

# Work Safely -- Do Your Part to Keep An Accident-Free Record

Sandia Corporation safety record is reported below. So far this year Sandia has had 12 disabling injuries.



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

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ALBUQUERQUE, NEW MEXICO

JUNE 13, 1958

## Work of Sandia Engineer

# Develop Pocket Sized Meter to Measure Nuclear Blast Yields

A blast yield meter, no bigger than a portable radio, has been developed by Howard Sander of the Physical Sciences Department (5150) to automatically establish the yield of nuclear weapons.

The meter, which will cost less than \$100 to mass produce, is expected to replace trailers full of expensive equipment which were previously needed to obtain such data.

So sensitive is the new meter that it could indicate when a door slams at the opposite end of a large building. Built-in safeguards, however, prevent the meter from indicating anything but the explosion of a nuclear device.

### Pressure Transducer

The heart of the meter is a sensitive pressure transducer which operates electrical contacts when exposed to pressure changes as slight as one one-hundredth of a pound per square inch.

This transducer, together with special built-in circuitry, makes the device a type of miniature computer which automatically detects and measures nuclear explosions, even at great distances. The reading of yield is displayed directly on the dial in terms of kilotons or megatons, and no calculation or knowledge of the distance from burst is necessary.

### Small Size

The battery-powered computer, small enough to carry in one's pocket, is in constant readiness and needs no warm-up or forewarning to operate. When a detonation occurs it sounds a tone to call attention to the event. These features are expected to prove useful to military commanders and civil defense authorities alike. Each



BLAST YIELD METER, held by its inventor Howard Sander (5150), indicates yields of nuclear weapons detonated. The device is expected to prove useful to military commanders and CD officials.

can quickly determine when a weapon is detonated and its yield, allowing counter-measures to be taken immediately.

Assisting in the development of the computer were Stuart Hight, Director of Research (5100), and

Maynard Cowan, Full Scale Effects Division (5111). The Electro-mechanical Development Department (1470) is carrying out further development work on the computer, and patent proceedings have been initiated by the Patent Department (6010).

## IRS Now Requiring Full Payment of Taxes Due On Moving Reimbursement

The Internal Revenue Service has notified Sandia Corporation employees who still owe Federal income taxes on money paid for travel and moving expenses when accepting employment at Sandia that they must pay their tax assessment in a lump sum when notice is received.

Previously the Bureau had permitted employees to pay the tax in installments with Sandia Corporation making payroll deduction to assist them.

G. C. Newlin, chairman of the group organized to contest the tax ruling, reports that it will be October or November before the U. S. Supreme Court makes a decision on the petition to hear the case. In May the employee group had a U. S. District Court ruling in their favor reversed by the U. S. Circuit Court of Appeals.

In the meantime, members of the committee are continuing their efforts to get a bill introduced in Congress which would do away with payment of taxes on such travel and moving expenses.

## A. P. Lites to Judge Printing Craftsmen Bulletin Competition

The International Association of Printing House Craftsmen will hold its 39th annual convention in Detroit August 10-13.

Arthur P. Lites (7121-1) of the Albuquerque Craftsmen has been chosen as judge for its 1957-1958 Club Bulletin Contest. He will evaluate the Graphic Arts factors of each issue. Mr. Lites is the secretary-treasurer of the Albuquerque Craftsmen and also is a past editor for their bulletins, which several times have been reproduced in national trade magazines.

For two years he was a member of the Bulletins Advisory Committee, at which time he was an advertising agency production manager. Previously he spent 16 years as typographic designer for the Stanford University Press in California. He is now supervisor in the Composition Section of the Military Publications Department.

## Keller Assigned to High Speed Photo Committee of MPTE

John S. Keller of the Project Department (5250) has been appointed to serve a two-year term on the high speed photography committee of the Society of Motion Picture and Television Engineers.



J. S. Keller

The committee, composed of representatives of major companies and government laboratories, makes recommendations to the American Standards Association on matters relating to high speed photography.

Mr. Keller, who will celebrate his fifteenth year with Sandia in August, is a member of the Optical Society of America, the Society of Photographic Instrumentation Engineers, and the Society of Photographic Scientists and Engineers.

He received his B.A. degree in Journalism from the University of Wichita, Kansas, and took additional courses at the University of Denver.



TAKING A READING on Sandia's solar computer is J. M. Allen of the Flight Test Division (5211). The computer is used to plan the times of test operations at Sandia's ballistic ranges, assuring that the sun won't interfere during filming of test drops.

## Sun Computer Aids Trackers In Filming of Ballistic Tests

A new "solar computer," developed by the Instrumentation Development Department (5220), is expected to make life much easier for the men who track inert bombs and missiles at Sandia's ballistic ranges.

The computer is designed to put an end to "losing" targets against the sun, fogged film and temporary blindness of tracking camera operators. These conditions are caused when a bomb or missile passes between the sun and the camera.

### Maximum Coverage

With the introduction of the solar computer bombing runs can be planned when the sun is not in the view of the camera, assuring maximum film coverage of tests. The computer is expected to prove useful at all of Sandia's ballistic ranges, Tonopah, Nevada, and Salton Sea, California, as well as at other missile and bomb ranges.

By placing the computer on a scale map of the ballistic range, setting its base on a particular camera station, it can be determined if the sun will

interfere with the camera during the test.

If the sun does interfere with a scheduled drop the operation time is changed to a period when the sun won't pose a problem. Settings on the computer indicate these periods.

Another advantage of the computer is that it can be used in laying out new ballistic ranges, providing information as to the direction of the range, location of tracking stations, and other factors to assure good tracking conditions.

The solar computer instruments were designed jointly by Harlan Lenander, former manager of the Instrumentation Development Department (5220), now manager of the Electronic Component Development Department (1450), Dan Fenstermacher (5221) and George Reis (5223).

Construction of the precision instrument was done by Ed Weinykowski with the assistance of Elmo Hubbard, John Farner and Bill Weinbecker did the supporting machine work. All are in 2154-2.

Patent proceedings on the computer have been initiated by the Patent Department (6010).



Sandia Corporation's Experience of 10 Days Without A Disabling Injury Ended June 3

## HERE'S WHY...

A woman employee turned her ankle, resulting in a one-day disability. The injury occurred when she stepped from a dock onto a Corporation boat preparatory to going to a test site to obtain some data. Her foot came down on a cleat causing the ankle injury.



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## Letter to Our Conscience

Heart Association  
Albuquerque  
Dear Sir:

I pledged 10c per month to your organization to help find ways of combating heart disease, but I am going on vacation and need the money so I'll have to cancel my pledge.

Sincerely,  
I. M. Rong

Would you write such a letter? Certainly not. You would not place personal pleasure ahead of a citizen's obligation to keep his word and to help the needy and those who are by such research programs helping all of us.

Yet that kind of thinking is apparently influencing some people who are canceling pledges to the Employees Contribution Plan, by which we Sandians support the local Community Chest and eight other health service agencies (such as Heart Association) on a year-round payroll deduction basis.

The amount mentioned above, 10c, is what the Heart Fund receives from a pledge of \$2.00 per month — and this is greater than the average employee pledge. The other agencies we support through our plan receive amounts ranging from one cent of each dollar up to around seven cents.

By generous and almost unanimous support of the new year-round plan when it was launched last fall we were able to assure these worthwhile agencies of our continuing support. We were able to provide a painless means for employees to provide more liberal contributions than they had been able to make previously. We must not weaken the plan now by canceling our pledges, small though they may be in relation to the total, unless extreme circumstances make it necessary.

Take a well earned vacation, by all means, but be sure you will sleep well. Maintain your pledge as it was intended — on a continuous basis, throughout the year, so that the agencies who look to us to help them carry on their year-round programs will not fall short of their goals.

### Daughter Earns Scholarship

Proud parents are Glenn (1247) and Charlotte (7412) Morter whose 18-year-old daughter, Judy, was awarded a four year scholarship to Texas Christian University. Judy graduated from Highland High this month and plans to major in missionary education.

### Distaff Dinner

Livermore Branch girls have held their third semi-annual get-together with 29 attending the latest dinner given at the Pleasanton Hotel.

Arrangements committee was headed by Phyllis Munn (8221-1) and included Lorraine George (8211-1), Joan Nielsen (8222-2), Carol Campbell (8212-3) and Joan Etchison (8212-3).

### 50th Anniversary

Will A. Scranton (1411) and Donald A. Scranton (1414) traveled to Mesa, Ariz., recently to be present at observance of their parents' 50th wedding anniversary. Their parents are Mr. and Mrs. Floyd C. Scranton.

## Sympathy

To Mildred Knight (7100) and Robert Knight (2161-1) for the death of their father in an auto accident in West Virginia on May 21. Their mother was seriously injured in the same mishap.

To Roy H. Keyser (7311) and his wife, Ruth (3162), for the death of his father in Bozeman, Mont., on May 26.

To J. E. Gross (1413) for the death of his mother-in-law and father-in-law in an auto accident in Boston on May 31.

To Thomas Henderson (2152-4) for the death of his mother May 24 in Kansas City.

To Alva Ayers (2151-1) for the death of his father June 1 in Pennsylvania.

To Connie Gonzales (2461) for the recent death of her husband, Chris.

To Everett M. Click (2131-3) for the death of his father May 22 in Indiana.

To Ralph Gustin (7424) for the death of his father in Pontiac, Mich., on June 5.

## Congratulations

Born to:

Mr. and Mrs. R. C. Knight (7412) a daughter, Linda Christine, on May 22.

Mr. and Mrs. J. A. Silva (1625) a daughter on May 19.

Mr. and Mrs. Edwin S. Johnson (1624-3) a daughter, Signe Kendall, on May 8.

Mr. and Mrs. R. O. Sundahl (8122-2) a son, Bradley Edman, on May 29.

Mr. and Mrs. E. H. Daugs (8124-1) a son, Edward Donn, on May 24.

Mr. and Mrs. Jerome G. Beery (1652-3) a son, Paul, on May 28.

Mr. and Mrs. Jack Burt (7411) a daughter, Stephanie Marie, on June 4.

Mr. and Mrs. Roy Keck (7411) a daughter, Chon Denise, on May 25.

Mr. and Mrs. Ray Shroka (7411) a daughter, Catherine Mary, on May 25.

Mr. and Mrs. Charles Wimmer (7411) a son, Kenneth Eugene, on June 4.



**HONEYMOON OVER**, Carter House (8213-2) was surprised with a wedding cake by members of Accounting and Financial Division when he returned to work recently. Helping him eat it at a noon-hour celebration were (L to R) Nancy Imlig (8213-2), Gordon Bjork (8213-1), "Marv" Glaze (8213), the groom, and Lenore Farnum (8213-1), all of Sandia Corporation's Livermore Branch.

## Weddings and Engagements

Glenda West (2531-2) has announced her engagement to Robert McDade of Albuquerque.



Glenda West

The wedding is to take place on July 25 at the Netherwood Park Church of Christ. After a trip to Beverly Hills, Calif., the couple will make their home in Albuquerque.

Best wishes for a happy marriage are extended to Leota Beller, who was married May 24 to Bill Hoffert.

