, Stillwater, Okla., 5133  
Theodore J. Saselli, Albuquerque, 1253  
Grover J. Uhl, Meshawaka, Ind., 2132  
Henry F. Ward, Jr., Albuquerque, 1472  
Lawrence E. Williams, Kansas City, Mo., 2133  
Erwin G. Stewart, Albuquerque, 2411

Oct. 2  
David K. Adams, Albuquerque, 5111  
Alfred D. Foster, Columbus, Ohio, 5141  
Angela D. Granger, Albuquerque, 2531  
Gertrude H. Mahoney, Albuquerque, 2333  
Odell J. Otero, Albuquerque, 2461  
Bernadine H. Sullivan, Albuquerque, 2553  
M. Diane Ward, Albuquerque, 2464  
R. Eileen Zimmerly, Albuquerque, 2341

Oct. 3  
Ruth M. Farmer, Albuquerque, 2133  
Marcella C. Noble, Albuquerque, 2461  
Mary Ellen Smith, Albuquerque, 3151  
Marylyn J. Yoder, Albuquerque, 2353

Oct. 4  
H. Judson Gregory, Bartlesville, Okla., 1245

Oct. 8  
John R. Biesterveld, Milwaukee, Wisc., 1216  
Lois D. Calkins, Albuquerque, 2461  
Billy C. Caskey, Linthicum Heights, Md., 1215  
Joyce M. Doyal, Albuquerque, 1253  
Jim L. Fife, Tiffin, Ia., 7223  
Mary N. Fix, Silver Springs, Md., 1463  
Jane W. Gray, Albuquerque, 7224  
William F. Hahn, Albuquerque, 4121  
M. T. Hodge, Albuquerque, 2419  
Robert J. Hunnicutt, Albuquerque, 7225  
John W. Kinney, Milwaukee, Wisc., 1456  
Carroll S. Lewis, Albuquerque, 7314  
William J. Lovato, Albuquerque, 2419  
Francis T. Najor, Albuquerque, 4125  
William T. Pierce, Wichita, Kans., 2151  
Joseph T. Plant, Albuquerque, 2419  
Emiliano Sanchez, Albuquerque, 2352  
Fred R. Sweet, Socorro, N.M., 1217  
Samuel Swysgood, Albuquerque, 1245  
Charles W. Walker, Corona, Calif., 1271

Oct. 9  
Nade M. Berg, Albuquerque, 2224  
Charles R. Burbank, Albuquerque, 2340  
David Chavez, Albuquerque, 2351  
Christina M. Kenney, Santa Fe, N.M., 3124  
Marie C. Lovato, Albuquerque, 7225  
Cecilia A. Meister, Albuquerque, 2225  
Charles E. Smith, Albuquerque, 2419  
Harvey L. Turk, Albuquerque, 2419

Oct. 10  
Frances J. Adams, Albuquerque, 2333  
Joel R. Foster, Albuquerque, 2461  
Eugene W. Glaze, Columbus, Ohio, 1451  
Imogene S. Nicholas, Albuquerque, 7225  
Anna M. Slavin, Albuquerque, 2222

Oct. 11  
Betty D. Cummings, Albuquerque, 3164  
Sara S. Moore, Albuquerque, 7225  
Alan A. Netz, Los Alamos, N.M., 2461

## Doug Ballard Reads Paper Before Missile Reliability Symposium

Doug Ballard, 1624, presented a technical paper this week at the Joint Military-Industry Guided Missile Reliability Symposium at Redstone Arsenal, Huntsville, Ala.

"Application of First Production Evaluation System to Help Assure Materiel Compatibility and Functional Reliance" was the title of Mr. Ballard's paper. It discussed tool-made sample evaluation systems as applied by Sandia Corporation for the past four years to atomic ordnance items.

## Service Awards

### 10-YEAR PINS



F. A. Leckman 7410 Oct. 30  
Robert D. Jones 1443 Oct. 24



A. B. Machen 7100 Nov. 1  
James L. Rowe 2410 Oct. 28



Vernon E. Baker 5216 Oct. 23  
William H. Everhart 5213 Oct. 22



Burl T. Alsop 2417 Oct. 23  
Timothy L. Regan 7241 Oct. 21

### FIVE-YEAR PINS

Oct. 19-25  
W. F. Leverenz, Jr. 2151, Dennis L. Vath 5523, James F. Reed, 5142, James G. Lareau 5221, Brian H. Finley 3151, F. B. Baldonado 2352, Casper L. Doty 2124, James N. Demas 5523, Cappi L. Lynn 2222, Robert H. Thompson 5251  
J. A. Allensworth 5242, Richard A. Miller 2722, Dorothy R. Nolasco 2462, George L. Pacheco 2351, Elfidis Salazar 7231, Augustine Apodaca 2413, Gerald W. VanGundy 2531, Allen S. Buchanan 7421, Grady E. Raybon, Jr. 1611  
Gabriel M. Baca 2351, Price M. Hennen, Jr. 2224, Henry L. Sellers 2152, William F. Stamm 2442, and Roman Garcia 2351

Oct. 26-Nov. 1  
Joseph J. Schauer 2414, John A. Fackelman 2411, Roger G. McKenzie 7231, Daniel J. Alvino 7412, Raymundo P. Garcia 2232, Thelma B. Carpenter 2443, Robert G. Dodge 2232, and James M. Stueber 5223  
William B. Leslie 5524, Ora W. Nairn 2722, Erlinda Duran 2410, and Mary Ruth Jansen 7412.

### TWO-YEAR CERTIFICATES

Oct. 19-25  
Chester L. Janus 2723, Lucille H. Long 2222, Thomas E. Van Zandt 5111, Marie B. Stone 2461, Henry R. Aira 2461, Ray O. O'Neal 5214, Judith R. Klassen 7224.  
Joseph W. Weihe 5124, Myrtle E. Mauldin 7225, Claurys I. Pine 4152, Louis J. Rosnoski 7324, Helen S. Sanchez 2113, Edward S. Grymkoski 2152 and Corinne E. Kriege 7225.  
Oct. 26-Nov. 1  
Clarence R. Mehl 5111, Celso Z. Sanchez 2461, Claude C. Ankeny 7412, John S. Colburn, Jr. 1613, W. E. Lauterbach 2723, Robert F. Patton 1452, Dawn A. Claek 4113, Robert E. Crow 7241, and Constance H. Jones 5241, Doris M. Young 7225, Rozer C. Buehler 1412, Barbara J. Branom 7225, and John F. Byrne 2151.



