

# Here's Final Report Of 1960 ECP Drive \$136,740

A total of \$136,740 was raised during the recent ECP drive, according to a final report issued by the ECP committee. This includes the Corporation's gift, donations by the Sandia Laboratory Federal Credit Union employees and Anderson-Dunham Co., Coronado Club concessionaires. Sandia Laboratory employees contributed \$124,240.

Average contribution of all employees who joined ECP (which calls for a minimum gift of \$12) was \$24.59. Seventy-four per cent of Sandia Lab employees are members of the plan. A total of

87 per cent of all employees contributed some amount. Average of all contributions was \$21.67 per contributor.

Employees were mailed receipts for their donations last week. Those who are members of ECP also received a window display sticker listing the agencies included in ECP. Contributors should check their receipts for accuracy and refer any questions to M. D. Tucker (4131-1), ECP treasurer, ext. 29248, or M. J. Sektan (3431-2), ECP coordinator, ext. 45150.

The Albuquerque United Fund will receive \$103,000 which in-

cludes the Sandia Corporation gift of \$12,500. The remaining \$33,740 will be divided on a percentage basis among nine local chapters of national health service agencies. The agencies are: Albuquerque Association for Retarded Children, American Cancer Society, Bernalillo County Heart Association, Cerebral Palsy Association of Bernalillo County, Muscular Dystrophy Association of America, National Arthritis and Rheumatism Foundation, National Multiple Sclerosis Society, New Mexico Society for Crippled Children and Adults, and Albuquerque Association for Mental Health.

## Sandia Corporation **LAB NEWS**

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## Many Sandia Employees Help Plan Great Decisions Program

For the third consecutive year, Sandia Laboratory people will be taking an active part in "Great Decisions" when the 1961 foreign affairs discussion program is held next February. Meanwhile, a number of Sandians are working as members of the Great Decisions Committee, drafting plans for expanded community participation.

Last year some 100 fireside discussion groups were formed in Albuquerque to join in the month-long discussion program, and the committee hopes for a 100 per cent increase this year.

Committee members from Sandia are: Lynn E. Castle (3132), who served for two previous years as committee chairman; James G. Marsh (3423), chairman of the speakers bureau subcommittee; R. C. Colgan (3431), publicity chairman and coordinator of television activities; W. H. Puder (2631), and T. B. Sherwin (3431). R. A. Quelle (3122), who has served as secretary in the past, is also active again this year, and numerous other Sandians are assisting in various ways.

Great Decisions is a nationwide discussion program sponsored by the Foreign Policy Association, with headquarters

adjacent to the United Nations headquarters in New York City. The object of the program is to familiarize citizens with principal issues of foreign policy and to provide basic information which will enable them to speak and write more knowledgeably on these important matters.

There are no "experts" in the program, as all participants are friends and neighbors who review prepared material, supplemented by outside reading of their choice, and then discuss the topic of the week in two-hour sessions held one day or evening a week for eight weeks.

Topics for Great Decisions 1961 are:

- Deadlock over Germany
- Soviet Challenge and World Leadership
- France and Western Unity
- Japan—Future of an Asian Ally
- South Africa and An Explosive Continent
- The Americas in Jeopardy
- Arms and Survival
- Blueprints for The World Economy

On the Sandia Laboratory booklet racks this week are copies of a leaflet entitled "Who Me?" The pamphlet explains the program and gives some information about