Leota is in Section 2462-4 and has been employed at Sandia five years.

Wedding bells rang May 30 for George Norvell and his bride, the former Helen Hayes (4131).

Helen has been employed by Sandia Corporation for the past three years.

The couple will reside at 417 General Chenault NE.

### Heads Enchanted Lens

Members of Enchanted Lens Camera Club will install a Sandian, Robert W. Hall (2462-1), as president during the group's annual banquet on June 19.

Leroy Hasebroek (7311) will also be appointed exhibition chairman for the coming year.

During a club showing last month "Bob" received three first place awards for photographs of flowers and one second place award for a photo of the Sandias.

The public is invited to the banquet, which will be held at Barel Community Center. For information call Bob at DI 4-7605.

## Sandianoies . . .

### Erne's European Tour Includes Scenery, History Plus Excitement

How much excitement can you pack into a four week tour of Europe?

Visits to the many scenic and historic spots on the Continent are enough for most tourists, but Louis Erne (2462-1) managed to be in Paris during the De Gaulle demonstrations, Rome during the pre-election rallies and London during a bus strike.

He reports that in some parts of the Eternal City the political meetings got out of hand, but he saw little action.

The Paris demonstrations consisted mainly of parades along the Champs Elysees. Many of Louis' traveling companions received letters from friends in the States urging them to leave France. He said, "Apparently people in the United States were more concerned about the situa-

tion than we were."

The London bus strike didn't bother Louis much because after riding the Paris "metro" the London "underground" seemed an easy form of transportation.

His trip also included stops in Switzerland and Germany.

### Tarnawski Signed for TV

Walt Disney productions have signed up Nick Tarnawski (2461-5) for a speaking part in a TV production on Elfege Baca, a New Mexico sheriff of pioneer days.

During his stint on location at Tesuque, N. M., Nick will portray the part of a prospector.

The completed film will be shown on the Disney TV program in two one-hour sequences.

### Just Married

Congratulations are extended to Paz Lopez (2711), who is honeymooning in Old Mexico after his marriage June 1 to his high school sweetheart in Silver City.

### Wedding Anniversaries

Twenty-three years of marriage will be marked June 22 by Marjorie (5125) and Carl Endres (1613-3).

A wedding anniversary — their 13th — will be observed by Mr. and Mrs. H. A. "Blitz" Krieger (1261) Monday.

Mr. and Mrs. W. H. Bradford (5121) will mark their 19th wedding anniversary on June 3.

Congratulations to Edna Miller (2721-3) and her husband Hugh on their 33rd wedding anniversary, which was May 20.

### Vacations Par Excellence

Along the vacation trails Joe Hankins (5122) and his wife will set off tomorrow in their Piper Tri-Pacer for Kansas City via Amarillo and Hutchinson, Kans. Although Joe has had his pilot's license since last July this is their first lengthy trip.

Just returned from three weeks in Hawaii is Kay Hammer (4314) who brought back a grass skirt, a gorgeous tan and her daughter and infant granddaughter, who will be houseguests in Albuquerque for a month.

### Convalescing

Harry Daniel (7113) is convalescing at his home after major surgery. His many friends wish him a speedy recovery.

## Speaking of Reporters . . .



Helen Kreissel

—official and social reporting—

This is another article telling of the volunteer reporters who contribute to the Sandia Lab News.

One of the best known persons at Salton Sea Test Base is blonde, suntanned Helen Kreissel. She's secretary to Department Manager R. E. Hepplewhite and she's also the Sandia Lab News reporter for this California community.

Originally from Kalamazoo, Mich., after moving west Helen

worked first for the California Date Growers Association in Indio and since January 1954 has been with Sandia Corporation.

She lives in Indio and rides the AEC air conditioned bus to and from work. At least when she boards the bus at 6:30 a. m. the desert air is still cool.

Helen has no previous writing experience, she just likes to write. Her contributions to the Lab News have included a wide range of both official and personnel activities.



Joan Blodgett (5143)

## Take a Memo, Please

By using first-aid instead of endurance, your family has YOU instead of insurance. Report every injury promptly regardless of how minor it may appear to be.

## Sandia Printing Monographs Of Unpublished Tech Papers

Sandia authors of technical papers now have an additional publication outlet.

For several months the Corporation has been reprinting articles of interest which have appeared in technical magazines or which were presented as talks.

Now monographs are being printed of papers which have not appeared elsewhere.

The first monograph, made available by Technical Information Section 7223-1 to interested persons free of charge, is a paper by Donald B. Owen (5125) entitled "Table of Factors for One-Sided Tolerance Limits for a Normal Distribution."

Now in preparation is a monograph by Dr. Gerald L. Thompson, assistant professor of math at Dartmouth University, based on lectures given at Sandia last August. Subject of the talks was "Game Theory, Markov Chains and Related Topics."

Sandia Corporation reprints are also available of the following papers:

"Acceptance Sampling Criteria for the Consumer" by Allen F. Hurford (1451), presented at a meeting of the Aircraft Industries Association Electronic Equipment Committee in January.

"Solid Lubricant Coatings" by L. M. Berry (1621-3), presented at a meeting of the American Society of Mechanical Engineers-American Rocket Society Joint Aviation Conference in Dallas in March.

"The Fundamentals of Differential Radiation Measurements" by Richard A. Nickerson (8112), published in *Nondestructive Testing* in Jan.-Feb. 1958 issue.

"Pulse Generator Based on High Shock Demagnetization of Ferromagnetic Material" by R. W. Kulterman, F. W. Nielsen

and W. B. Benedick (all 5132), published in the "Journal of Applied Physics," March 1958 issue.

"Tube Design and Circuit Considerations for Fast-Heating Electronic Systems" by K. D. Hardin (1451), published in proceedings of the 1958 Electronic Components Conference—Reliable Application of Component Parts.

Also on sale in Washington, D. C., at the Department of Commerce Office of Technical Service and distributed to the AEC Technical Information Service Extension at Oak Ridge, Tenn., is a paper by F. G. Blottner (5141) entitled "Stability of an Aerodynamic Body with a Rotor."

### Sandia Statisticians Assist in Survey of Polio Immunization

Results of a survey to determine how many Albuquerqueans have received the Salk Polio vaccine were recently compiled by two Sandia statisticians.

D. B. Owen and E. J. Gilbert of the Statistical Division (5125) used modern statistical methods to select random telephone numbers from the Albuquerque directory used in the survey. After the numbers were called they worked with the answers and found that 36 per cent of persons covered in the poll had not received any shots. However, 51 per cent had all three Salk vaccine shots. Of the remainder, four per cent had received one shot and nine per cent had two.

The survey was sponsored by the Bernalillo County chapter of the National Foundation for Infantile Paralysis. In charge of arrangements for the sampling was the wife of F. F. Eichert (7410).

### Sandia Scientists Present Papers At National Telemetry Conference

Several Sandians last week joined with scientists and engineers from all over the world in presenting technical papers at the National Telemetry Conference held in Baltimore, Md.

C. E. Erickson (5252) presented a paper co-authored by R. H. Gablehouse (5223) entitled, "A Six-channel Airborne Strain Gage Calibrator and D. C. Excitation Unit."

"An Application of Coherent Detection to Electronic Trajectory Measurement" was the title of a paper presented by B. J. Weston (5223) and C. E. Land (523) gave a paper entitled, "Transistorized Current-Controlled Oscillator for DC Excited Strain Gage Applications."

A. P. Gruer (5210) presided over a session on data processing.

### Second Grammar Class Starts Monday, June 23

A new class in English grammar and correct usage is being offered Sandia Corporation employees.

The class of 25 students will meet during the noon hour on Mondays, Wednesday and Fridays beginning Monday, June 23, in Rm. 1, Bldg. 849. Instructors will be W. F. Carstens (7223) and J. L. Fife (7223-1).

The class will end in mid-August. Another class will start about the first week of September. Persons wishing to enroll may do so by calling the General Training and Education Division at Ext. 52151.

### J. C. Jordan to Attend MIT Workshop Course

John C. Jordan (1613) will attend a workshop course offered by the Massachusetts Institute of Technology on random vibration environments of jet aircraft and missiles. The two-week workshop begins June 23.

In charge of the workshop will be Dr. Stephen H. Crandall, Associate Professor of Mechanical Engineering at MIT. He will be assisted by other MIT faculty members and engineers from American industries.



CHARTER establishing the local chapter of the American Society of Training Directors is presented to Lynn Castle (3124), president. Making the presentation (center) is Winston M. Crawford, national V.P. of ASTD. Dr. A. A. Welck (left), is chapter V.P.



STUDENTS in telescope school gather around polished surface of mirror as they listen to instructions on how to build their own instruments. When the course is completed each student will have built his own telescope of professional quality. More than 30 Sandians are taking the night course.

## Amateur Astronomers Building Telescopes In East Mesa Evening School Class Sessions

Stargazing is serious business for a group of Sandia night owls who meet one evening a week to learn how to build 200 power telescopes.

More than 30 employees are braving chilly night air to attend "lectures under the stars" at the Corporation's Telescope Building on the east mesa.

There, under the expert instruction of Dan Fenstermacher, Dan Parsons and Irv Lenz, all of the Optical Development Section (5221-1), the class is learning the rudiments of astronomy and telescope building.

All three instructors are devoting their own time to teach these modern-day Galileos how to build their own telescopes which will cost not more than \$30 each.

Lessons learned at these evening sessions are applied at home where kitchens and garages have been temporarily converted into lens grinding establishments.

### Grind Own Lenses

"We believe in starting from scratch literally," explains Dan Fenstermacher. "Each member has ordered his own mirror blanks which he will grind and polish himself. Then they'll make their own tubes and tripods. By the time we're finished we'll have 34 telescopes, which would cost \$200 if purchased from a dealer."

When conditions are proper, the class is treated to a look at the moon and planets through the Corporation's 24" telescope contained in the Telescope Building. The entire roof of the structure slides back allowing the instrument to probe the heavens.

Since the facility is located outside the Corporation technical area many of the class members bring their children to the sessions to teach them more about space, "our newest and most important frontier," says Dan.

### Model Shops Idea

Plans for the telescope school were formulated several months ago when a group from the model shops approached Dan with the idea. Dan and Bill Seelbach (2151) got together soon after and ordered a batch of mirror blanks on a wholesale basis from an optical company, and the school became a reality.

Since then dozens of requests to enroll in the class have poured in from all over Sandia. Because of this response Dan now intends to start a new class for 30 more students in about three months.

Dan has been in the Optical Development Section for about four of his seven years at Sandia, transferring there from the Model



CHECKING SURFACE of telescope mirror in telescope school is Andy Landis (2132). Watching (L to R) are Dan Fenstermacher, instructor (5221), A. F. Miller (2151), Charles Radigan (7411).

Shops (2100). Before joining Sandia he worked in the Astrophysics Shop of California Institute of Technology where he helped build the 200" telescope at Mount Palomar. He also worked for a time at the Power and Propulsion

Laboratory at Oklahoma State University.

Telescopes have always been his first love, making them since 1932. His pride and joy is a little 10" reflecting telescope he has at home now.