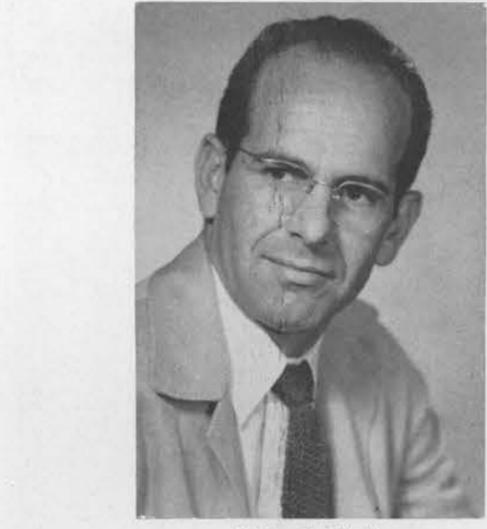
PERSONNEL CONFERENCE of AEC contractors was held in Albuquerque recently. Attending the meeting were representatives of American industry doing work under contract for the Atomic Energy Commission. Above are several who were present: Front row, L to R: Bernard Beeson, Supervisor of Industrial Relation, ACF Industries; R. B. Powell, Superintendent Personnel and Public Relations, Sandia Corporation; T. E. Lane, Superintendent, Industrial Relations, Union Carbide Nuclear Company; and J. V. Young, Personnel Director, LASL. Back row, L to R: J. Pope, Personnel Manager, Bendix Aviation Corp., Kansas City Branch; W. S. Bigelow, Personnel Manager, UCRL; and K. M. Simpson, Manager Professional Personnel, UCRL. They met for two days at the Coronado Club.