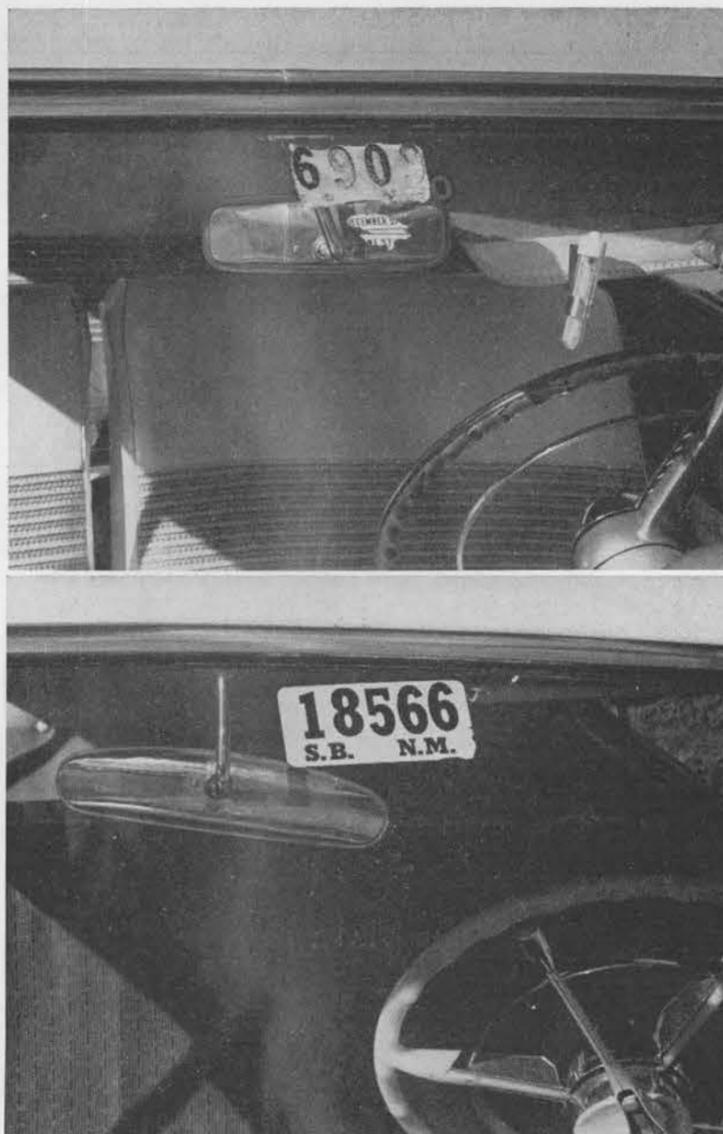
how to participate in Great Decisions. The only cost is \$1.50 for the set of fact sheets needed to prepare for the weekly discussions. A set will suffice for a couple. Discussion groups normally include five or six couples, meeting in private homes.

### AEC Seeks Bids For Changes in 861 Air Conditioning

The Atomic Energy Commission has advised contractors that bids are being invited this week for modifications to the air conditioning system of Bldg. 861. Bids are scheduled to be opened Dec. 29.

The project will include furnishing and installing new heating and cooling coils, converters, pumps, dampers, controls, starters and electric wiring; installing government-furnished fan and water chiller; and modifying existing duct work, piping and controls. Work is to be completed within 100 days after the contractor receives notice to proceed from the AEC.

Hal Baxter (4543-2) is the Plant Engineering Department project engineer.



FADED DECALS like the one shown in top photo must be replaced if the owner of the vehicle desires to continue driving on Sandia Base, according to the Provost Marshal office. Military police will be citing motorists with faded decals for failure to comply with base regulations. Make sure your decal is as readable as the one shown below and if not see that it is replaced with a new sticker.

## 'Bicycle Extending' Program Hopes To Give Tech Area Walkers A Break

Bicycle—"A light vehicle having two wheels, one behind the other. It has a steering handle and a saddle seat, and is propelled by the feet upon treadles connected with cranks or levers." —Webster

If you can ride a bicycle, your walking days at Sandia Laboratory are over. Well, almost.

All Sandia Laboratory bicycles and racks have been painted white, and anyone wishing to use a bicycle on official business may select one from any of the 14 racks now located in Area I. The bicycle would then be parked in the rack nearest the rider's destination.

Motor Pool personnel (4573) will redistribute the bicycles periodically so that there are some bicycles in each rack.

Persons using bicycles should be familiar with SCI 2104 which gives rules for use of bicycles within Corporation areas. The bi-

cycles should be used only in Area I or immediate vicinity.

Previously, bicycles were assigned to specific organizations which were responsible for them.

Suggestions for improving this service, or for the need of additional bicycles for any rack, should be directed to S. D. Brooks (4573), ext. 19143, or H. W. Clay (4573-1), ext. 38165.

Following are location of racks: Bldg. 861, East entrance; Bldg. 802, entrance to South Wing; Bldg. 804, Northwest corner; Bldg. 818, South end; Bldg. 834, West end; Bldg. 836, East side; Bldg. 864, Northwest corner;

Bldg. 860, main entrance; Bldg. 887, main entrance; Bldg. 884, Northeast corner; Bldg. 880, South of building (center) and Northwest corner; Bldg. 892, Northwest corner; and Bldg. 894, East of building (center).