### Surplus Sandia Cars, Trucks To Be Disposed of By Auction Tonight

An auction of 31 surplus cars and trucks from Sandia Corporation will be held tonight at 7 p. m. at 2222 Broadway SE.

Each vehicle is offered for sale on an "as is" and "where is" basis. Therefore, bidders are urged to inspect the vehicles prior to the bidding.

The sale is open to the public although prospective purchasers must register beforehand and sign a copy of the sale conditions.

Identification cards will be given prospective purchasers at the time they register.

Payment will be made to the auctioneer and is acceptable in cash, certified check or personal check when accompanied by a current letter of credit from the bank.

Any bidder who is an employee of the AEC or of any of its cost-type contractors must declare that he has not participated in the seller's determination to dispose of the property, in preparation of the material for sale, in determining the method of the sale, and has not acquired information not generally available to the public regarding usage, condition, quality or value of the property.

Included in the sale are: four 1950 Chevrolet ¾ ton pickup trucks; five 1950 IHC 1½ ton flat-

bed trucks; 1949 Federal 4 ton truck, cab and chassis; four 1950 Dodge ½ ton pickup trucks; 1950 IHC 2 ton stake truck; six 1951 Ford ¾ ton pickup trucks; 1953 Chevrolet 1 ton panel truck; 1949 IHC 5 ton truck, cab and chassis; 1955 Ford ½ ton pickup truck; four 1951 Chevrolet 1 ton panel trucks.

1951 Pontiac 4-door sedan, 1953 Chevrolet 4-door 8-passenger station wagon, and a 1954 Ford 9-passenger station wagon country sedan.

### J. W. McRae to Receive Hobart Honorary Degree

James W. McRae, president of Sandia Corporation, will deliver the Phi Beta Kappa address and receive an honorary degree at the 133rd commencement exercises at Hobart William Smith College in Geneva, N. Y., June 15.

Honorary degrees will also be bestowed on Rise Stevens, Metropolitan mezzo-soprano; Walter L. "Red" Barber, sports commentator; William K. Whiteford, president of the Gulf Oil Corporation; Arthur A. Houghton, Jr., president of the Steuben Glass Company, and other notable figures.



**FIRE PREVENTION CERTIFICATE** awarded to Salton Sea Test Base is admired here by Billy D. Neil (2482) and Fire Chief H. V. McNabney (2482-2). The Salton Sea fire department was rated in nineteenth place in the industrial division of nationwide competition sponsored by the National Fire Protection Association.

## Sandia Chess Players Eligible To Enter 12th Annual Bell System Tournament

Sandia Corporation employees, active and retired, are eligible to enter the Twelfth Annual Bell System Postal Chess Tournament. Play begins in September and entries must be in the hands of the Tournament Director no later than July 15.

To enter, send a card to Chess Tournament Director, American Telephone and Telegraph Company, Room 1338, 195 Broadway, New York 7. Players will be contesting with others whose tilts and parries are of about the same skill.

**Postcard Entry**  
On the postcard include your name, business address and business telephone number and your home address. Rate yourself as an average player, above average player or below average player. Note whether you have ever played in a chess tournament before.

Also indicate in how many sections you would like to play. Seven or eight players, as evenly matched as possible, will make up a section, so you may compete with as many as six or seven players or as many as 18 to 21 if you choose three sections. All games will be played simultaneously and by mail.

**Section Champion**  
Each player who enters should be able to read chess notations. Your score toward winning a

certificate as section champion will be based on percentage of wins. A system of point scoring will be used to determine who will reign as grand champ.

There is no entry fee and no equipment is required beyond postcards purchased by players for carrying on their own games.

## Industrial Photogs Invited to Meeting

All industrial photographers at Sandia Corporation have been invited to attend the June 18 meeting of the Society of Photographic Instrumentation Engineers in an effort to bolster membership and enlarge the interests of the society.

The meeting will begin at 7:30 p.m. in the Sandia observatory near the east gate to Sandia Base. Weather permitting, the group will photograph stars and planets with the aid of optical instruments in the observatory.

Newly-elected officers of the society include J. S. Keller (5254), president; D. L. Fastle (5216), vice president; W. G. Foy (5216), secretary-treasurer, and C. F. Wilson (5216), program chairman.

## Mountain Club Trips

The New Mexico Mountain Club has planned two interesting trips in the next two weeks.

This Sunday the group will take a four mile trip into the Sandias starting from the Juan Tabo area. Next week end, June 21-22, the club will take a six mile pack trip to Lake Catherine. Zelma Beisinger (5126) will be leader of the trip to Lake Catherine.

**R. E. MAXWELL** to supervisor of Shipping and Receiving Section 8224-1, Supply Services, Livermore Branch.

**"S m o k y"** joined Sandia Corporation in September 1952 and worked in the Engineering, Standards Engineering, and Manufacturing Relations Engineering organizations. He transferred to Livermore last August and has been working in Material Control Section.

Previously Smoky working for a number of firms including: Standard Register Co., Dayton, O.; Pioneer Tool and Engineering Co., and Standard Dayton Corporation. He was a tool and gauge supervisor for Lear, Inc., in Piqua, O., a job that included shipping and receiving responsibilities.

Smoky is studying production management and business administration.

**CORNELIO A. SANDOVAL** to supervisor of Third Shift Operations 2411-3, Electrical, Refrigeration, and Air Conditioning Division.



This shift will be new to "Corn," but he has worked in the Plant Maintenance Department since he started with Sandia nearly 10 years ago.

Prior to 1948 he worked two years for a California firm which installed much of the air conditioning on Sandia Base. He also was employed for several years by other local refrigeration firms. For two years he operated his own mechanical repair shop in Albuquerque.

Corn graduated from Albuquerque high school and attended a refrigeration and air conditioning school in Youngstown, Ohio.

During World War II he served four years in the South Pacific with an army artillery unit.

**C. JERRY KING** to supervisor of SA Tube Components Section 2542-3, Electronic Component Division.



Jerry has been with Sandia Corporation five and one-half years, first in product test set design group, and for the past three years in Manufacturing Engineering Components Department.

For the year prior to coming to Sandia he was employed by Leru Laboratory in radar design. Although the lab is located in Wayne, N. J., Jerry was working the entire time in Albuquerque with a consultant.

He holds a BS in Electrical Engineering from the University of New Mexico and also attended Colorado College.

Jerry is a member of the Institute of Radio Engineers.

**N. J. RENAUD** to supervisor of the Reproduction and Mail and Records Division 8223, Plant Services and Security Dept. Livermore Branch.



"Jack" has been at Sandia more than eight years. He first worked in the Cost Division, two years later he was promoted to section supervisor in the accounting organization. He transferred to Livermore last February to supervise the Accounting, Budget and Tabulating Section.

Before joining Sandia Jack was employed by the Chrysler Corporation in Marysville, Mich.

Jack graduated from Ferris Institute in Big Rapids, Mich., with a Bachelor's degree in Accounting.

During World War II he served three years in the Army.

**JAMES P. BROCK** to supervisor of Supply Services Division 8224, Plant Services and Security Department, Livermore Branch.



"Jim" came to Sandia in January 1949 and worked first in the Research, Surveillance and Engineering organizations. In April 1956 he transferred to Livermore and was promoted to section supervisor in Plant Services in February 1957.

Before joining Sandia Jim was a telephone lineman.

He served seven years in the Army.

**MILTON J. LESICKA** to supervisor of Salton Sea Security Section 2482-3, Salton Sea Department.



He has been with Sandia Corporation at the Salton Sea Test Base for seven and one-half years, first as a security guard and since August 1951 as Sergeant Supervisor.

Four years prior to joining Sandia Milton was co-owner of a weed and insect spraying concern in the Imperial Valley.

He attended Brawley Junior College, studying Mathematics, for one year before joining the Naval Air Corps in 1942. He remained in the service for four years as a pilot.

**JAMES H. HALL, JR.**, to sergeant supervisor, Salton Sea Security Section 2482-3.



"Jim" has been a security inspector for Sandia Corporation at Salton Sea Test Base since September 1952.

Following graduation from Brawley Union High School, Jim served in the Navy for four years during World War II.

He is presently an elected representative on the Westmorland City Council and was formerly secretary of the Westmorland Chamber of Commerce.

**JOSEPH SUKNOT, JR.**, to supervisor of Drafting Section VIII, 7411-7, Drafting Division A.

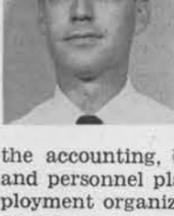


"Joe" has worked in the drafting organization since he came to Sandia nearly three years ago.

Previously he was a draftsman for four years for the Winchester Corporation in Sioux City, Iowa. Before that he worked 10 years for Albertson and Company, tool manufacturers in Sioux City. It was there he received drafting training under a wartime government sponsored program.

Joe also worked for six years as a clothing salesman in Iowa.

**RAY E. HUSTON** to supervisor of Employee Services, Wage, and Records Section 8212-2, Personnel Division, at Livermore Branch.



Ray has been with Sandia about five and one-half years. At Albuquerque he worked in the accounting, business methods and personnel placement and employment organizations. He transferred to Livermore Branch two years ago and was in Personnel until last July when he became a technical department staff representative.

Before joining Sandia, Ray was a special agent for the Federal Bureau of Investigation for a year in Washington, D. C., and Albuquerque. Previously he worked a short time as an accountant for Standard Oil in San Francisco.

He received his Bachelor's degree in Business Administration from San Jose State College and was a member of the college scholastic and accounting honorary societies.

Ray served two years in the Navy.

**ALDEN J. DERBY** to Assistant Buyer 4323-2, Mechanical Subcontracting.



"A1" has worked in the purchasing organization during his 15 months at Sandia.

Prior to that he was office manager in charge of hardware for Charles Ifeld Company in Albuquerque for two years.

Before coming to Albuquerque A1 was a senior merchandiser for Montgomery Ward in Denver, where he had been employed for 18 years.

He holds a Bachelor's degree in Business Administration from the University of Denver and received a certificate of completion for a two year course in radio and television at the DeForest Institute in Chicago.

During World War II A1 served two years in the Navy as a radar technician, including eight months in the Pacific.

**CHARLES STACK** to supervisor of Stock and Material Control Division 2112, Control Department.



He has been employed at Sandia since November 1950 with the exception of nine months when he quit to return to college. At Sandia he has worked in purchasing, program administration, reproduction, technical services, and for the past three years he has been a section supervisor.

Charles received a BA degree from Ohio University in 1950 and also studied at the University of Cincinnati. He is a member of Xi Chi, honorary psychology society.

During World War II Charles served three years with the Navy as a radio operator. Half of his Navy tour was spent in the South Pacific.

**PARKER F. JONES** to supervisor of Project Division 1218, Engineering Department.



Parker has done project work during his entire five years with Sandia Corporation.

Previously he spent four years in the Air Force during World War II as a flight instructor and operations officer, and two years during the Korean conflict as an administrative officer in the Air Defense Command.

Parker attended the University of Oklahoma for two years and received his BS in Mechanical Engineering after two additional years at the University of New Mexico.

He is a member of Pi Tau Sigma, mechanical engineering honorary, Sigma Tau, engineering honorary, and Kappa Mu Epsilon, mathematics honorary society.