Here Are the Hard Working

# 1956 Sandia Corporation United Fund Solicitors

- Captain R. S. Wilson**  
1210  
**Donald Spatz, Squad Leader**  
Robert Bateson, Richard Novaria, Clifford Seivage, Robert Reed, Roman Hever, Bert Neuman.
- William J. Shock, Squad Leader**  
1220  
George Duke, Edward Holderman, Buford Eagan, Gary West, James Ford, Henry Bickelman, Glen Norris, Fernie McEwin.
- Richard Kidd, Jr., Squad Leader**  
1240  
William Morehouse, Robert Pederson, Lew Stam, Clarence Mickey, Gene Morgan, James manweller, John Balaban, Phillip Owens.
- Delfred M. Olson, Squad Leader**  
1260  
Richard Petersen, Oswald Tjeltveed, Louis Bethell, Russell Martin, Merle Hicks, Jerome Johnson, Earl Minor, Harold Barnett, Goebel Davis, William Jemison.
- Richard Othmer, Squad Leader**  
1280  
James Caldwell, Thomas Lane, Robert Rector, Nellis Hill.
- Captain Jack P. Shoup**  
1410  
**E. F. Ingledue, Squad Leader**  
E. L. Lane, B. H. Bueffel, J. K. Williams, W. C. Riggan, N. A. Bourgeois, J. E. Marceau, C. J. Smith, G. P. Kanfield.
- B. J. Bittner, Squad Leader**  
1420  
A. J. Roth, J. F. Dankworth, Lloyd Melick, George Oltman, Dave Mayhew, G. H. Piele, R. W. Searey, Ron Griosc, C. O. Ouwerson.
- J. P. Wakeland, Squad Leader**  
1440  
Richard Ashmore, Lawrence Platt, James Carroll.
- J. M. Hart, Squad Leader**  
1450  
R. A. Roane, R. L. Davis, R. E. Hampy, Peter Bortniak, G. E. Boettcher, K. J. Urquhart, E. D. Machin, T. J. Williams.
- B. L. Basore, Squad Leader**  
1454  
Diane Martin, Marian Solomon, C. R. Alls, C. E. Morgan, W. R. Neilson, R. L. Parker.
- A. B. Church, Squad Leader**  
1460  
G. H. Matvichuk, M. K. Lingenfelter, R. E. Moll, M. G. Oberst, R. O. Murdock, P. J. Langdon, W. M. Sigmon, R. L. Barger, F. H. Viquesney.
- W. G. Levy, Squad Leader**  
1470  
J. P. Rynders, P. H. Moore, P. L. Field, R. A. Randall, D. B. Browning, Leo White, W. G. Polakowski, J. E. Houston.
- Captain F. B. Philipp**  
1612-13  
**J. C. Gravlin, Squad Leader**  
Bill Croff, Larry Woolrich, J. R. Windham, L. D. Hubbard, J. I. Poore.
- B. L. Schmedeman, Squad Leader**  
1621  
D. G. Westfall, L. G. Snyder, P. S. Young, J. A. Barber, H. R. Bowers, C. M. Grassham.
- J. R. Hanna, Squad Leader**  
1621  
W. K. Dolen, L. M. Berry, F. J. Conrad, A. J. Quant, K. E. Helmstadter, G. H. Conrad, Herman Romero, K. W. Drake.
- J. L. Hartley, Squad Leader**  
1651  
F. D. Kite, P. F. Prouly, R. A. Lincoln, Marilyn Franzen.
- Captain W. F. Peay**  
2110-14  
**John Logan, Squad Leader**  
John Roach, Ralph McClure, Virgie Haverty, Billy May, Erwin Smith, Neal Howard, Ruth Hunt, Sam Adkins, Robert Ruttler.
- Harry Lindquist, Squad Leader**  
2115  
George Andrews, June Brooks, O'Donna Gunn, William Rogers, Louise Chavez, Candelario Garcia, Brad Sanders, Flavio Gonzales, Edwin Wahlstrom.
- Charles Becker, Squad Leader**  
2120-21  
Alvarado Torres, Walter Self, Ronald Hatcher, Richard Marquez, Beth Durand, Everett Cowan, Joseph Langdon, Glen Lathrop.
- Leslie Cox, Squad Leader**  
2124  
K. Peterson, Roland Curry, Paul Sumter, Henry Roeder, Charley Bates, Chester Corbin, Felix Hendren.
- N. A. Cordova, Squad Leader**  
2130-31  
Manuel Rico, Pearl Rauch, Everett Click, Clifford Savage, Eloy Barela, Eddy Cooke, W. Robertson, G. L. Dourte.
- Harold Meidal, Squad Leader**  
2132-33  
James Bedeaux, K. W. Campbell, James Ashcraft, Harold Dusing, Henry Schroer, Inez Gay, Dorcas Richey, Richard Petrini, R. C. Jaramillo.
- Frank Anderson, Squad Leader**  
2151-53  
Walter Tillman, Martin Serna, Kenneth Harrington, Jesse Mitchell, Delmar Duffy, W. J. Costales, Stephen Taday, Michael Zownir, Ernest Mares, William Parker, Jacob Young.
- Donald Bunton, Squad Leader**  
2152  
Elmer Pitts, Alva Ayers, Bruno Paoletti, Charles Rettinger, Paul Darrah, Francis Berry, Paul Chavez, T. E. Neubauer, Leo Paxton, Jack Miller.
- C. Paschal, Squad Leader**  
2150-54  
D. Barack, Lewis Carl, G. Spaulding, L. Bowen, C. Wormell, Kyle Williams, Daniel Eaton.
- Captain Andrew Blain**  
2211  
**R. L. King, Squad Leader**  
E. E. Pierce.
- Larry Calahan, Squad Leader**  
2221  
Bernie Clouse, Cynthia Gaunt, Henry Roy, Margaret Platt.
- M. J. Snyder, Squad Leader**  
2222-25  
Ken Smith, Betty Rachowski, Maxine Kingery, Vitalia Salas.
- Sam DeHaan, Squad Leader**  
2223  
Preme Ulibarri, R. C. Garcia, M. P. Ungerman.
- Marilyn Tillar, Squad Leader**  
2224  
Elsie Sandy.
- J. M. Kelly, Squad Leader**  
2231  
Elizabeth Davis, Paul Vandenberg, Bruna Cesaretti, Wilma Archbold, Robert Edwards, David Gonzales, Fred Callahan.
- R. G. Dodge, Squad Leader**  
2232  
Ernest Santillanes, E. W. Starr, L. F. DeSmet, Joe Chavira, Marion Scott, B. S. Jaramillo, Pedro Gallegos, Willie Montoya, Gustav Kleindist.
- H. E. Kindschi, Squad Leader**  
2234  
W. B. Eskridge, R. E. Lovato, Frank Vest.
- J. J. Chavez, Squad Leader**  
2235  
H. G. Cherb.
- Captain W. B. Russell**  
2331  
**R. G. Bowers, Squad Leader**  
J. A. Deveneau, H. J. Brown, B. G. West, J. H. Hann.
- F. A. Baczek, Squad Leader**  
2352  
Joanne Reese, Luther Martinez, Felix Gabaldon, Oliveras Gallegos, Ferafico Carrilo.
- C. M. Dixon, Squad Leader**  
2353  
Maxine Metz, Melba Sue Peters, Larry Chavez, Alsid LaMoris, Joe Seiler, Dutch Benedict.
- H. C. Strauss, Squad Leader**  
2341  
Jo Munyo, Marie Luna, Corliss Fenimore, Ed Willett, Ed Herrity, Nita Qualtrough, Amy White.
- Oleta Morris, Squad Leader**  
2333  
Dorothy Case, Betty Sherred, Lola Longenbaugh, R. W. Angus.
- Captain H. M. Roberson**  
2410  
**Shirley Gibbs, Squad Leader**  
2411  
Vaun Atkins, Squad Leader  
Levi Baca, Salvador Armijo, Paul Begin, J. O. Odle, Walter R. Eden, Joy Lewing, Charles Davis, Donald Underwood.
- Marcus Peoples, Squad Leader**  
2412-15  
Andres Landovaza, Fonzo Cossell, James Anderson, Ramon Lucero, Frank Ridlon, Clifford Pecha, Jose Sena, Frank Lesperance, Hadley Rowe, Herbert Brown, Victor Padilla, Biliardo Sedillo, Antonio Mata, Kenneth Reynolds, Felix Padila.
- Jose Armijo, Squad Leader**  
2414  
Wilfred Sanchez, Mike Bucklin, Charles Litz, John Hatcher, James Knott.
- Guy Jones, Squad Leader**  
2417  
Nicanor Gonzales, Alfredo Fernandez, Miguel Martinez, Alfred Montoya, Joe Trujillo, Abel Lovato, R. W. Hartenberger, Jesse Floyd, Warren Arthur, Harry Clay.
- Malcolm Ward, Squad Leader**  
2418  
Ramon Martinez, Benjamin Armijo, Charles Alderman, Harold Neuhaus.
- George Edwards, Squad Leader**  
2419  
Ernesto Martinez, Patricio Lerma, Jesus Armijo, Raymond Snyder, Harry Martin, Frank Suazo, Allie Whitmore, Willie Montano, Andy Moller, James McDowell.
- Captain A. E. Jones**  
2461  
**Jane Dancy, Squad Leader**  
Phoebe Chavez, Geraldine Rehkop, Gloria Sannella, Dale Laudes, Charlene Boatright, Johnny Chavez.
- Oreste Ganzler, Jr., Squad Leader**  
2463  
George Canton, Eldon Pratt, Joe Mikey, Elmer Kiekhaefer, Ronald Covert.
- Dee Fenstermacher, Squad Leader**  
2462  
Leota Beller, Marie Thompson, Dick Hodges.
- Naomi Wynant, Squad Leader**  
2464  
Irene Timmons, Florence Fisher, Dona Volkman.
- Hazel Smeltzer, Squad Leader**  
2462  
Hildegard Fink, Cid Dalin.
- Captain A. M. Lambert**  
2472  
**F. H. Vishaway, Squad Leader**  
Mario Otero, Frank Chavez, Miguel Montoya.
- Bernard J. Meyer, Squad Leader**  
2442  
Ray Harrison, Henry Muculeski, K. E. Finders, N. C. Lowe.
- E. C. Moser, Squad Leader**  
2451  