## Construction Starts on New Sandia Lab Research Bldg.

Excavation is underway and forms are being placed for Sandia Laboratory's new Research Building, otherwise known as Phase II of existing Bldg. 861.

The building will be similar in size and appearance to the Materials and Standards Laboratory and will be connected on the second and third floors by enclosed passageways.

Phase II will be occupied by members of Nuclear Burst Physics Department 5110, Physical Research Department 5130, Physical Sciences Research Department 5150 and Mathematical Research Department 5420. It will provide office and laboratory room for more than 200 persons in its 60,000 sq. ft. of space.

Building construction, which will cost \$1,279,700, is scheduled to be completed in August 1961; however, it will probably be early 1962 before the organizations can move in.

According to V. E. Kerr (4543-

3), project engineer for Plant Engineering Department, the building will feature versatility in its partitioning. Windows, light fixtures and fire sprinkler heads are being located to permit partitioning areas as small as eight ft. square or as large as the entire floor. The only fixed partitions will be in rest rooms.

A unique feature will be use of a common fixture for heating, cooling and lighting. "We needed something like this to carry out the modular theme," Mr. Kerr said. "Our suppliers designed the fixtures for this building and, due to popularity, they have now become shelf items."

Air diffusers will be located under windows of the building to supplement the system.

The Research Building will have a cooling tower and heating room separate from Phase I. A partial basement will house mechanical

(Continued on Page Three)



HOLE IN GROUND beside Bldg. 861 is construction site for new Research Building, slated for completion in early 1962. The three-story structure will contain 60,000 sq. ft. of laboratory and office space.

**Editorial Comment**

**Only 15 Giving Days . . .**

When that Spirit of Christmas stirs our Sandia employees good things happen.

This year, as in the past several years, many Sandia employees have decided to forego sending greeting cards to each other and are taking that money to invest in charitable activities. Working with welfare organizations such as the Community Council has made the task easier and has guaranteed that recipients of Sandians' generosity are deserving.

There is no doubt that good is done through this spontaneous giving.

The question does occur to us, though, as to who gets the most enjoyment out of the activity, the donors or the recipients. Last year the **Lab News** carried a picture of a group of youngsters getting some Christmas shoes at a local store — paid for by Sandia employees. The kids were happy, as the camera showed, but the Sandians, not in camera range, appeared to us to be even happier. We saw this joy elsewhere too as the day before Christmas boxes were being lugged to cars, toys were given that final check-out, and food was packed into boxes.

It's not too late to get in on the joy of giving to the less fortunate. If your organization hasn't made plans, do so now — there are only 15 more giving days until Christmas.

**Sandian Who Serves**

**H. V. Catt Serving As President Of New Mexico Rehabilitation Center**

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



—H. V. Catt—

New president of the New Mexico Society for Crippled Children and Adults is Harold V. Catt, supervisor of Financial Division 6021. He is also president of the New Mexico Rehabilitation Center.

Hal became interested in the Society in 1957 when he learned an accountant was needed. He was treasurer of the group for two years, and last year was elected vice president.

As president, Hal has a two-fold job. He formulates and coordinates program and policy for the overall state Easter Seal campaign, which is the major fund raising activity of the group. The Society also sponsors a summer camp for crippled children and has a training program for handicapped persons to learn "home-bound" trades.

Hal also provides the leadership necessary to coordinate the multi-functions of the Rehab Center. These include out-patient clinic, vocational and psychological testing and counseling, and speech and physical therapy.

"It's difficult to get people interested in volunteer work," Hal says, "but once they do participate they'll find it quite worthwhile. It certainly gives me a feeling of satisfaction."

Periodically, meetings are held at the Rehab Center to acquaint

**Observe 50th Anniversary**

F. W. Thomason, a retired Sandia Corporation employee, and his wife observed their 50th wedding anniversary Nov. 29 with an open house attended by about 100 friends from New Mexico, Kansas and California.

Hosts for the party were their daughter and son-in-law, H. W. Waldorf (7251).