**DONALD R. WHEATON** to supervisor of Records Section 8224-2, Supply Services Division, Livermore Branch.



"Don" joined Sandia in January 1957 and has worked as a property clerk and staff assistant.

Before coming to Sandia he was an equipment installer and repairman for Pacific Coast Telephone and Telegraph Company.

In 1950 Don was awarded an Associate of Arts degree from Monterey Peninsula College.

He served in the Air Force from 1951 to 1956, both as a pilot and as a special weapons instructor.

## Promotions

June R. Kurpiers (2231) to Wireman  
Joseph H. Valdez, Jr. (2711) to Inspector  
Theresa F. Phelan (4152) to Acctg. Clerk  
Sidney P. Timmings (8222) to Jr. Tradesman  
Jimmie Lee West (7411) to Draftsman  
Jerry W. Cummings (7412) to Draftsman  
Richard C. Wahlberg (7311) to Tech. Asst.  
George E. Power (7313) to Tech. Asst.  
Thomas R. Arrington (5531) to Staff Asst.  
Noble A. Gruenoch (5531) to Staff Asst.  
Paul D. Seward (7232) to Staff Asst.  
K. R. Dickerson (3124) to Staff Associate  
William E. Putnam (2161) to Shipping Clerk  
Honorable B. Sanchez (2711) to Utility Optr.  
Charles Haynes (2551) to Technician  
Lloyd C. Sanders (2551) to Technician  
John T. Lindman (2551) to Technician  
Robert J. Hoffer (2151) to Machinist  
A. M. Jaramillo (2553) to Teletypewriter Optr.  
Marilyn J. Howard (2551) to Secy. Steno.  
Sharon R. Davis (2554) to Secy. Steno.  
Betty Gurule (7225) to Secy. Steno.  
Ruth H. Bauer (7225) to Record Clerk  
Louise B. Proffitt (7225) to Secy. Clerk  
E. Mary Gallegos (7225) to Typist  
S. Ann Hanks (7226) to Typist  
Bette J. McKenzie (7221) to Assign. Clerk  
Pearl H. Sarthory (7225) to Service Clerk  
Stanley R. Pickens (2482) to Expediter  
Herbert A. Parsons (4152) to Accountant  
Malcolm H. Woodward (1614) to Technician  
Blake J. Liston (1614) to Technician  
Joseph E. Sul (2133) to Layout Optr.  
Robert M. Thimm (2151) to Jig Borer Optr.  
James D. Whitfield (2711) to Inspector  
John A. Carroll, Jr. (2211) to Service Clerk  
Harlan E. Morris, Jr. (1265) to Staff Asst.  
Frank J. Tuffs (2442) to Staff Member  
Edward S. Roth (2553) to Staff Member  
Charles B. Randall (2112) to Matl. Handler  
Wilfred Sanchez (2121) to Furnace Optr.  
Delfin O. Salazar (2551) to Technician  
Audine A. LaForest (2551) to Technician  
Andrew J. Fry (2234) to Machinist  
Eustaquio Rael (2234) to Machinist  
Betty J. Musgraves (2111) to Receptionist  
Sabrina G. Rimbart (2461) to Teletypewriter Optr.  
Ruth H. Batchelor (4333) to Record Clerk  
Raffella C. Quigel (7121) to Typist  
Emily C. Browne (7223) to Editorial Asst.  
C. D. Woodyard (7233) to Utility Optr.  
Robert J. Reed (1541) to Assembler  
John R. Woodworth (1622) to Lab. Asst.  
**Lateral Supervisory Transfers**  
Frank J. Maloney, Jr. (2124) to Division 8113  
Francis J. Murar (8123-2) to Section 8124-3  
Vincent G. Redmond (1247-3) to Section 1285-1  
Ben H. Bright (7240) to Department 2520  
James W. Hook, Jr. (2520) to Department 7210  
George E. Mincks (2414-3) to Section 8222-3.  
L. M. Jercinovic (7210) to Department 7240



IN APPRECIATION for efforts of the Staff Training Division (3123) in conducting a recent Supervisory Development Conference for department managers, A. P. Gruer (5210), right, presented citations to Conference leaders Barney Goncher, Jack Dyer and Don Jenkins. Accepting Barney's award in his absence was W. G. Funk (3120), left. Conference was held at Bishop's Lodge, Santa Fe.



LIVERMORE RODEO SHENANIGANS—if you don't have a beard the fun begins for the Jaycees in Livermore. (L to R): Bob Bailey (8114-1), John Rogers, Art Eiffert and Jim Brock, all 8222.

## Top Golf League Teams in Close Race For First Position

Team III of the Sandia Employees Golf Association was leading the "A" League on June 5 with nine games won and three lost. Members of Team III are Chet Fornero (7329) Joe Hickey (4161) and Jim Kelly (2224).

In second place in the league with 11 wins and four losses is Team VII, composed of Howard Lindell (5533), Lou Guintard (5533) and Dick Clark (5512). Team IV with Pat Donovan (1263), Tim Butler (5524) and Frank Abbott (AEC-ALO Sandia Area Office), is in third place with eight wins and four losses.

Leading the "B" League as of June 5 were Team V and Team VIII, both with four and one-half wins and one and one-half losses. Team V's members are Bob Hedberg, Ed Ronan and Holt Gay (all

of 1282). Team VIII's members include Dennis S. Chavez (2211), Charlie Chavez (7242) and Morris Chavez (4135).

Second in line in the "B" league is Team III with four wins and 2 losses. Team members are Lewis Larsen, Bill McWhorter and Werner Kuhn (all of 1624).

All three teams in the week end league of the golf association were tied for first place as of June 5, each team with six wins and no losses to its credit.

Members of the teams are:

Team III: Dick Kidd (1245), Harry Wild (2221) and John Puhara (7411). Team VI: Milt Madson, Paul Syroid and Elmer White (all of 1613). Team VII: George Horne Sr. (4153), H. G. Pierce (7221), and Dan Freshman (7221).

### Golf Honors for Dzugan

Livermore golfer Walt Dzugan (8212-1) was runner-up recently in the first flight of the Rad Lab Recreation Association's fourth scheduled play-off.

Sandians will compete tomorrow in the next scheduled tournament at Vallejo.

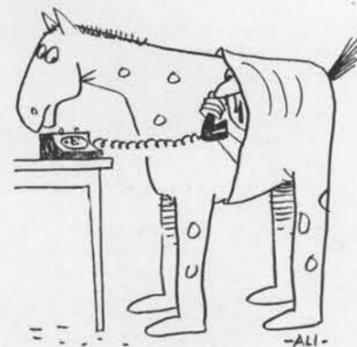
### Softball Schedule

"A" League		Diamond D	
June 17			
6:45 1200II vs. 4300	AEC vs. 7200	Bye	
8:30 3100 vs. 7400II			
June 19			
6:45 1400 vs. 2500	4100 vs. AEC*		
8:30 Bye	3100 vs. 7200*		
June 23			
6:45 7200 vs. 1200II	7400II vs. 1400		
8:30 4300 vs. 3100	2500I vs. 4100		
June 25			
6:45 4100 vs. 4300	3100 vs. 7400II		
8:30 1400 vs. 7200	1200II vs. AEC		
"B" League			
June 16			
6:45 2700 vs. 1200I	2500II vs. 7400I		
8:30 5500 vs. 2400	1600 vs. 5200		
June 18			
6:45 5100 vs. 2100	4100 vs. 4300*		
8:30 1400 vs. 1200II	5100 vs. 5200*		
June 24			
6:45 7400I vs. 2400	1200I vs. 2500II		
8:30 2100 vs. 2700	5200 vs. 5100		
June 26			
6:45 5500 vs. 1600	7400I vs. 1200I		
8:30 2700 vs. 5200	2500II vs. 2100		

\* Make-Up Games

### Softball Standings

June 6		
"A" League		
Team	Wins	Losses
3100	5	0
2500-I	5	0
1400	4	1
4100	2	3
7400-II	2	4
AEC	1	3
1200-II	1	3
4300	1	4
7200	1	4
"B" League		
Team	Wins	Losses
5100	4	1
1200-I	4	2
2100	4	2
2400	4	2
5500	4	2
7400-I	4	3
5200	2	3
2500-II	1	4
2700	1	4
1600	1	6



"THIS IS THE END."

### 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

- AIR CONDITIONER, 3/4 ton Westinghouse, refrigerated, 110 volts, \$110; 2-speed Robbins & Meyers Window fan, \$20. Johnston, AX 9-1830, 9642 Elvin NE.
- BABY STROLLER. Will trade. Jordan, CH 2-8928, 613 Copper NE.
- '56 HARLEY-DAVIDSON, Mod. 165, \$250 or best offer. Beach, AL 6-6165.
- ARMLESS COUCH and platform rocker, \$35; Allstate one-wheel trailer, \$20. Brumley, AX 9-1809, 8926 Fairbanks NE.
- RADIO CONTROL (CG T-11) transmitter and (CG A-4) receiver, never used, w/English escapement for model plane, boat, other uses. Stuart, AL 5-1784.
- HOUSE TRAILER, 27 ft., 1 bedroom, modern, located in mountain area, has pueblo styled living room w/fireplace. Souder, Ext. 34161.
- 100' x 200' LOT, good for trailer, all utilities, clothesline, etc. ready to move onto. North 10 to San Antonio, 2 miles east to Sandia Knolls. Shea, Marks Road.
- SEWING MACHINE, new Necchi, portable, all attachments included, \$200. Risk, AM 8-8990, 309 Gen. Bradley NE.
- TETHER BALL w/portable pole, tilt-arbor table saw, 26" man's bike, wringer washing machine, 10 gal. aquarium. Shaw, AL 5-1576 after 6.
- MODEL RAILROAD layout, complete, HO gauge. Bonnell, AL 6-4045.
- CIMARA RUG, all wool, 12 x 17 1/2 feet, w/pad, medium green, replacement cost over \$265, sell for \$165. Carpenter, AX 9-3519 evenings.
- '50 JEEPSTER, R&H, overdrive, new top and curtains, W/W tires. Williams, 908 Cardenas NE, AL 6-1748.
- WRINGER-TYPE WASHER, General Electric, \$30. Durham, AL 6-6284, 2729 Valencia Drive NE.
- OAK BUFFET, 46 inches long, open end shelves, \$7. Hicks, Ext. 27143, 321 Manzano NE.
- '57 MGA Sports Car, wire wheels, heater, \$2100. Dunlap, Ext. 26136.
- BABY CARRIAGE, Storkline, \$15. Stein, Ext. 46266, 3023 32nd Place, Sandia Base.
- '52 BUICK, Special, 2-door sedan, clean, one owner, R&H Std. shift, \$500. Connelly, AL 5-9997.