**Captain P. W. Callies**  
2522  
**E. C. Domme, Squad Leader**  
D. R. Gomez, Sue Baggett, Jim Robertson, Pat Metzler, Al Kapina.
- R. K. Fries, Squad Leader**  
2531  
H. S. Bluestein, W. F. Stinnett, D. E. Alberts, R. S. Fox, E. V. Kubiak, F. L. King, Francis Vogel.
- D. C. Robertson, Squad Leader**  
2541  
W. H. Barber, Bernard Stiefeld, T. O. Meyer, D. S. McAlexander, F. J. Villa, John Tarpley, James Baudet, J. A. Larson, Julio Pardo, P. H. Wallack.
- K. H. Zimmerman, Squad Leader**  
2551  
Harold Houts, Tom Stone, Keith Russell, Simeon Teisher, Alden Luhrs, Robert Harley, Dan Grim, Henry Durringer, Lou Pinger, Mary Newton, Joyce Becks, Ili Silva, Bobby Jo Olsen, Gene Miller, Neal Branson, Bob Silva.
- Captain, A. L. Thornton**  
**Arthur E. Ashcraft, Squad Leader**  
Ormand Williams, Jesus M. Luna, Ora Nairn, Robert McDermott, Harold Thomas.
- Le Moyne Browning, Squad Leader**  
2721  
Lillian Sandin, Martin Hansen, Owen Higgins, Arthur Finlayson, Nyrah Marchant, Winfred Bergsten, Edith Irwin, Pablo Garcia, Paul Scates.
- Lloyd Keller, Squad Leader**  
2731  
Emily Coris, Daniel Sheldon, John Westbrook, L. J. Underwood, Amy Kahoiwai, Hurston J. Adkins, Robert Burrows, Wilbur Henry, Benjamin Gardner, Mrs. Pilar Llamas, Florian Richert, Chester Laskowski.
- James W. Pinkerton, Squad Leader**  
2721  
George Revels, Roque Feliciano, Joe Ozmina, Jose Asturias, Dorothy Reinertsen, Wendell Gillette.
- Harold V. Riley, Squad Leader**  
2711  
Mary Flanagan, Lyle Daimond, J. W. Windsor, George Pasko, Elizabeth Matlock, Robert Crawford, George Chaffee, John W. Cooper, Owen Lockwood.
- Captain S. M. Krell**  
3150  
**R. F. Utter, Squad Leader**  
J. N. Timmons, Dan McCarthy, Joe Danclovic, Connie Stepulis, J. R. Garcia, Margaret Goering, Mollie Miller, Darrell Brown, Elinor Coberly, Bernice Sanders, C. J. Puglisi, Mary Sherman.
- R. A. Knudson, Squad Leader**  
3120-60  
R. A. Quelle, Tom Zudick, D. R. McGiboney, Jane Powell, Pat Scroggins, R. W. Heim.
- C. E. Jordan, Squad Leader**  
3200-6000  
R. M. Betz, Mary Schwartz, Frank Martin, M. W. Tippy, E. F. Armuburst, E. C. Peterson.
- Captain D. E. Irvin**  
4110-4160  
**B. B. Asher, Squad Leader**  
H. L. Brint, C. B. Inberg, C. A. Scholey, T. R. Gourd, C. C. Rounds.
- R. W. Foster, Squad Leader**  
4120  
M. D. Hodge, W. B. Norwood, Jr.
- Mrs. B. K. Duke, Squad Leader**  
4130  
Ruth M. Simpson, Lois A. Swayze, Jeanette Plakovic, Annette Crays, Pat DiDomenico, M-lba Humphrey, Ruth Acher, M. S. Chaves, Helen Olson.
- E. H. Simonson, Squad Leader**  
4150  
Dorothy Wright, G. K. Carmichael, Helen Anderson, F. J. Tufts, Ethel Peterson, Myron Barnes.
- B. E. Hickerson, Squad Leader**  
7300  
J. A. Chacon, Leroy Hassbrook, J. C. Conant, W. B. Ballard, B. O. Shaw, K. L. Wiley, J. F. McGriff.
- Captain W. D. Wood**  
5111  
**Maynard Cowan, Squad Leader**  
Irma Buffett, Clarence Muhl, T. A. Vance, H. H. Sander, W. R. Parrett.
- Max Weber, Squad Leader**  
5120  
H. A. Colvin, J. M. Ortega, M. K. Weston, R. C. Hildner, Stoughton Bell, A. W. Shiver, M. L. Hendricks, Helen Tuttle.
- W. E. Taylor, Squad Leader**  
5131  
Helen Tolmie, R. R. Berner, F. W. Neilson, Frances Hayes.
- T. Blanchard, Squad Leader**  
5141  
Don Matejka, Sam McAless, Joseph Crompton, K. F. Crowder, W. T. Botner.
- Mark Elich, Squad Leader**  
7113  
Ed Harley.
- E. E. George, Squad Leader**  
7122  
Arlene Armbruster, Anna R. Beam, J. Coughlin, Don Hosterman, Robert Morrow, Robert Petrone, Bernard York.
- G. M. Reed, Squad Leader**  
7132  
**Captain R. D. Statler**  
5210  
**A. E. Bentz, Squad Leader**  
G. W. Duffield, C. J. Nissen, H. T. Turner, A. J. Canute, E. W. Fisher, J. S. Kurzovich, G. A. Abeyta, J. M. Allen, W. M. Snyder, A. F. Fink, K. V. Nixon, V. A. Harris, M. A. Palmer.
- R. S. Millican, Squad Leader**  
5220  
C. A. Koontz, H. L. Pike, J. T. Lannon, L. N. Minnear, W. S. Connelly, R. L. Von Eschen, R. P. McCann, C. M. Long, L. J. Witt, J. M. Stueber.
- G. W. Rolloson, Squad Leader**  
5230  
R. W. Frame, A. D. Thornborough, W. A. Gustafson.
- T. J. Raftery, Squad Leader**  
5240  
Evelyn Ricard, J. L. Martinez, C. M. Clendenin, J. L. Tischhauser, L. J. Keck.
- A. A. Young, Squad Leader**  
5250  
E. E. Wood, R. V. Peet, C. F. Sish, I. D. Hamilton.
- Captain A. E. Clamp**  
5510  
**Jean LaPaz, Squad Leader**  
P. H. Bircher, C. M. Littleton, E. E. Ard, Nancy Bercaw, C. R. Balistrere, Argelee Burnett, Mrs. A. E. McCullough, E. L. Roper, J. E. Davidson.
- R. W. Whitson, Squad Leader**  
5520  
J. F. Russell, J. J. Platt, A. R. Elwel, S. O. Lewis, E. B. Frame, E. H. Pratt, J. R. Collier, C. L. Leemhuis, W. H. Buckalew, L. L. Flores, S. H. Wagner, R. D. Christopher.
- J. H. Lindell, Squad Leader**  
5530  
F. K. McKesson, R. M. Elder, D. G. Piper, F. F. Francis, D. E. Rauch, Lucille Burch, A. E. Randall.
- Captain H. M. Willis**  
7210  
**L. E. Cole, Squad Leader**  
Gordon Miller, Frances Rinn, Paul Kirby, Barbara Wheelock, Al Schoenberg.
- Henry Holmberg, Squad Leader**  
7221-24  
Eileen Taylor, Alice Olivieri, L. Ann Ross, Felix Almaraz, Sue Alan.
- W. H. Puder, Squad Leader**  
7222-23  
James March, Jeannie Naughton, Charlotte Farrenberg, Ann Petti, William Carstens.
- E. J. Newfield, Squad Leader**  
7231  
C. V. Rathbun, H. V. Lewis, Elden Prawitz, Arlington Perkins, K. W. Vally, Helen Kluever, Jacob Sandoval.
- W. G. Padilla, Squad Leader**  
7232  
Adam Trujillo, Richard Calahan, Alex Griego, Phyllis Gruver, David Sample, Loraine Cook.
- Leo P. Apodaca, Squad Leader**  
7240  
Carmel Mares, Orlando Ulivarri, Ken Kerns, Joellyn Vandock, Joe Duran, Benny Garcia, Jenny Rowlison.
- Captain M. K. Linn**  
7221  
**R. J. Guerin, Squad Leader**  
Dorothy Willis, George Blea, David Smith, Richard Brian, Marylee Adams, Ann Connelly, Conrad Pickets, Willie Freed, Jose Chacon, Beatrice Kenagy.
- D. R. Weldon, Squad Leader**  
7225  
Joan Blodgett, Shirley Hicks, Shirley Brassfield, Emily Whittingham, Muriel Denison, Doris Young, Betty Jo Morrow, Dorothy Braasch, Faith Vincent, Joan Fullerton.
- Dorothy Belmore, Squad Leader**  
7223  
Elizabeth Ames, Norma Brewster, Wyona Durham, Gloria Garcia, Dorothy Holloman, Johnnie Johnson, Cleo Martinez, Gloria McGinnis, Faith Vincent, Sylvia Weinberg.
- Charlotte Morter, Squad Leader**  
7225  
Ann Barrett, Opal Tenbrink, Mary Placek, Ann Morrow, Dana Tucker, Marybelle Arnold, Daphne Tripp, Alberta Corkan, Doris Cole, Mary Snodgrass.
- John C. Leslie, Squad Leader**  
7223  
H. B. Evans, Mrs. Z. M. Hamm, R. M. Chesnut, C. E. Sandy, E. S. Phinne, E. R. Burke, J. K. Green, W. F. Boyes, Mildred Knight, R. L. Davis.
- Captain D. J. Yarbrough**  
7421  
**E. P. Wolff, Squad Leader**  
E. C. Carpenter, L. A. Daily, Norma Goodwin, Margaret Grover, A. A. Ruckus, Beverly Strauch, Mrs. E. M. Wallace.
- George B. Roberts, Squad Leader**  
7420  
John Olson, R. C. Jackson, Mrs. J. R. Wade, D. E. Fitchhorn, Mrs. M. P. Ramirez, C. W. Gibbs.
- C. O. Padilla, Squad Leader**  
7411  
J. Suknot, Jr., E. S. Moore, M. Sollecito, G. L. French, P. A. Liguori, H. J. Rouckus, Mrs. M. A. Mansour.
- W. W. Hunt, Squad Leader**  
7412  
D. J. Alvino, Eric Steinig, Floyd Stake, Wally Hansen, Phil Parks, Bob Bailey, Ted Blaze.
- Sherrill Woodal, Squad Leader**  
7412  
B. J. Mechenbier, J. C. McCrory, Art Huchmala, G. A. Wank, Jr., V. D. Melillo, D. N. Cox, C. H. Meyer.