The Thomasons were married in 1910 in Great Bend, Kan. Mr. Thomason was employed by Sandia nearly 10 years before his retirement four years ago.

**Sympathy**

To Florencio Baca (4574-2) for the death of his father-in-law in Albuquerque Nov. 18.

To Felix Hendren (4224-4) for the death of his father-in-law on Nov. 28.

persons with its work. Hal says that he'd be glad to give anyone further details on this.

Hal is also on the board of directors of the New Mexico Society of Certified Public Accountants, and is a member of the National Accountants Association.

**Venturesome Type Can Live-It-Up In Parachute Club**

Like the feel of nothing between you and the ground but air — several thousand feet of it? If so, the Albuquerque Sports Parachute Club is for you. The club is seeking more members.

Club membership is open to both civilian and military personnel. All types of jumping are being emphasized, including the latest fad of sky diving, delay drops, spot landings, etc.

Parachute jumping is not as dangerous as it seems, according to club president Henry Gabaldon (Kirtland AFB), ex-paratrooper and veteran of more than 60 jumps. "It is for people who love flying and fun," he said.

Prospective members may contact Leo Gonzales (4621-2) at CH 2-5084.



**SAFETY CHECK** of equipment is being given Leo Gonzales (4621-2) by fellow member of local parachute club before Leo jumps.

**Marie Terry Will Retire Dec. 30**

Marie Terry (3126) will retire Dec. 30 after nine years at Sandia.

Until a recent illness she had worked for five years in Division 7231 in Bldg. 880.

Mrs. Terry intends to remain in Albuquerque at 704 14th St. SW (Apt. 2). Her mother lives with her.

Music is Mrs. Terry's real love and for 30 years she taught voice and piano.

A little later she hopes to visit her four sons and become acquainted with her 11 grand children. Two sons are physicians in Chicago and San Francisco, another is head of General Electric's ceramics department in Fort Wayne, Ind. The fourth is an attorney with the armed forces at Kaiserslautern, Germany. He will be in Albuquerque with his family for a visit in February.



**FLOATING DOWN** for a soft landing (he hopes!) is Leo Gonzales (4621-2), an active regular member of the Albuquerque Sports Parachute Club.



**"PINK ELEGANCE"** is fitting theme for Coronado Club decorations designed by the Sanado Club. (Back row, 1 to r) Mrs. Homer McIlroy was general chairman for decorations assisted by committee chairmen Mrs. Lowell Walker, (front row, 1 to r) Mrs. Howard Shelton and Mrs. Carl E. Drew. These decorations are hand made.

**'Pink Elegance' Theme Of Coronado Club's Holiday Decorations**

For the third year Sanado Club members have decorated the Coronado Club for the enjoyment of all during the Christmas season.

Ornamental trees and other decorations will help carry out the theme of "Pink Elegance."

Mrs. Homer McIlroy has served as general chairman for decorations. Assisting her were: Mrs. Lowell Walker, in charge of La Cana room and stairway decorations; Mrs. Howard Shelton, chairman of the group making the topiary trees, and Mrs. Carl E. Drew, in charge of the ornamentation for the fireplace and east wall of the ballroom. Each committee has had at least five other members working on it.

A 3' x 5' mirror in fancy scalloped frame has been placed above the fireplace to reflect the five ft. sunburst star on the opposite wall with its tinsel, silver and pink balls.

**Cadet Promoted**

Clyde Northrup, Jr., has been selected to serve as Brigadier Executive Officer (cadet rank of Lieutenant Colonel) within the Army Cadet Corps at Oklahoma State University, Stillwater. The selection is based on high potential leadership, and high academic and military grades.

Clyde is the son of C. J. Northrup (7252) and has worked three summers at Sandia in the Field Testing organization. He will receive his Bachelor's degree in mathematics in February and a BS in physics in June.

**Congratulations**

Best wishes are extended to Lois Arnold and Shawkeet Hindi on their recent marriage. The couple is now residing at 1042 Buena Vista SE.

Lois was a 1960 summer hire in division 5511 and Shawkeet (3462-2) has worked for the Corporation since March 1957.

**Congratulations**

**Born to:**

Mr. and Mrs. C. O. Dowd (1422) a son, Charlie Odell, II, on Nov. 9.

Mr. and Mrs. A. J. Chabai (5112) a daughter, Patricia Louise, on Nov. 22.