- BLUE WOOL RUG, 9x12 w/pad, blue bed-spread, blue curtains, all \$25; vanity, \$5; 2 mahogany-veneer doors, \$8 and \$5. Belmore, AX 9-0180.
- ALUMINUM BOAT and trailer, 14 ft. Alumacraft, \$200. McKay, AL 5-5658 after 5.
- AIR CONDITIONER, 1/2 ton refrigeration type, 110 volt window mounting, used one season, sell one-half price or \$85. Ayers, AX 9-1055.
- CAR COOLER, window type, evaporative, used one season, \$8. Brown, DI 4-3933.
- UPRIGHT PIANO, factory rebuilt, cost \$300, sell for \$200 including moving expense; baby bed, table, misc. items. Nielsen, AL 5-6497.
- '38 CHEVROLET, 2-door, will trade for gun or camera equipment. Harris, AL 5-6608.
- 4 BRM HOUSE, 1 3/4 bath, large utility room, garage, air conditioned, patio, sprinklers, disposal, carpeting, newly decorated. Sundt, AX 9-5295, 8100 Hannett Ave. NE.
- 17" WIRE WHEELS, five, w/tires and tubes, \$5 each; power mower, 18 inch reel, \$30. Villella, Ext. 34166.
- FENCE, 150 ft. long x 3 1/4 feet high, approved for AEC Housing, \$75. Kohut, Ext. 20296, 3170 41st Pl., Sandia Base.
- UMBRELLA TENT, two fabric air mattresses, air pump, Coleman 3-burner stove w/stand, cartop carrier (converts to table), \$82.50. Roussel, DI 4-1080.
- REFRIGERATOR, Norge 10 cu. ft., \$100 or best offer. Klopolsky, AX 9-4110, 2728 Utah NE.
- UTILITY TRAILER, two wheel, \$25. Hunt, AL 6-1038.
- REFRIGERATOR, 9 cu. ft. Montgomery Ward, \$75; Thor portable Gladiron, \$25. Butler, AL 6-9794 after 5 p.m.
- '57 RAMBLER, 4-door, green and white, 6 cylinder, heater, 13,000 miles, reasonable. Kilmartin, AX 9-1241.
- GAS RANGE, KENMORE, 40", Roody, AM 8-0969.
- 2 BRM HOUSE, \$4,900, 1608 Gerald SE, and 2 lots on Second NW, 160x60 and 140x60, \$1,850 for both. Chavez, CH 2-1791.
- WALL TENT, sixe 9x12, \$25. Hubbard, AX 9-7012.
- AUTOMATIC WASHER, Kenmore, \$35; wringer type washer, \$20; garage door w/hardware, \$30; baby buggy, \$10; play pen, \$3. Wank, AX 9-5671.
- 3 PAIR DRAPES, floor length moire taffeta, white w/brown-gold leaf design, \$10. Hill, AL 6-1931.
- S&W REVOLVER, .38 Special, 4 1/2 inch barrel, \$49; other S&W revolvers in shooting condition, \$25. Graves, DI 4-3008, 534 Muscatel NE.
- WOODEN FENCE, AEC Housing area, best offer received by 18 June. Wilson, Ext. 39168 after 5 p.m.
- AUTOMATIC WASHER, '54 Westinghouse, scale on door, \$75. Cooper, AL 6-0624.
- 2 BRM HOME, 1 bath, fireplace, service room, storage, landscaped; near schools, shopping, bases; completely redecorated. Fossum, 1815 Ross Pl. SE, AL 5-0535.

### NEXT DEADLINE FOR SHOPPING CENTER ADS Friday Noon, June 20

- BABY CRIB and mattress. Botner, 2722 Monterey SE, CH 2-7816.
- '46 CHEVROLET, recently overhauled. Davidson, AX 9-4637.
- BICYCLE, Boy's 20", \$20; centrifugal water pump with 3/4 hp electric motor, \$40. Toya, DI 4-2775.
- MAYTAG WASHER, wringer type, \$20; full size violin, \$50; air conditioner, \$15. Grey, AX 9-7349.
- 3 BRM BRICK house, 1 3/4 bath, garage, patio, electric range and oven, walled. \$2,150 down, assume GI loan, Henderson, 4712 Palo Duro NE, DI 4-7720.
- CAMP STOVE, two burner gasoline, \$3.50; picnic table and benches, \$10; bicycle trainer wheels, \$1. Scranton, 8210 Cutler Ave. NE, AX 9-5720.
- ICE SKATES, size 10 1/2 medium; English bike; breakfast set, 4 chairs, table, blue and grey. Litka, AX 9-4348.
- 2 BRM HOME with den, patio, carpeted, near base: \$500 down, total \$10,300. Very low monthly payments. Renfro, AL 5-6835.
- HIGHWAY FRONTAGE on East 66 out 10 miles, 3 1/2 acres, good well with pump, small modern house. Owner will finance, clear title. Fletcher, AL 5-0797 after 5.
- GOLF CLUBS, 4 woods, all irons, matched set with bag and cart, \$60. Hapsas, AX 9-5345 after 5.
- '49 STUDEBAKER Champion, 2 door, \$125. Pons, AL 5-2990.
- HAND VACUUM, Singer, \$15; golf clubs, 4 woods, 6 irons and bag, \$35; Mouser Vernier pocket calipers with case \$11. Pavelko, ext. 33192 after 5.

Sandia Corporation SURPLUS CARS and TRUCKS AUCTION June 13 7 p.m. 2222 Broadway SE

- 15 Pickups
- 7 Flatbeds
- Station Wagons
- Sedans • Panels
- 37 Vehicles At Your Price

- AIR CONDITIONER, 3/4 ton compressor, de-luxe thermostat, 2 speed fan, heating element, 110 V, fits 12" x 16" opening. Cost \$369, sell for \$150. Donohoe, AX 9-1739.
- VIKING TAPE pre-amp model PB-60. \$29.50 value, sell for \$19. Sinnott, AX 9-1300.
- HOUSE TRAILER, 2 bedroom, 41 foot, '56 model. Will trade for 3 bedroom house in NE or SE. Payne, Ext. 29172, 225 Louisiana SE.
- SOFA BED, makes 3/4 bed, 1 rocking chair, 1 wing chair, all plastic covered. Carmichael, AM 8-0818.
- '56 CUSHMAN Highlander Motor Scooter; studio divan. Richardson, DI 4-3082.
- '56 BUICK Special Riviera hard-top, 2-tone, Dynaflo, R&H. Richards, AL 6-9740, 2929 Cardenas NE.
- '57 Electric stove, Admiral, w/automatic timer and two ovens, built-in rotisserie, \$260. Meyer, AL 6-3926.
- DRAPES, draw type, chartreuse 83"x106", \$20; 83"x86", \$10; rug, wool Wilton, wine color, 9x12 w/pad, \$10. Schafer, AL 6-2662 after 5.
- POWER LAWNMOWER, reel type, \$60; Storkline feeding table, \$6; bathinette, \$2.50; floor fan, \$12; ice skates, size 8, \$5. Frenkel, AX 9-3258.
- CHILD'S WADING pool, 6'x6'x12", used one season. Strasburg, AX 9-4214.
- AIR CONDITIONER, 2500 CFM portable, \$50; 3-speed window fan, \$25; wringer-type washer, Maytag, w/pump, \$60; girls bicycle, \$15. Lotz, AM 8-8489.
- CAR RADIO, Universal type, 6 volt, \$10; new twin size mattress, \$25; baby swing, \$6; 12" LP records. Anderson, AX 9-4616.
- '58 MG convertible, black, black top, white walls, red leather interior, Ricco, AM 8-1623 after 5.
- 7:10x15 TIRES, 2 W/W mud and snow, wheels, tubes, \$20; 2 Fenton mufflers, \$5; both for '55 Ford stationwagon. Ward, AL 6-9286.
- CLARINET w/case, \$40; Hunter Zephyr 2-speed reversible window fan, \$30. Troy, AL 6-4958, 3006 Georgia NE.
- '56 MOTOR SCOOTER, Lambretta, w/buddy seat and windshield, new paint, best reasonable offer. Goodwin, AL 6-7145, 1860 Georgia NE.
- EVAPORATIVE COOLER, Ranger portable, \$40. Belmore, AX 9-5770, 1612 Hendola Dr. NE.
- SINGLE SEASON membership in Menaul Aquatic club, original cost, \$25, can be applied on family membership, asking \$12. Belote, Ext. 37146.
- '57 MOTORCYCLE, Allstate, made in Austria, 5 h.p., 3-speed transmission, w/battery, generator and speedometer. Ingledue, AL 5-2089.
- CHINA CLOSET, solid mahogany, \$85; large air-fam armchair, \$45; 10 ft. tear-drop camping trailer, \$100. Bryant, AL 6-0139.
- '52 PONTIAC, 4-door, Hydramatic, R&H, new paint and seat covers. Cox, AX 9-0480 after 5.
- GAS RANGE, refrigerator, chrome dinette, \$200 or will sell separately. Shoemaker, CH 2-8028 after 5 p.m.

- BENDIX ECONOMAT, \$25. Beeson, AL 5-9275.
  - 2 BRM HOUSE, near schools, h/w floors, patio, landscaped, garage. Sanchez, CH 3-2504, 812 Wilmore Dr. SE.
  - '51 CHEVROLET, 2-door, new paint, new white-wall tires, new seat covers, R&H. Montano, DI 4-3797.
  - '52 CADILLAC, 4-door, all power equip., white walls, 2-tone, clean, \$995. Rouckus, AL 6-6335 evenings.
  - BOXER PUP, 10-weeks old, fawn coat, black mask, can furnish papers. See at 737 Arizona SE. Wright, AL 5-4038 after 5.
- #### WANTED
- HOMES FOR free kittens. Our usual assortment. Yours for the asking. Tatum, CH 2-9021.
  - TRAINING seat for boy. Gaskill, ext. 46264.
  - USED BICYCLES in good condition, reasonable. Boys 20" or 24"; girls 24" or 26". Lucero, AL 6-6375.
  - OLD PISTOLS, revolvers, rifles and powder flasks. Will pay cash, Smitha, 8607 Menaul NE, AX 9-1096.
  - MOTORCYCLE CARBURETORS, chain, sprockets; 8" tires, tubes; Wisconsin engine parts; complete Mustang or Cushman engines. Boag, AX 9-5939.
  - PISTOL OR TENT to trade for deer rifle or shotgun. Pritchard, AL 6-5667.
  - BABY SITTING at my home, 5416 Rosemont, by the week. Sikora, AL 5-7305 after 6.
  - WILL TRADE 3 br. brick house, 1 1/2 bath, 15 minutes drive to downtown Dallas for home equity in Albuquerque. Mackenzie, AX 9-3055.
  - TO RENT, furnished apartments needed to house summer hires and families for three months or longer. Call Employee Services, Ext. 26149.
  - POOL VACUUM at least 7" head or large type that can be used on a garden hose. Lambert, AL 5-9630.
- #### FOR RENT
- FURNISHED BEDROOM with or without kitchen privileges. Frock, AL 6-5684.
  - 3 BRM HOME, 1 1/2 baths, 15 minutes from base. Trujillo, AM 8-2097.
- #### LOST AND FOUND
- LOST: Female German Shepard, 10 months old, black and tan, answers to "Lady," lost between 11th and 4th NW. Villella, DI 4-3837.
  - LOST: Horn rimmed sunglasses; wedding band; 24" girls green bike with white trim; brown wallet with ID of W. Grisham; man's Benrus gold watch; unmarked envelope with folders inside; man's black English Hawthorne bike; wallet with ID of M. T. Metzler; cream colored jacket with eagle on back; clear plastic earring with carved pagoda; masonic ring; green wallet with ID of Lorraine Gonzales; ID of Mar Alice Fowler in plastic container; glasses with horn rim on top of frame in blue case. Lost and Found, ext. 26149.
  - FOUND: Sheaffer pen with name Wm. Braun; Austrian coin. Lost and Found, ext. 26149.