## Labor Leaders Endorse 1956 United Fund Drive



Peter J. Cook

Office Employees International Union  
Local 251 A.F. of L.  
Albuquerque, New Mexico

K. W. Erickson, Chairman  
Sandia Employees United Fund Campaign  
Sandia Corporation

Once a year we at Sandia are reminded by the United Fund drive of our fellow citizens in Albuquerque who are less fortunate than we and we are asked to contribute to their welfare.

I am pleased to add my personal support and the support of local O.E.I.U. No. 251 to the United Fund drive. I wish to urge all who are employed in our unit to support this very worthy cause.

Peter J. Cook  
Vice President  
O.E.I.U. Local 251



Robert L. Byrd

International Guards Union of America  
Local No. 27  
Albuquerque, New Mexico

K. W. Erickson, Chairman  
Sandia Employees United Fund Campaign  
Sandia Corporation

All of the members of Local 27, International Guards Union of America, know of the good which is done in the city of Albuquerque through the Community Chest. This year the executive committee is recommending that every member contribute to this worthy community benefit by giving to the United Fund.

Very Sincerely,  
Robert L. Byrd, President  
Local 27, I. G. U. A.



William F. Leverenz, Jr.

Atomic Project and Production Workers  
Metal Trades Council  
Albuquerque, New Mexico

K. W. Erickson, Chairman  
Sandia Employees United Fund Drive  
Sandia Corporation

The Metal Trades Council has been asked to participate in the forthcoming Community Chest Drive.

As President of your Metal Trades Council, I would like to say we are happy to be able to participate in this worthy community service, and I strongly urge each and every member of our Council to co-operate by giving generously of your time and money.

In this way we, as members of this Labor Organization, can point with pride that we are doing our share to build a better community for our fellow Americans.

Once again, I strongly urge you to give generously and out-shine our record of last year.

W. F. Leverenz, Jr., President  
Metal Trades Council  
AFL-CIO



**MATHEMATICIANS** with higher degrees of education are needed by Sandia Corporation. Important positions are waiting in research, development and testing. If you know someone who is qualified contact Employee Referral Program, G. Elliott, ext. 20151.

### Car Owners Responsible for Removal Of Base Decal When Auto Is Sold

Sandia Base windshield decals should be removed before a car is disposed of, the Provost Marshal reminds Sandia Corporation employees.

The employee must either re-

port to the Provost Marshal's office for removal of the decal, or remove the decal himself, record the number and furnish the Provost Marshal's office with a signed certificate as evidence of destruction.

Certificates may be obtained at the Provost Marshal's office or through Employee Services, 3122, Bldg. 829.

All terminating employees who have vehicles registered on Sandia Base are to clear with the Provost Marshal's office on the day of termination. Registration will be terminated and the decal or tag removed from the vehicle.

The Employee Processing Section, 3153-2, will obtain a signed certificate from those employees who are unable to clear with the Provost Marshal's office on the day of termination.

### Family Night Movie At Coronado Club Has Extra Feature

An added attraction to the regular Family Night movie at the Coronado Club, Sunday, Oct. 28, will be a film entitled "Arctic Mission." It tells the story of Western Electric's DEW-line, the Distant Early Warning radar field that stretches across the arctic.

"Saddle Tramp" starring Joel McCrea and Wanda Hendrix is the regular feature for the evening. Show time is 6:30 p.m.

### Fire Destroys \$20,000 Worth of Electronic Equipment at Sandia

A committee is investigating the cause of a fire in electronic equipment which caused about \$20,000 damage at Sandia Corporation Oct. 9.

The blaze broke out in a laboratory operated by the Electronic Component Development Department, 1450, in Rm. 254 of Bldg. 802. The Sandia Base Fire Department was summoned by an automatic warning device at 2:14 a.m. and remained on the scene until about 5 a.m.

Starting in a capacitor life tester, the fire spread to other electronic equipment nearby, but did not extend beyond the laboratory room due to the fire-resistant construction of the building.

### Sandians Repair Oak Ridge Exhibit Damaged by Wind

The "Atoms For Peace" display shown at the New Mexico State Fair appeared on schedule in El Paso, Tex., Oct. 13 thanks to a quick repair job by men in the Sheet Metal Section of the Specialties Department, 2120.

The display, which came from Oak Ridge National Laboratory, was victim of strong winds the closing day of the fair. Tubular frames were damaged and other parts of the exhibit twisted when a sudden gust of wind blew down the display in the unfinished coliseum.

Those from 2124-3 doing the repair job were John Blythe, J. V. Hopper, R. A. Vermillion and B. C. Brown, supervisor.

### Ben Carroll to Present Technical Paper Before Bell Labs Conference

Ben Carroll, 1621-3, will present a technical paper at the General Casting Resin Conference at the Bell Telephone Laboratories, Murray Hill, N. J., on Oct. 17-18.

"Epoxy Resins—A Discussion of Curing Systems" is the title of the paper. The paper summarizes work done in Sandia Corporation's Materials Laboratory.



**TROPHY WINNERS** of the 1400 golf tournament are shown here receiving their awards from L. A. Hopkins, Jr., Director of Component Development, 1400. First place Gino Carli, 1442, is at the left and second place LeRoy Hansen, 1471, right. The tournament was held recently at the University of New Mexico golf course.

### Carli, Hansen, Barnum Win Top Honors In 1400 Golf Tournament

Gino Carli, 1442, earned the top trophy for his low net score during the 1400 organization's golf tournament recently. The tournament drew 53 contestants and was held at the University golf course.

LeRoy Hansen, 1471, won second prize in the low net category and John Barnum, 1472, took third place.

Two military liaison officers—Charles Roundtree and Art Sibold—placed first and second in low gross scores and Clair Hicks, 1444, placed third.

Department 1470 fielded a 17-man team in the tournament and was presented the team trophy for low team score. The trophy,

inaugurated this year, will be presented annually to the best team of the 1400 golf tournament.

Lee Hogue, 1433, and Ralph Roane, 1453, accepted the "Duffer's Cup" for their high gross scores.