Mr. and Mrs. Billie L. Palmer (6021) a daughter, Cathy Ann, on Nov. 28.

Mr. and Mrs. Donald A. Lloyd (8155-1) a daughter, Christen Elizabeth, on Nov. 15.

Mr. and Mrs. Ray P. Reed (5131) a daughter, Patricia Lynne, on Nov. 17.



Arleen Mick (3420)

**Take a Memo, Please**  
Practice safety. Don't be a man of extinction.

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ARTIST'S DRAWING of Research Building 861 Phase I, 861. Both structures are located (Phase II) shows similarity in architecture to near the southwest corner of Tech Area I.

## Research Building

(Continued from Page One)

and electrical equipment for the building.

Offices will be located around the outside of the floors with laboratory space in the center. An east-west corridor will separate the laboratory areas. Thirteen utility chases, spaced along the center line of the building, will carry various electrical and piped services up to the laboratories from a utility tunnel in the basement.

"We felt this arrangement would provide better control of environmental conditions and better services for the laboratories," explained J. D. Shreve (5111). Mr. Shreve has coordinated the research organizations' planning for the building.

There will be a reading room containing standard reference books and scientific journals and a stockroom outfitted with scientific supplies.

There will be two outside doors and stairways on each end of the west side of the building in addition to an outside entrance on the east side. A combination passenger and freight elevator will be in the building.

## Know Your Law

### Important To Know What To Do When You Are Involved In Auto Accident

Published As A Public Service By The State Bar of New Mexico

According to official traffic safety tables there is a fair chance that you or a member of your family may be involved in an automobile accident in the next 12 months.

Probably you haven't given much thought to what you'd do in case of an auto accident, but it may be quite important to you to follow basic rules to comply with the law and to protect your rights. They are:

1. Stop. Never drive away—even from a minor bump — without checking to learn if there are any damages or injuries. Call the police, sheriff, or state police immediately, and remain on the scene.
2. If anyone is seriously injured, get a doctor or an ambulance, whichever is quicker. Do not move the injured person in a way that can add to his injury. If he is lying on the ground, cover him from the neck down.
3. Get the other driver's name, address, car license number. Ask him to show you his driver's license and be prepared to show him yours. Get the driver's license number.
4. Get the names and addresses of all persons involved in the ac-

## All Faiths Receiving Home to Seek Funds for New Building

Starting this week, a drive begins by the All Faiths Receiving Home to raise funds for construction of a second building to serve Albuquerque. The home, a non-profit partially tax-supported organization, provides temporary care for non-delinquent children who are abandoned, lost, neglected or otherwise without family or home.

Prior to 1956 when the All Faiths Receiving Home was established by a group of concerned Albuquerque citizens, children in such circumstances were housed in the Juvenile Detention Home.

Since All Faiths went into operation, 1100 children have received care. Infants as young as three weeks of age have been brought to the home.

C. H. DeSelm (3100) is a member of the All Faiths Board of Directors. Active in the current fund raising drive, Mr. DeSelm points to the great need for an additional building.

"Our present building," he says, "was designed to house a maximum of 15 children. About 23 children each day have been the average. As many as 35 children have been housed in the Home at

one time. The Home is an 11-room house fronting an apple orchard on Isleta Blvd. Its doors are open 24 hours a day to non-delinquent children of every race and creed in need of temporary care."

Philip Wesson, retired Sandia Corporation General Attorney, is also a member of the All Faiths Board along with wives of several Sandians. They are Mrs. R. E. Butler, Mrs. J. J. Miller and Mrs. H. T. Stump, Jr.

The All Faiths Home is not a member agency of the Albuquerque United Fund because it is partially supported by tax revenue. It receives no funds from the Sandia Laboratory Employees Contribution Plan.

The difference between the Department of Welfare funds provided for the Home and actual operating costs has been met by interested individuals and groups.

## Numerous Articles by Sandians Appear Recently in Tech Journals

Publication of numerous technical articles by Sandia Corporation authors in recent months was reported in a quarterly report issued by Technical Information Division 3421.