## Welcome Newcomers

May 26- June 6

<b>Albuquerque</b>	
Gilbert E. Andresen	7412
Amy C. Anez	2741
Sonny Bewley	2413
Hollis P. Elledge	2411
Louisa C. Hillis	2464
Sharon J. Jacobs	4135
Iola V. Johnson	7225
Willard L. McCormick	1621
Argyle D. McGillivray	7412
Dorothy M. Price	2441
Lucille M. Range	4135
Jane Rothanbargar	2222
James R. Rozell	2461
Joseph A. Ruggles	7412
Loyd L. Tackitt	2461
Emily L. Tapia	7225
Dianne J. Taylor	7225
Joseph V. Westaway	2731
Mary J. Wittek	4142
Anita P. Whatley	2731
M. June Woodley	7225
<b>California</b>	
Frank J. Cupps, Vallejo	8221-2
Kenneth T. Riddle, Livermore	8222-2
James G. Spirup, Concord	8221-3
<b>Illinois</b>	
Roger L. Kurlinski, Chicago	5214
<b>Maryland</b>	
Paul E. Livingston, College Park	1652
Leonard A. Kracko, Tacoma Park	1652
<b>Missouri</b>	
Loran D. Cole, Kansas City	7411
<b>North Dakota</b>	
John E. Frisby, Fargo	1522
<b>Oklahoma</b>	
Coy L. Moss, Bartlesville	1455
John W. Northrip, II, Stillwater	5132
Joe B. Zinn, Stillwater	5250
<b>South Dakota</b>	
James K. Fjelseth, Sioux Falls	2461
<b>Texas</b>	
Robert A. Graham, Austin	5131
John R. Lane, College Station	4141
Bobby M. Stringer, Bryan	2542
<b>Wisconsin</b>	
Leo C. Naumann, Manitowac	5214
<b>Rehired:</b>	
John H. Arnett	2551
David H. Denton, Jr.	1456
Ruth N. Miller	4135
William P. Morales	2411
John M. Willis	1456
<b>Summer Hires:</b>	
Virgil L. Anderson, Lafayette, Ind.	1463
James R. Barcus, Albuquerque	1626
P. Susan Bishop, Albuquerque	3152

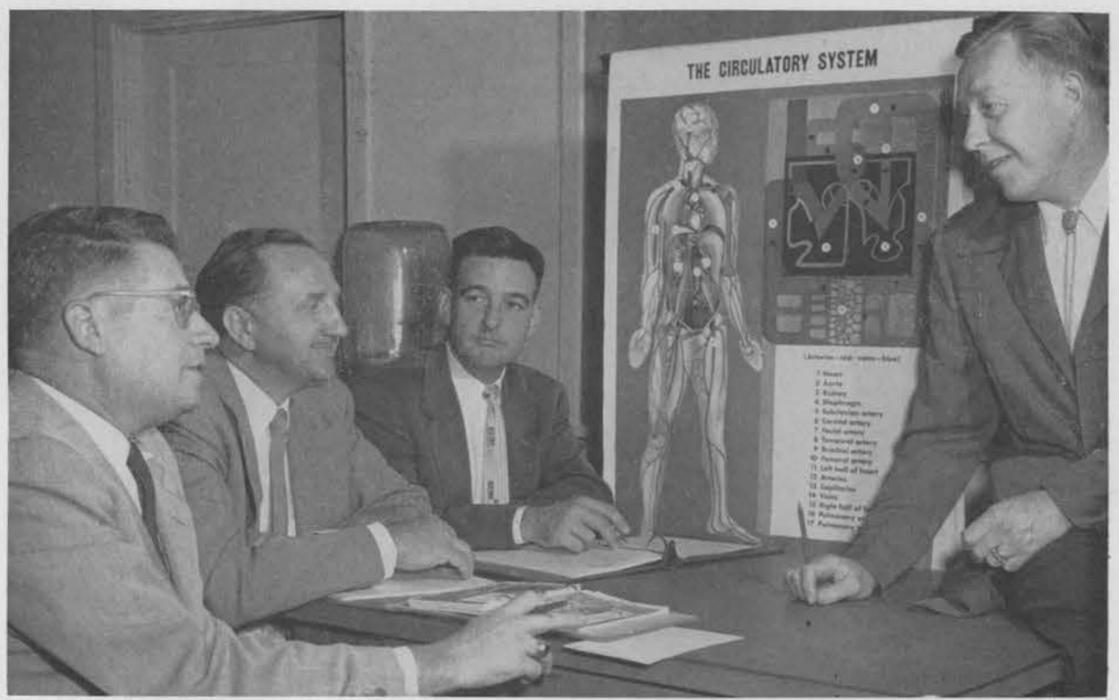
Olden L. Burchett, Stillwater, Okla.	2553
O'Neill J. Burchett, Stillwater, Okla.	1620
M. Ann Cartmell, Albuquerque	3153
Charles D. Clay, Albuquerque	2418
Wallis L. Coomer, Kansas City, Mo.	7225
John D. Gruer, Albuquerque	7410
Robert J. Hansen, Albuquerque	2418
Harry C. Hardee, Jr., Austin, Tex.	1473
Harry P. Hartkeimer, Columbia, Mo.	4140
Alexandra C. Heaston, Albuquerque	7221
Carol A. Kluver, Albuquerque	7225
Robert E. Kurlach, Albuquerque	5224
Rebecca G. Maglidt, Albuquerque	7225
Marion K. Marks, Albuquerque	3153
Fred O. Miller, Albuquerque	2418
Oliver D. Neece, Albuquerque	1651
Clyde J. Northrup, Jr., Albuquerque	2531
Raymond H. Pickens, Albuquerque	2418
Joseph S. Rice, Villanova, Pa.	1522
Dolores Salazar, Albuquerque	3152
Barry J. Sands, Albuquerque	7410
Barbara J. Smith, Albuquerque	7225
Truett B. Thompson, Albuquerque	1463
Tommy B. Thompson, Albuquerque	7410
Wayne H. Trump, Albuquerque	7410
Jon C. Wade, Albuquerque	7410
Thomas W. Welch, Albuquerque	2418

### Annual IRE Picnic Set for Tomorrow

An annual picnic is planned tomorrow by the Albuquerque-Los Alamos Section of the Institute of Radio Engineers at Pine Flats picnic area eight miles south of U. S. 66 on N. M. 10 highway.

Cold drinks and watermelon will be served beginning at 11 a.m. with games starting earlier. Picnic lunches and drinking water must be furnished by the participants, it was announced by Bob Spence (5223).

Installation of officers for the new year will take place at 3 p.m. at the picnic.



**FUTURE INSTRUCTORS** are these three Sandians Brown (5511) at right. The students are (seated) who have just completed a Red Cross (L to R) Marion G. Young (5522), Ted R. Blaz (7412) and Fred H. Schneider (7231).

### Livermore Changes Indicate Growth of California Branch

Changes in Livermore Branch's Administrative organization were made June 1 to keep operations abreast of branch growth.

Most of the changes were in the plant services and security department (8220), in which three new divisions were created.

N. J. Renaud is supervisor of the Reproduction and Mail and Record Divisions (8223), which will handle all reproduction, mail, and all correspondence, photographs and prints.

The Supply Services Division (8224), headed by J. P. Brock, will handle Shipping and Receiving, General Stores, Ordering Office and Plant Equipment, and related Record Control.

J. L. Rowe (8220) is acting supervisor of the new Model Shop Division (8225).

The new divisions were made by dividing responsibilities formerly in divisions 8221 and 8222 headed respectively by James McMinn and A. R. Eiffert.

Responsibility for Security and the information activities remains with Division 8221. Responsibility for plant engineering and plant services functions will still rest

### First Aid Instructors' Course Completed by Three Sandians

The first course to be offered at Sandia in preparing employees to become Red Cross first aid instructors has been completed with three Sandians becoming candidates for instructors' certificates.

James T. "Jim" Brown (5511), who qualified as a "teacher's teacher" last year, was instructor. The candidates for instructors' certificates are Marion G. Young (5522), Ted R. Blaz (7412), and Fred H. Schneider (7231).

#### Highly Trained

The three attended class one night a week for five weeks, reviewing first aid theory and techniques and learning class room instruction and testing methods. All had previously completed standard and advanced Red Cross first aid courses, a prerequisite for enrolling in the instructors' course.

All classes were held in Bldg. 300 and were coordinated by the Staff Training and Education Section (3123-2). Another instructors' class is planned to begin this fall.

This was the third year in Red Cross work for the class instructor, Jim Brown. He estimates that he has instructed more than 150 Sandians and their dependents in first aid, besides teaching many

Boy Scouts the techniques of life saving.

#### Came from Lehigh

Jim started work for Sandia in 1950, coming here from Lehigh University where he taught engineering subjects while working for his Master's degree in Industrial Management and Education. He received his Bachelor's degree in Industrial Arts at Northwestern University in 1946 and taught at the University of Illinois and William and Mary before going to Lehigh.

Since he has been at Sandia Jim has worked in the Personnel, Staff Services, Field Testing and Quality Assurance Organizations.

### Lecture Series Planned For UNM Math Professor

Arrangements are underway for a series of lectures during July and August by Ignace Kolodner, professor of mathematics at the University of New Mexico and consultant to 5120.

The talks will be based upon "Asymptotic Integration of Ordinary Differential Equations."

For further information contact Betty Trump, 5120 department secretary, at Ext. 34146.



Joan Lent



Jerry Dolson

**TWO SANDIANS** competed last night in the Miss New Mexico Beauty Pageant. The state's candidate for the Miss America contest in Atlantic City will be chosen tonight. Jerry Dolson (2461-2) has been at Sandia two and one-half years. Joan Lent (7225 assigned to 5513) returned to the Corporation two months ago.

### Jane Stanton Dies After Brief Illness

Jane Stanton, a Corporation employee for a little over a year, died May 28 after an illness of seven weeks.

She was a file clerk in Office Service Division 4333.

Mrs. Stanton, a widow, is survived by her mother, a brother, a 15-year-old daughter and an older married daughter.

Burial was at Sunset Memorial Park in Albuquerque.

### Robert J. Kastner Dies in Wisconsin

Word was received from Kohler, Wis., of the death of Robert J. Kastner.

He was employed by Sandia in December 1956 as an Inspector in Mechanical Inspection Division, 2722. A month later he was granted a leave of absence due to illness and was on extended leave at the time of his death.

Mr. Kastner, who was 32, is survived by his parents, two brothers and a sister.

### Salton Sea Test Base Plays Host For Meteorological Group Meeting

Sandia Corporation was host recently at Salton Sea for 25 members of the Meteorological Working Group, sub-section of the Inter-Range Instrumentation Group. The organization is composed of members representing the major test ranges of the nation.