### Delivers Paper Before Shielding Symposium At Radiological Lab

C. R. Mehl, 5111, will present a technical paper at a meeting of the Shielding Symposium, U. S. Naval Radiological Defense Laboratory, this week in San Francisco, Calif.

The paper will discuss a study recently completed by Sandia Corporation on the propagation of neutron flux through a homogeneous atmosphere.

### Radio Club Meets

The Sandia Base Radio Club will meet Monday, Oct. 22, at 8 p.m. in Bldg. T-319 on Sandia Base. Delbert R. Oehme, KCGM-TV engineer, will present a talk entitled "Transistorized Portable Equipment for the 10-meter Amateur Band."

**SHOPPING CENTER**

**SHOPPING CENTER**

**SHOPPING CENTER**

**SHOPPING CENTER**

**SHOPPING CENTER**

**CLASSIFIED ADVERTISING**

Deadline: Friday noon prior to week of publication.

**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

Next Deadline: Noon, Oct. 26

**FOR SALE**

- RANGE—Philco Electric, 30" Deluxe Cleveland. Ext. 45269.
- BEDSTEAD, maple finished hard wood, used 6 mos. \$15. Tidwell, 3238A A St. Sandia Base, ext. 3-1277.
- DINING ROOM SUITE, limed oak, with buffet and hutch. Muchow, Alb. 9-1813.
- 2 BR HOUSE, w/carport and workshop, wired for 220v. Dawirs, 2846 Hermosa Dr. NE. Alb. 6-6452.
- '51 CADILLAC, 4 dr. Saunders, Alb. 2-1314.
- ELECTRIC RANGE, full size G. E. w/clock, light, automatic oven, child-safe controls. \$85. Rhodes, Alb. 5-4609.
- BOOKCASE HEADBOARD, 54 in., unfinished. \$10. Westinghouse electric roaster, \$20. Luckett, Alb. 6-2346 after 5:30.
- '50 CHEVROLET, 2 dr. Deluxe, overhaul, new rings, needs some body work. \$175. Redburn, ext. 26242.
- TELEVISION CONSOLE, clear picture, dark mahogany cabinet, \$30. Weber, Sandia Ext. 4-1275. 3226 34th St.
- BUNK BED, blond oak w/mattress. \$25. Pepper, Alb. 9-2459 after 5:30 p. m.

- IRISH SETTER, Registered, male-18 mos., good health, all shots, \$35. Asher, Alb. 9-1668.
- MOUNTAIN PROPERTY, just off Rte. 66, 12 miles from town. Pope, Alb. 5-6702.
- MACHINIST TOOLS, inside, outside and depth micrometers, Dietzen drawing set, etc. Friend, Alb. 9-1679.
- '51 NASH RAMBLER Station Wagon or '50 Jeepster. Stoner, Alb. 6-0704.
- MOTORCYCLE, '50 Harley Davidson Model 74, Fully equipped, \$375. Krzykowski, Alb. 5-1991.
- ELECTRIC IRONER, "Easy", \$75. Will deliver in Alb. Long, Alb. 9-1986 after 5 p. m.
- JACKET, pinwale corduroy, maroon, boys size 12, \$8. Inner spring mattress, \$5. Millard, Alb. 9-2039.
- RIFLE SIGHT—Lyman 48 WJS micrometer receiver sight (peep). Fits Winchester 70, 54 Remington 721, \$7. Westman, Alb. 5-6048.
- WINCHESTER model 94 carbine 30-30, \$60. Colvard, Alb. 3-9751 after 5 p.m.
- MEMBERSHIP in Crossroads Flying Club. \$375. Two tri-pacers, one 1956 model, licensed pilots only. Gowdey, Alb. 3-8216.
- WASHER, semi-automatic wringer type w/rinse tubs, \$25. Dodd, Alb. 9-3924.
- YOUTH BED, \$20. Davis, Alb. 9-2605.
- '49 PLYMOUTH STATION WAGON, w/'53 Dodge motor, body all steel. \$400. Davis, Alb. 9-3217.
- CAMERA, Argus C-3 w/case & flashgun, \$30. Edgar, Alb. 5-9070.
- REFRIGERATOR, '52 Coldspot, 10 cu. ft. Watson, 402 Chama NE, Alb. 5-9649.
- GEIGER COUNTER, detection model DG-7, new batteries, rock hammer, maps, samples, \$99. Mayhew, ext. 23196 after 5.
- '50 MOTORCYCLE, Harley Davidson 45, engine overhauled, new buddy seat, \$300. Connolly, Alb. 2-6008 after 5:30 p. m.
- TELEVISION, 17" Blond Console, Motorola, \$70. Bird cage w/stand, \$10. Findlay, Alb. 9-5422.

- '56 SUPER 88 OLDSMOBILE, hardtop, two-tone, all accessories, cared for by Gales, \$2550. Orwick, 2912 San Pedro, Alb. 5-5126.
- TELEVISION, 17" Dumont, Blond. Davis, Alb. 9-0472.
- VACUUM CLEANER, Royal Upright, best offer takes. Martin, Alb. 6-6785.
- DEER RIFLE, 30-40 Krag w/bishop stock, Lyman sights, sling and case. \$50, Laskar, Alb. 9-1024.
- FRIGIDAIRE, 6-Ft.; Hardwicke Apt. Size; Range, reasonable. Poindexter, Alb. 1-9444.
- '53 FORD V/8 4-dr Customline, RH, overdrive, dual manifold, tinted glass, underseal, \$850. Brewster, Alb. 6-0759.
- 2 BR "COLOROCK" HOME, Princess Jeanne Park, electric stove, refrigerator, washer, garbage disposal, \$1500 or terms for equity. Montgomery, Alb. 9-3277 after 5:30.
- TABLE LAMPS, two 34-in. wrought gold, \$10 ea. 34-in. green, \$8. Colonial \$4. Dusek, Alb. 6-9388.
- BICYCLE, Men's deluxe English 3 speed. New Condition. \$39.50. Sisler, 3157 44th Place, Ext. 25173.
- 2 BR HOFFMAN HOME, walled back yd, wall-to-wall carpeting throughout, lawn trees, shrubs. Minor, Alb. 9-2267.
- ELECTRIC RANGE, RCA Estate 30", \$125., 9.3' Refrigerator, \$50., Hodyke, Alb. 6-5210 after 5:30 p.m.
- HI-FI PHONOGRAPH console, RCA, dark mahogany cabinet 2 speakers, 3-speed changer, 2 yrs. old. \$150. Scotten, Alb. 6-5885.
- PING PONG TABLE, regulation size complete with ping pong set, \$20. size 7 1/2 ladies Chicago rink shoe skates, \$12.50. Everett, Alb. 6-2642.
- LAMPS, green; coffee tables; end tables; 3 orientals; vases; pictures; 3 carpets; gray-blue dinette; outdoor grill. Litha, Alb. 9-4348.
- FUR COAT, 8 stripe sheared beaver, 3/4 length, size 14, appraised at local furriers for \$800, asking \$350. Lyon, Alb. 9-0183.