Among those not previously reported in the Lab News are the following:

"Dissipative Functions and Invariant Imbedding," Richard Bellman and Robert Kalaba (both Rand Corporation) and G. M. Wing (5421), *Proceedings of the National Academy of Science*, August 1960. "Half-Wave Cylindrical Antenna in a Dissipative Medium: Current and Impedance," C. W. Harrison (1424), *Journal of Research*, July-August 1960.

"Invariant Imbedding and Mathematical Physics: I. Particle Processes," Richard Bellman and Robert Kalaba (both Rand Corporation), and G. M. Wing (5421), *Journal of Mathematical Physics*, August 1960.

"A Method of Butt-Welding Small Thermocouples 0.001 to 0.010 Inches in Diameter," C. M. Stover (7224), *Review of Scientific Instruments*, June 1960; "The Midot-Missile Tracking System,"

T. L. Pace (7223) and T. V. Crawley (7221), *Military Systems Design*, February 1960.

"On the Mean Ergodic Theorem for Subsequences" J. R. Blum (5425), *Bulletin of the American Mathematical Society*, July 1960; "Quadrature Formulas Involving Derivatives of the Intergrand," H. H. Wicke (5421), *Mathematics of Computation*, January 1960.

"Relative Importance Factors in Layout Analysis," G. E. Anderson (7511), *Journal of Industrial Engineering*, July-August 1960; "Solar Furnace Determinations of High-Temperature Absorption Coefficients," R. G. Struss (5431), *Solar Energy News*, April 1960; "Systems Analysis Using Digital Computers," G. W. Rodgers (1424) and W. F. Nielsen (1424), *Electronics Industries*, August 1960.

"Theory of Coupled Folded Antennas," C. W. Harrison (1424), *IRE Transactions on Antennas and Propagation*, March 1960.

"Transmission-Line Missile Antennas," R. W. P. King (Sandia Consultant), C. W. Harrison (1424), and D. H. Denton (1424), *IRE Transactions on Antennas and Propagation*, January 1960.

## Fire Prevention Experts Tell How To Keep Christmas Festivities Safe

The National Board of Fire Underwriters has some timely advice for families who are looking forward to a happy Christmas. Their cautions help bring about a fire-safe Christmas.

When selecting a Christmas tree this year, choose a freshly cut tree, with firmly attached needles. Keep the tree outdoors until just before Christmas. It will stay fresher in the cold air, and once you put it up it will stay greener longer. And keep it standing in a pail of water.

When putting up a tree, set it in the coolest part of the room, away from radiators, heaters and the fireplace. This will not only reduce the possibility of fire, but will keep the tree from drying out.

Fire-proof Christmas tree decorations are best. Use decorations made of either glass, metal, or some other fire-resistant material. Set up electric trains away from the tree. A spark from the train could set the tree on fire.

Always use electric lights on the tree, never candles. Lighting sets should be checked before placing them on the tree and those with frayed cords should be discarded. Always turn out Christmas lights when the family is away from the house.

Inspect the Christmas tree from time to time to see how dry it is. If needles near lights have started to turn brown, change the position of the lights. When the needles start falling, take the tree down and discard it outdoors.

Even if your tree remains fresh, make plans now to discard it the day after New Year's.



PROGRESSING RAPIDLY, construction of SPRF (Sandia Pulsed Reactor Facility) is estimated at 80 per cent complete. Shown above with the schedule is the Plant Engineering Department 4540 project team, (l to r) Dick Dye, R. M. Simmons and Vernon Kerr, project engineer. Personnel of Radia-

tion Effects Department 5430 will occupy the site early in 1961 and the small reactor will go critical shortly afterwards. Nuclear components of the reactor have been checked out at Los Alamos Scientific Laboratory and are waiting installation in the concrete sphere shown in background above.

## Glamourized Mail Boxes Will See Service in Sandia Security Program

Mail early this holiday season . . . but not in the new red and white striped boxes which have been placed at various points throughout Sandia Laboratory.

Beginning Monday, Dec. 12, these boxes will be used as classified waste receptacles in an effort to simplify and centralize the daily collection of classified waste.

Over the past few months use of the classified burn bags has reduced by 50 per cent the number of infractions caused by improper

handling of classified waste. The new receptacles for the deposit of the burn bags should further reduce the possibility of infractions, reports the Security Standards and Development Division.