Members discussed meteorological range instrumentation problems at the meeting.

W. T. Moffat (5240) opened the

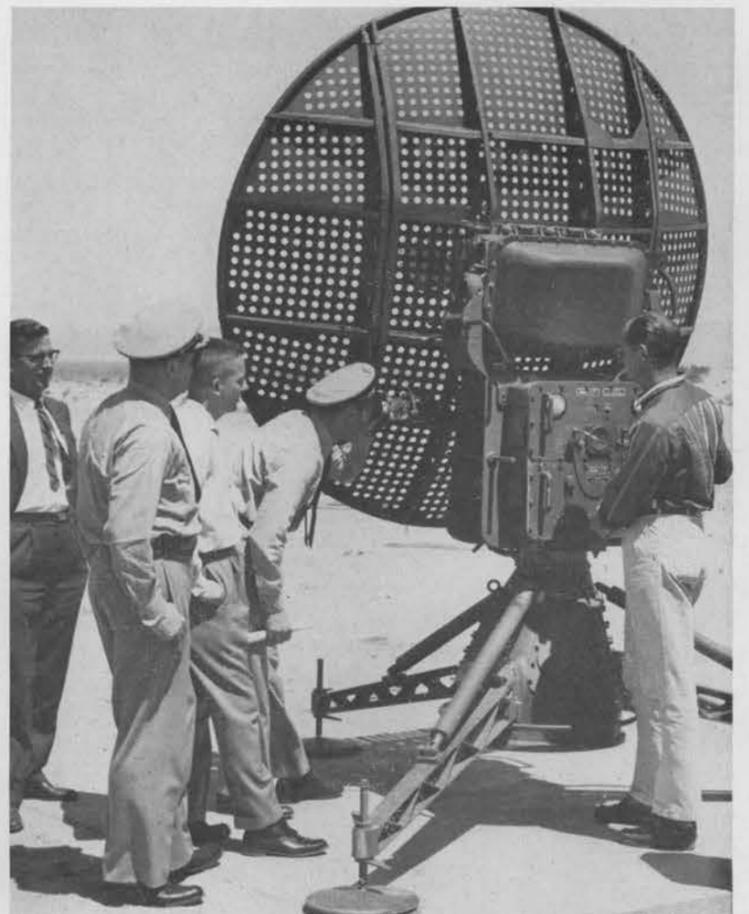
session with a welcoming address.

Two Sandians presented technical papers during the two-day program. H. J. Plagge (5243) discussed "Use of Meteorological Data at Sandia Corporation" and W. G. Rolloson (5221) presented "Humidity Transducer Discussion and Demonstration."

A tour of the Salton Sea Test Base and facilities was included in the program.



**CONTRAVES THEODOLITE**, new instrumentation at Salton Sea Test Base, is inspected by Abe Arnold, USASEL, Ft. Monmouth, N. J., during a recent meeting of the Meteorological Working Group at Salton Sea. Howard Austin (5214) is in the center and G. W. Rolloson (5224) is pictured at the right.



**METEOROLOGISTS** of the Inter-Range Instrumentation Group meeting at Salton Sea Test Base recently were given a tour of facilities. Here, members of the group examine a GMD upper air measurement system that records weather information from radios and balloons released into the atmosphere. At right is T. N. Earp.

## El Toro Houses Rowe Family When Matador Tactics Fail to Succeed

When Les Rowe (8220) saw what looked like a cow trying to squirm under the fence around his new home in Livermore last week, he walked over to shoo it away.

By the time he got close the animal had its head poked well under the fence. Les picked up a few pebbles and tossed them at the critter. It was then he discovered the "cow" was a "bull."

Les had hardly gotten inside his house when the bull heaved the fence up and came under it into the yard. Head down it charged a pile of grass, scattering it over the yard.

While Les, his wife and two young daughters kept quiet indoors the bull trotted onto the patio and glared balefully into the living room through the glass window wall.

"One move out of any of us and he would have come right through that glass," Les said.

Les made a few phone calls and when friends arrived to chase the bull out of the yard the bull ran right over to the spot where it came in, hoisted up the fence again, and trotted out.

### Back From Army



John W. Arnold

Back after a seven month army hitch is John W. Arnold (5142). He had been with Sandia about 10 months when ordered to report to Fort Chaffee, Ark., for training in an automotive mechanics school.

### UNM Degrees

College degrees were awarded two more Sandians during commencement exercises at the University of New Mexico this week.

Jean La Paz (5511) received a Master's degree in English. She already holds a BS in geology from the same school. At Sandia she is in technical writing and has been employed here three years.

John T. Tenbrink, supervisor of section 1225-1, will receive a Master's degree in Mechanical Engineering from the University of New Mexico. Previously he obtained a BS degree in Mechanical Engineering from Kansas State College.

A. V. McFarland (2461-3) received his Bachelor's degree in Education and plans to continue work toward his Master's degree. He has been with Sandia Corporation since September 1956.

Also receiving a degree was Marion K. Marks (3153), who was awarded a BA in Education.

### Toastmaster Honors

Sandia Toastmaster Club No. 765 has the distinction of having won the District 23 Club of the Year award for the third straight time.

Eddie Dugger of Carlsbad, chairman of the district education committee, presented the plaque to Ken Sutton (3151-1), club president. The club took the award over about 20 other groups from New Mexico and El Paso. Roger Johnson (2152) was named assistant Gallup and Albuquerque area governor.

### Chicago Meeting

Mrs. Bertha Allen and Charles Sargent (7221-1) attended the annual convention of the Special Libraries Association in Chicago June 8-11.

Mrs. Allen is president of the Rio Grande Chapter of Special Libraries. Mr. Sargent is past editor of the chapter bulletin.

### Article Sold

Hy Young (7422) recently sold an article, "Brother Can You Spare a Life," to the magazine *These Times*. The story is expected to appear in the July issue.

### New Homes

It was moving day recently for Roger D. Aden (1265) and his family who now live at 2923 Jefferson NE.

Another new home owner is August E. Binder (1265), who is getting settled with his family at 1852 Betts Street NE.

The "new house bug" also hit Marlene (5125) and Ray Dunaway (2462), who moved into 1108 Maxine NE last week.

Ann McIntyre (5125) is settled in a new home at 1117 Shirley NE.

New home owners are Bernice Cannon (2461-3) and her husband, who have moved to 11616 Love NE. Their son, Jack (2461-5) and his wife, Ann (formerly of 7226-1), have also moved into their new home at 1029 Maxine, NE, just around the corner.

Albert D. Barton (2733) is the proud owner of a new home at 9809 Woodland NE.

Frank Ross (2551) and family moved into their new house at 1858 Betts NE last weekend.

Neighbors of theirs will be L. D. Swanson (1451-3) and family, whose new address is 1813 Betts NE.

### PE Article

The May issue of *Product Engineering* contained an article by Clyde Millard (1621) entitled "Take the Guesswork Out of Clearance Hole and Drill Sizes."

The technical paper was based entirely on Mr. Millard's work in standards engineering.

He has been at Sandia five years and previously taught Industrial Engineering for 25 years at Cornell University. Mr. Millard also received his Bachelor's degree in Electrical Engineering at Cornell.

### At Shrine Conclave

Convention goes Margaret (3162) and Howard Reese (2132) are back from two weeks in Mexico City where they attended the Shriners conclave.

### Sandia Radio Hams On Rocky Mountain Division Program

Several Sandians will figure prominently in the convention of the American Radio Relay League Rocky Mountain Division to be held tomorrow and Sunday in Santa Fe.

Tom Banks (5252) will deliver a technical address on mobile antennas. Carl Franz (1473) is to be principal speaker at the novice luncheon.

Tom Marshall (1215) is chairman of the committee handling the mobile unit judging competition and Dean Yearout (1455) is chairman of the transmitter hunting competition.

All four men are members of the Amateur Radio Caravan Club of New Mexico, an affiliate of the American Radio Relay League.

The local group handled all of the mobile activities at the convention.

## Seek Additional Air Route Through City For East-West Travel

Officials of the Albuquerque Chamber of Commerce and other Albuquerque business representatives were in Washington, D.C. last week to seek approval for several airlines to operate non-stop flights from Dallas to Albuquerque and from here to the West Coast.

J. R. Spence, supervisor of the Traffic Division (2335) was with the C of C Group.

With Mr. Spence were Dale Elliott of the Albuquerque Chamber of Commerce aviation committee, Bob King, Chamber manager, and John Richards of ACF Industries.

The group appeared before the Civil Aeronautics Board (CAB) which is conducting hearings on the matter.

## Research Director S. C. Hight Takes New Position With Defense Agency

Stuart C. Hight, Director of Research at Sandia Corporation, has been invited to accept a position with the Advanced Research Projects Agency of the Department of Defense. If arrangements can be worked out he will report to his new assignment June 20.

Mr. Hight was a member of the Bell Telephone Laboratories' technical staff for 23 years prior to joining Sandia as Director of Research in 1953. He is a Fellow of the Institute of Radio Engineers and chairman of the IRE Section Committee on Education, IRE Scholarship Awards Committee and a member of the Association for Computing Machines.

Mr. Hight received his BS degree in Electrical Engineering from the University of California in 1930 and his Master's degree in Physics from Columbia University in 1934.

He described the Advanced Projects Research Agency, headed by Roy Johnson, as "the space agency of the Department of Defense, which administers many of the advanced research projects of the nation."

Dr. Herbert York, chief scientist for ARPA, is former head of UCRL, Livermore.

# Service Awards

 Jack Babb 5531 June 14, 1948	 George A. Arnot, Jr. 1456 June 14, 1948	 Raymond C. Coffey 4332 June 15, 1948	 Robert A. Ware 7325 June 21, 1948	 Rudolph O. Frantik 1591 June 3, 1948	 Willis D. Mason 7122 June 21, 1948
 Michael A. Lovato 2412 June 21, 1948	 Everett Cowan 2121 June 15, 1948	<b>10-Year Pins</b>		 Merrill E. Gentry 2163 June 21, 1948	 William E. Reed 7316 June 22, 1948
 George B. Bell 1626 June 21, 1948	 Alfred M. Hoge 1472 June 15, 1948	 Rosalie A. Gallegos 2225 June 6, 1948	 Wilson M. Hicks 2722 June 14, 1948	 Roy H. Keyser 7311 June 22, 1948	 Jack W. Reed 5232 June 15, 1948
 George G. Curry 5232 June 14, 1948	 Joseph A. Teresi 5522 June 14, 1948	 Mathias M. Torres, Jr. 5512 June 23, 1948	 Frank Duggin, Jr. 4332 June 7, 1948	 James W. Dillon 7315 June 14, 1948	 Rolland A. Glenn 5222 June 14, 1948

### Five Year Awards

June 13-19  
Ralph M. McGehee 1413, Orrin E. Smith 5150, Robert J. Burnett 1471, S. Thunberg, Jr. 1284, Leland D. Swanson 1451, Thomas K. Hill 5513, Leo P. Navoda 1612, Robert H. Rector 1283.