- WASHING MACHINE, Thor automatic; Schwinn Panther bicycle. Balaban, Alb. 9-2452.
- BED DIVAN, dark green. \$80. Sheaffer, Alb. 5-9473 after 5:30.
- '56 PLYMOUTH BELVEDERE 187 HP. 4 dr. Sedan, sportone, power brakes, power flite, RH, one owner, \$2200, Shock, ext. 34194.
- '56 OLDSMOBILE 88 Holiday, 4-dr hardtop, RH, hynamatic, power brakes, '98" engine, low mileage, \$2995. Shew, ext. 32234.
- LARGE G.E. refrigerator and dish washer. In excellent condition. Phone Alb. 2-4617.
- WANTED**
- RIDE from corner of Coal and Pine to vicinity of Personnel Bldg. Yenny, Alb. 7-8662.
- RIDE from vicinity 15th St. and Mountain Rd. to Bldg. 802. Carmen Garcia, Alb. 2-1291 after 6 p. m.
- BABY SITTING, evenings, will drive at no extra charge. Will care for child 3-4 on weekly basis. Corney, Alb. 5-1490.
- DRIVERS to join car pool from Princess Jeanne Park to Bldg. 802. Sargent, ext. 48148.
- RIDE with woman from the vicinity of Wyoming and Mountain Rd., NE to Bldg. 887. Jean Simpson, ext. 3-3251.
- RIDE vicinity Menaul and San Mateo to Bldg. 802. Spriggs, Alb. 6-3644.
- RIDE or join car pool from vicinity of Rio Grande Blvd. & West Central to Bldg. 880/892. Silva, Alb. 2-1419.
- RIDE from 1737 N. Byrn Mawr Drive to Bldg. 894. Marylyn Yoder, ext. 33141.
- TO MATE MALE miniature French Poodle for puppy. Color, blue. Registered w/American and British Kennel Club. Robertson, Alb. 5-6942.
- BOWLING BALL and bag returned that were loaned earlier this year, Bales, ext. 53159.

- RIDERS to join car pool, vicinity Constitution & San Pedro NE-Gate 1, opening for 2 driving members. LeClaire, Alb. 6-4121 after 5:30.
- RIDE from 3000 block Second St. NW to vicinity Bldg. 840. Romero, ext. 47255.
- DRIVERS to join car pool from Cuervo-Aztec Area to Bldg. 880. Stravanski, Alb. 6-0243.
- RIDE from vicinity Wyoming and Constitution NE to Bldg. 880. Jeannine Finley, Alb. 9-1942.
- RIDE from 1826 Solano Drive NE to Gate 7. Jeanne Simmons, Alb. 4-7241.
- DRIVERS to join car pool from Bridge and Five Points Rd SW or Beverly and Goff SW to Gate 7. Lopez, Alb. 3-8550.
- 8 MM FILMS, Cartoons or comedies. Lopez, ext. 43149.
- DRIVERS to join car pool from Ivey area to 880 parking lot. Scranton, Alb. 9-5720 or McCullar, Alb. 9-0638.
- RIDE from 5409 Marble NE to Bldg. 802. Shieler, Alb. 6-9587.
- BUTANE or Kerosene heater, 35,000 BTU if possible. Mastin, Box 53, Tijeras, N.M.
- RIDE from Menaul & Britt NE to Bldg. 880. Davis, Alb. 9-0472.
- RIDE from 8704 Phoenix NE to Bldg. 840 or join car pool. Mildred Smith, Alb. 9-0280.
- FOR RENT**
- WOMEN'S DORMITORY ROOMS, furnished kitchen, laundry facilities; linen, maid service; television; walking distance to work. \$45/mo. Base Housing Office, 2-1154.
- HOUSE TRAILER, 30 ft. 18x36 ft. cement slab, also enclosure 10x26. 1341 Entrada Dr. SW. Osborne, Alb. 9-4363 after 5 p. m.
- ROOM for a congenial woman, kitchen privileges or meals if desired. Elsea, Alb. 6-2109 or Alb. 9-1872.
- 2 BR COUNTRY HOME, modern, w/4 acres of land located 12 mi. south of Belen. Reasonable. Chavez, Alb. 9-2392 after 5.

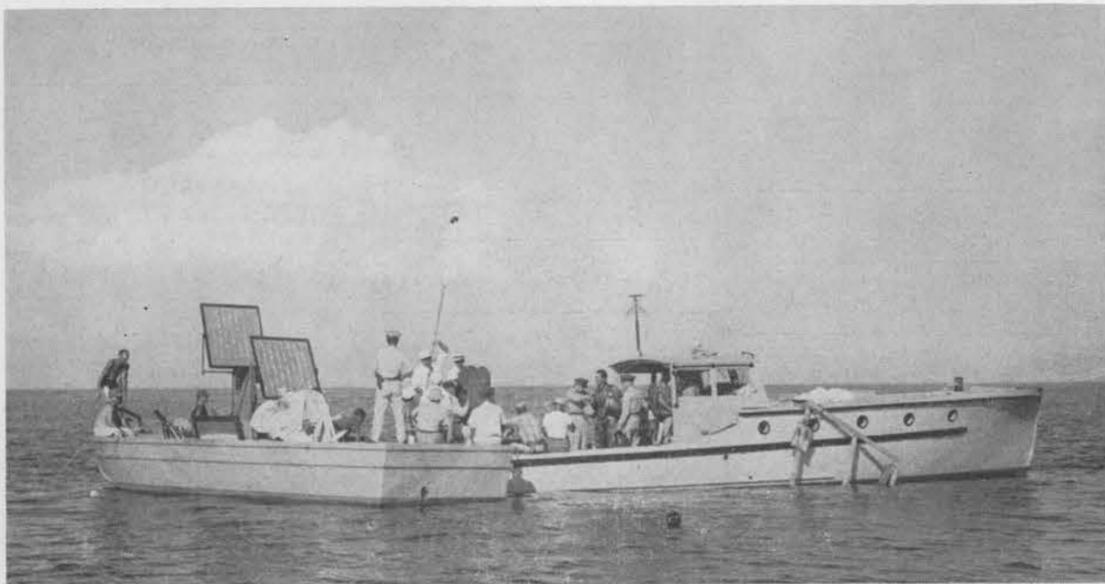
## Movie Unit at Salton Sea Shoots 'Bailout at 43,000'



ACTOR JOHN PAYNE (left) gets "suited up" before one scene. Salton Sea Test Base dock was used as there was no other facility on the west shoreline suitable for handling the Navy boats. Corporation security guards, under the supervision of Harry Schnarr, 2481-1, escorted the movie crew through the Salton Sea Base.



BEFORE ACTION SHOT actors John Payne (extreme left) and Paul Kelly (standing second from right) get briefed on the film sequence. Navy boats took the Hollywood crew about a quarter-mile into the sea for the scenes. Sandia guards escorted them.