The mail-box type of classified waste receptacle was first tried at AEC headquarters in Washington and at the Oak Ridge Laboratory in Tennessee. Its acceptance at these places has encouraged other security organizations to use this distinctive box.

Here at Sandia, Plant Engineering, the Safety Department, and the AEC have all given their approval for placement and use of these colorful waste receptacles.

The Security Division asks that once the boxes are in use, only classified waste in the red-striped burn bags (which must be stapled shut) be placed in the receptacles. No glass, metal, lunch papers, newspapers, etc., are to be placed in the boxes.

Classified waste may be deposited at any time during the work day, as long as the box is not full. If the box is full, do not leave the BURN bag on top of the box. Take it to another box or keep it secured until the box has been emptied.

Removal schedules will be approximately the same as in the past or upon demand by calling the number indicated on the boxes.

Final reminder—if you do drop a letter in the Classified Waste Boxes, don't expect delivery!

## R. J. Edaburn Died Of Heart Attack On November 23

Ralph J. Edaburn suffered a heart attack Nov. 23 and died a short time later. He was 52.



He has been employed by Sandia Corporation for six years and was a model and instrument maker in Project Section 4254-1.

Survivors include his widow, two sons, a married daughter, five grandchildren—all in Albuquerque—and two sisters.

Funeral services were conducted Nov. 26 with interment at Fairview Park cemetery.

## Supervisory Appointments

C. N. GILES to supervisor of Instrumentation Division 7312, Facilities and Instrumentation Department.



"Giles" has worked in either environmental testing, facility design, or instrumentation during his

eight and a half years at Sandia. He has been a section supervisor since January 1956.

Prior to coming here Giles was attending the University of Oklahoma, where he received a Bachelor's degree in electrical engineering. During this period he also worked part time in the Oklahoma Gas and Electric Company's relay department.

He is a member of Sigma Tau, Tau Beta Pi, and Eta Kappa Nu, engineering honoraries.

While serving two years in the Navy he participated in Operation Crossroads.

LAWRENCE B. DeSAULNIERS to supervisor of Military Publications Division I, 2322, Military Publications Department.



"Larry" has been at Sandia nearly six years and has been a section supervisor in the same department since May 1958.

Prior to coming here he was assistant to the advertising manager of the American Laundry Machinery Company in Cincinnati for two and a half years. He also worked a year with the Crosley manufacturers in production control.

He has a Bachelor's degree in philosophy and political science from Boston College, and has completed some advanced study in philosophy at the University of Cincinnati.

After his formal study Larry had a teaching fellowship in philosophy for a year each at Xavier University and the University of Cincinnati.

During World War II he served four years in the Navy.

JOHN D. PATRICK to supervisor of Components Section 7312-1, Instrumentation Division.



John has been working in the Facilities and Instrumentation Department since he came to Sandia in January 1959.

Previously he was a division manager for Hoover Electronics in Albuquerque for two years and before that was with Army Ordnance for five years as an instrumentation engineer at White Sands Proving Ground. John also worked two years as an instrumentation engineer for International Minerals and Chemical Corp. at Carlsbad, N. M.

John received his Bachelor's degree in electrical engineering from the University of California at Los Angeles and is a member of the Instrument Society of America.

H. D. SIVINSKI to supervisor of Facility Planning Section 7311-1, Facilities and Instrumentation Department.



"Jack" has been working in the design and planning of testing facilities since he came to Sandia

in April 1957.

Prior to employment here he was an undergraduate teacher at Iowa State University, where he received his Bachelor's degree in mechanical engineering. He was a member of Pi Tau Sigma, honorary society.

From 1953 until mid-1956 Jack was a part-time assistant to a project leader at the University's Engineering Experiment Station, conducting research in synthetic aggregate made from bituminous shales.

He also worked a short period as a design engineer for Cushman Motor Works in Lincoln, Neb.

Jack was in the Army from 1944-47 and again from 1948-52.



SURPLUS MAILBOXES, painted a bright red and white, are being used by Security Standards and Development Division 3231 as classified waste burn

receptacles. Al Amato (3231-2), above, handled arrangements for locating the mailboxes at proper and convenient locations throughout the Tech Area.

## Christmas Social Season Looks Great as Sandia Lab Organizations Plan Parties

Let's have a party.

And that's exactly what Sandia organizations are doing as the Christmas season draws nearer.