June 20-26  
John N. Johnson 3122, Richard M. Allan 4141, K. Dan Hardin 1451, Don T. Weems 1474, Jack D. Stewart 7312, Odilia S. Silva 7121.

### Two Year Certificates

June 13-19  
David K. Hanks 1222, Raymond F. Harlan 1612, Jerry A. Hood 1451, Theodore F. Roller 7411, Don S. McAlexander 2541, Calvin B. Rogers 5242, Donald E. Hightower 1245, Marilyn J. Howard 2551.

June 20-26  
Cecelia R. Gonzales 2464, James S. Reese 2553, George L. Anderson 1455, R. W. Jorgenson 1225, Richard A. Novaria 1215, Bruce E. Ercole 1411, Gerald Q. Wilson 5232, Richard K. Grover 1455.



NEW "MULE TRAIN" used by the Receiving and Reclamation Department (2160) transports material in the Sandia Corporation technical area, giving cargo a smoother ride on pneumatic rubber

tires. The train, shown here loaded with aluminum ingots, is driven by Avris "Blondie" L. McReynolds of the Handling and Delivery Section (2163-2). He is sitting in the "mule" part of the train.



INTERVIEWING TECHNIQUES of Roy Dunlap (2462) and Max McWhirter (1612) are perfected in learning to "Talk With People." Barney Goncher (3123), center, is an interested observer.

## Sandia Supervisors Offered 'Talking With People' Course

The first of a series of "depth courses" in supervisory skills, a course in "Talking with People," has been completed by 12 Sandia supervisors.

Offered by the Supervisory Development Section (3123-1), the three-day course at the Alvarado Hotel is open to all supervisors who have completed the supervisory orientation program or management development courses.

More than 300 supervisors have indicated interest in the new course. Seven classes have been scheduled through July and more will be conducted this fall to accommodate them.

Purpose of the new series, according to Don Jenkins, supervisor of the Staff Training and Education Division (3123), is "to provide supervisors with important tools for working with their people and improve the supervisor-employee relationship."

Other depth courses planned for the near future include "Getting and Giving Information" and "Leading Group Meetings."

The "Talking with People" course provides supervisors with practice in interviewing. Each supervisor conducts several interviews with other class members, is interviewed himself and observes interviews in progress. Recordings made of the interviews are played back for critiques.

Instructors teaching the course are Jack L. Dyer, George V. Porter, Jr., Frank F. Taylor and Frank E. Bell, all of 3123-1.

Supervisors who completed the first course are: Walter A. Adams (5521-2), Frederic C. Alexander (4111), Roy L. Dunlap (2462-3), Rudolph O. Frantik (1591), Robert S. Hewitt (4711-6), Jay W. Hughes (4325), Max McWhirter (1612-1), Randall Maydew (5142), Dan Parsons (5224-1), James L. Rogers (1521-2), Jack R. Sublett and Donald R. Weldon, Jr., (7225).

## Speaks to Los Angeles Quality Control Group

D. W. Ballard (1624) presented a technical paper this week before the Los Angeles chapter of the American Society for Quality Control. His paper was entitled "Application of a First-Production Evaluation System to Help Assure Materiel Compatibility and Functional Reliance."

## AIE Members to Visit Concrete Products Company

A plant tour of the Edgar D. Otto and Son concrete products company is planned for June 23 by the Albuquerque Area Chapter, American Institute of Industrial Engineers, beginning at 6 p.m. An informal dinner at an Albuquerque restaurant will follow the tour, it was announced by H. C. McIlroy (2511).

## Sandia Colloquium

Dr. Preston C. Hammer of the University of Wisconsin Math Department will speak on the topic, "Information, Communication and Language" at the Sandia Research Colloquium 9:30 a.m. June 18. Tickets are not required.



Charles E. Weld  
—earns UNM scholarship—

## Sandian on Leave At UNM Granted ASQC Scholarship

A Corporation employee was the recent winner of the 1958 American Society for Quality Control Scholarship at the University of New Mexico.

Charles E. Weld had worked for Sandia nearly five years when he was granted a leave of absence to enter the University. He was in 4111 at the time he left.

Although already holding a BBA degree in accounting at Woodbury College, Charles is now working toward a degree in civil engineering.

The award was established by the Albuquerque Section of ASQC to promote interest in the application of statistical methods and quality control in the engineering field.

## Height of Tracking Camera Fails To Stop Donna in Job Performance

Donna Martin could be about to go into a clog dance, but the fancy foot gear actually was a necessary part of her job equipment at Salton Sea Test Base.

The petite blonde is a math analyst in Data Reduction Division 5241. During recent ballistic tests she was at the California test range for a week and operated an Askania theodolite, which combines a motion picture camera and a surveyor's type instrument for determining the trajectory of inert bombs. The only problem was that Donna is 4'10½" tall and she was about eight inches short of reaching the eyepiece of the instrument.

Howard Austin, Salton Sea Field Operations Division supervisor, found the remedy. Joe Dirnberger, a camera technician, made wooden clogs ¼" high for Donna, but she also had to stand on a four-inch platform.

New tracking cameras are expected to eliminate any such problem—they are equipped with seats for the operators.

Donna has been with Sandia Corporation three years. She started as a file clerk in Personnel, advanced to secretary, calculator operator, data reduction clerk, and through the aid of math courses

## Sandians Visit WSPG See Missile Facility On Naval Reserve Tour

Several Sandia members of the Naval Reserve Ordnance Company 8-11 (Special Weapons) took part in a two-day training exercise recently at the Naval Ordnance Missile Test Facility at White Sands Proving Ground.

The group toured the desert ship technical and missile check-out areas and witnessed firings of the Nike and Talos missiles, it was reported by C. R. Cundiff (7132), who holds the reserve rank of Navy captain and is commanding officer of the company.

In addition to its annual tour of duty at White Sands, the company conducts regular meetings of a classified nature in Bldg. 849 at Sandia Corporation. All members of the company are "Q" cleared reserve officers employed by Sandia Corporation or the AEC.

The next meeting of the company is planned for July 9 in Bldg. 849. The speaker, Rear Admiral C. Shands, Deputy Commander for Navy, Field Command, AFSWP, will discuss new developments in naval ordnance.

Members of the company are: Ray Harrison (2441); Albert Harshman (3151), Sverre Johannessen (2541), Henry Laursen (5231), Walbert Levy ((1471), Roy Martin (1473), Keith Mead (1621), Dan Parsons (5221), William Shoemaker (1217), Ellis Turner (7422), Richard West (1455), Byron Wickett (1624) and Henry Willis (7241).

## Coronado Club Members Elect Eight to Board

Eight new members of the Coronado Club Board of Directors were elected this week at the ninth annual meeting of the club membership.

Elected to one-year terms were George A. Arnot, Jr., (1456-4); Frank F. Taylor, (3123); A. F. Cone, (5510); Mrs. Dorothy L. Miller, (7220); Joe Deveney, (1218), and Dick Clark, (5512).

Elected to serve two-year terms were Jack N. Hansen (7411) and Tom Dadian (2713).

## Dr. M. J. Kelly Visits Sandia Livermore Branch

Dr. Mervin J. Kelly, president of Bell Telephone Laboratories, visited the Livermore Branch last week to inspect the growing California facility and to be briefed on its operation.

A member of the Board of Directors of Sandia Corporation, Dr. Kelly was accompanied on the one-day trip by James W. McRae, Sandia Corporation president.



AIRLINE TICKET from San Francisco is received at the Livermore Branch by wire. The teleticket is operated by Lorraine George.

## Tickets by Wire Simplify Air Reservations For Livermore

Livermore Branch of Sandia Corporation now gets its airline tickets by wire. They come in on a new Teletype machine known as the teleticket — one of fewer than 10 such machines in the nation.

Sandia is the first commercial teleticket customer in the Bay Area. The system was installed to speed up getting tickets on any airline for travel by the Branch staff. Previously, airline tickets were picked up from nearby Parks Air Force Base. With the closing of the base, it would be necessary to drive at least 40 miles to buy the tickets.

The 100-pound machine, installed through the combined efforts of Bell Telephone Laboratories, Pacific Telephone and Telegraph Company, and American Airlines, gives airline customers fast service and fool-proof confirmation of travel reservations:

It works like this:

A staff member must fly to Los Angeles tomorrow. He calls the Branch travel clerk with his travel requirements. The clerk telephones the requirements to the American Airlines ticket reservation office in San Francisco, where a clerk in turn records them on electronic tape.

When the flight confirmation is made, this information is sent to

the Livermore teleticket receiver. Ticket forms, fed automatically into the machine at Livermore, are printed with the required information. When properly validated by the Livermore financial organization, these tickets are ready to use.

This operation ordinarily takes 24 hours, but can be done in a few hours when necessary.

## R. H. Williams Has Article Published in Electronics Magazine

A technical article by Richard H. Williams (1542) appeared in the May 23 issue of the engineering edition of *Electronics*.

The article, "Transistor Chopper Drives Accurate Clock," is based upon his work in the Electronic Test Equipment Department.

This is the first paper of Mr. Williams that has been published in a professional magazine; however, the thesis for his MS degree at the University of New Mexico appeared as a Sandia Corporation Technical Memorandum. He received his BS in Electrical Engineering from Valparaiso Technical Institute.

Mr. Williams has been with Sandia for five years.

## Sandia Sons Study Wave Forms, Powder Charge Performance

Chuck Maak (son of Charlie 1621-1) and Andy Nelson (son of Vince 1621-2) recently returned from the New Mexico Science Fair at Socorro with certificates of Honorable Mention.

Chuck's project concerned the effect of some variables on the performance of .30-'06 lead alloy bullets. The weight of the powder charge was varied, and fired bullets were then recovered from an oiled-sawdust bullet trap.

His exhibit at the Science Fair consisted of a panel incorporating photographs of test firing and recovering bullets, recovered bullets with observations made regarding them, sample components used in reloading cartridges, and a sample of the oil-sawdust mixture used. In addition, the rifle and bullet casting and reloading equipment were exhibited.

Chuck and his brother Bruce now reload all of the family's .30-'06 and .45 Colt ammunition.

Andy's exhibit was the demonstration of wave forms in the video and audio signal received on television. The television receiver was assembled from discarded parts. Andy built one of the oscilloscopes using standard electronic parts rather than wiring up a kit. The second oscilloscope was an assembled kit type.

## E. M. Arbogast to Retire on June 30

E. M. Arbogast (2112) will retire June 30 after 36 years with the Western Electric system, the past seven assigned to Sandia Corporation.



E. M. Arbogast

During this lengthy period Mr. Arbogast has worked at most of WE's installation organizations and was stationed for 15 years in Omaha, Neb., in the methods results division.

At Sandia he has been supervisor of Stock and Material Control Division for the past five years.

After retirement Mr. and Mrs. Arbogast plan to remain in Albuquerque, where they make their home at 8919 Fairbanks Road NE. As Mr. Arbogast notes, "We've traveled around a lot, but this is the best place to live."

Their married daughter is in Albuquerque and their son is stationed in Formosa.

Mr. Arbogast plans to spend part of his leisure time fishing and hunting and will probably also devote more time to gardening.



Donna Martin

—Ingenuity helped solve problem—