HOLLYWOOD CAME to Salton Sea Oct. 1 and 2 when Pine-Thomas Productions used the large body of water in Southern California for a scene in its new movie "Bailout at 43,000." The film on the Air Force will be released through United Artists. The producer brought along 41 people, including actors, technicians and assistants as well as cameras and sound equipment. The large square screens on easels in this photo are used to deflect the rays of the sun and water reflections for better outdoor lighting.

## Electronic Analog Computer Substitute for Physical Tests

There's a "brave new world" electronic computer in the Mathematical Services Division, 5242, which saves Uncle Sam money. Under the skilled direction of programmers this analog computer can simulate the fall of a missile from an airplane to the target area below.

There's no airplane, no Air Force crew, no tracking cameras, no ballistic shape in the test. There's only the computer into which is fed information on weight, velocity, altitude and other factors. The device will predict the movement of the object and show its trajectory including all gyrations of roll, pitch and yaw in the hypothetical plunge to the earth.

That is one example of the machine's myriad uses. Although it is not capable of adding columns of figures or making statistical analyses, it is invaluable in performing research in physical devices.

### Avoids Trial, Error

Because it is possible to rig the computer in such a way that it behaves electrically almost like the device being investigated, much of the trial and error of building and testing nuclear weapons and components can be eliminated. Testing time is cut from months to days.

The analog computer system of the Mathematical Services Division is actually composed of two computers, each equipped with a multi-colored patch board and control panel. This portion of the system is flanked by various auxiliary equipment.

It takes about two days to prepare the problem for the machine. The programmer has to translate the information provided him into a wiring diagram. After the machine has "received its instructions" the problem will probably be solved in a matter of seconds.

### Investment Pays

"The entire system represents an investment of about \$200,000," says Hank Schutzberger, division supervisor.

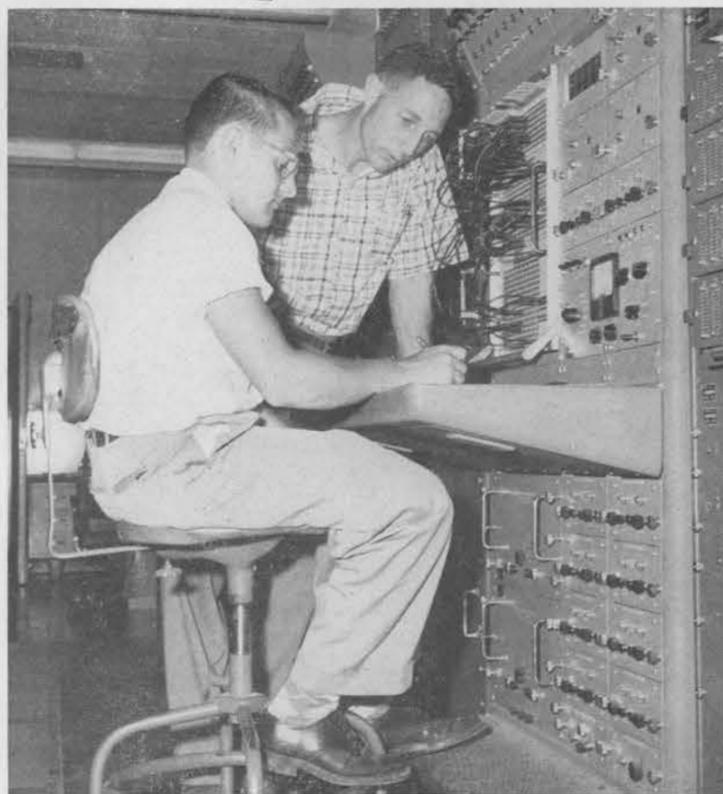
However he points out that the time it has saved and the information it has made available have made it an invaluable piece of equipment.

The analog computer will complete a job in a matter of hours, but it would take a skilled mathematician with a desk calculator months to do the same problem.

The Sandia Lab News of July 13 described 5242's Elecom computer, a digital computer.

Mr. Schutzberger explains the difference between the digital and analog computer thus:

"A digital computer works in separate steps to solve a problem in numerical form such as a desk calculator would do. The analog computer uses a continuous process and presents a solution in



CONTROL PANEL of the analog computer is a maze of knobs, dials, gauges, and patch cords. Here programmers Eugene Aronson (left) and Bob Crabb, both of 5242, go over a problem to be fed into the machine. They can expect the answer in 20 seconds.

graphic form—such as in the case of a slide rule.

"In short," he says, "a digital computer counts and an analog computer measures."

### Four Programmers

Four staff members are assigned to programming for the analog computer: Frank O. Lane, Jr., who has a master's degree in mathematics; Fred V. Wyatt, master's degree in physics; Rob-

ert P. Crabb, master's degree in mathematics; and Eugene A. Aronson, bachelor's degree in mathematics. Len E. Mahuron is section supervisor.

The computer's principal use lies in engineering and research. For this reason the Mathematical Services Division has as its "customers" research, design, development and testing organizations in Sandia Corporation.

## 160 Sandians Studying Under New Educational Aids Program at UNM

A total of 160 Sandia Corporation employees have been approved for 50 per cent refund of the tuition cost for University of New Mexico courses under Sandia's new Educational Aids Program.

Courses being studied by these employees are closely related with the work they are doing at Sandia Corporation and are selected to help them better perform their duties.

In cases where desired courses are not available during off-hours, the program allows time off the job with pay providing the time off is contiguous with the lunch hour or at the beginning or end of the work day.

Of the 160 students approved for the program, 117 are doing work for a Master's degree, four for a PhD, nine are taking prerequisites for graduate work, and 30 are taking miscellaneous graduate courses.

Electrical engineering is the most popular subject among the Sandians. A total of 64 are taking courses in this field. Twenty-seven are enrolled in mathematics courses, 23 in mechanical engineering, 18 in business administration, six in physics, four in civil engineering, and 28 in miscellaneous fields.

Sandians are taking a total of 614 credit hours, an average of 3.8 hours per student.

Total of the tuition cost for the fall semester to be refunded to the students is \$3,450. In addition the Corporation will pay the University of New Mexico \$6,900.

This payment is to help the University of New Mexico offer courses of value to Sandia Corporation employees — courses which will help the employee in making a greater contribution to the Corporation's task.

### PhD Thesis Provides Material for Paper

T. E. Van Zandt, 5111, will present a technical paper at a meeting of the Gaseous Electronics Conference in Pittsburgh, Pa., the week of Oct. 31.

"The Vanishing Coefficients in Series Expansions of Periodic Distribution Functions" is the title of the paper. The material is from the thesis Dr. Van Zandt wrote for his PhD degree from Yale University. He earned his BS degree from Duke University in 1950.

Dr. Van Zandt has been employed at Sandia Corporation for two years.

## H. K. Morgan of Bendix Aviation To Speak Here

The Albuquerque-Los Alamos Section of the Institute of Radio Engineers will meet Thursday, Oct. 25. The meeting will be at 8 p.m. in Rm. 201 of the Electrical Engineering Bldg. University of New Mexico.



H. K. Morgan

Speaker will be Howard K. Morgan, director of commercial aviation systems of Bendix Aviation Corporation, Detroit Division. "Air Traffic Control" will be the subject of his talk.