Tonight, Department 5430 will hold their Christmas party in the Coronado Club's La Cana Room beginning at 8 p.m. Chips and dips will be provided for all guests.

In La Cana Room tomorrow night, Dec. 10, will be Department 5130. A buffet will be served from 7 to 8:30 p.m., with dancing from 9 to 1. Skits presented by personnel in the department will be a highlight of the evening.

Members of 3450 will hold a dance tomorrow night from 8 to 1 in the ballroom. Dancing will be to the music of Al Hamilton's orchestra. Chips and dips will be provided, as well as entertainment, according to Tom Fox (3453-1), party chairman.

On Dec. 13, Ernie Ricardo's orchestra will play for the 1100

Christmas dance. The doors open at 7:30 p.m., and dancing will be from 8 to 12. Chips and dips will be on tables throughout the evening. Don Johnson (1121-1) is party chairman.

The same evening Division 7223 will be marking the holiday season with a buffet dinner-dance in La Cana Room. The buffet lines will be open from 7 to 8:30 and dancing will be from 9 to 1, reports Bob Matthews (7223-1), chairman.

The ballroom on Dec. 15 will be occupied by members of 2600. The buffet will be served from 7 to 8:30 p.m., with dancing following from 9 to 1. Tommy Kelly's orchestra will play. Party co-chairmen are Bill Meyer (2622-1), Bill Puder (2631-1) and M. J. Lew (2644).

Saturday, Dec. 17, Division 1431 will hold a party in La Cana Room. The buffet will be served from 7 to 8:30 p.m., followed by

dancing from 9 to 1. Entertainment by comedienne in the division may be provided.

Last year's 3460 party was such a success that they're planning to do the same thing again on Dec. 20. Buffet will be served from 7:30 to 8:30 p.m., followed by dancing from 9 to midnight. Saul Chavez and his orchestra will play for dancing. Doris Welch (3461) is chairman of the party.

About 500 persons are expected to attend the 4400 Christmas party, Dec. 22. Jack Shearing's orchestra will play for dancing following the buffet which will be served from 6:30 to 8:30 p.m. Door prizes will be awarded during the dance, says Pete Fessia (4412), chairman.

Technical Art Division 3463 will hold their annual party in La Cana Room on Dec. 23. Entertainment will be provided for the event which starts at 8 p.m.

## Coyote Canyon Tests to Be Conducted in December

Three experiments, utilizing high explosives and natural uranium, are slated to be conducted this month by Sandia Laboratory to study dispersal of fissionable materials.

Called Operation Moonlight, the test is part of a continuing program to determine the possible effects of accidents which might involve nuclear reactors or the chemical explosives in nuclear weapons.

About 500 collection devices (sticky pieces of sheet metal) will be placed throughout an area roughly bounded by the west side of the Manzano Mountains, the northern boundary of the Isleta Indian Reservation, Highway 47 and East Central.

These passive collectors and suction air samplers will be used to detect the presence of uranium metal, oxidized and dispersed by the detonation of 300 lbs. of chemical explosives. The blast site is in Coyote Canyon in the Manzano foothills, about eight miles from the nearest homes.

The test times are particularly dependent upon weather since soil in this area naturally contains uranium. An hour-long mild dust storm circulates in the air approximately the same amount of uranium as a detonation of this type

would disperse at a distance of four or five miles from the blast site. There is no health hazard from the experiments.

Program director for Operation Moonlight is Maynard Cowan (5131), with D. G. Palmer (7251-2) serving as test director and operations officer. Members of the Coyote Test Field Section are responsible for most phases of the actual detonations.

Chemical analysis of the samples will be directed by Industrial Hygiene Division 3311.

## The Calendar

Dec. 10

American Welding Society  
Christmas Party  
Silver Spur Restaurant  
Social Hour: 7 p.m.  
Dinner: 8 p.m.  
Dancing: 9 til 2 a.m.  
For tickets call Orrin Leach  
ACF, CH 7-0261, Ext. 591

Dec. 13

American Meteorological Society  
Rm. 253, Administration Bldg., UNM  
Technical Meeting: 7:30 p.m.  
Speaker: Robert F. Gentzler (7243)  
Topic:  
Weather Problems in Aircraft Nuclear Propulsion  
Development at General Electric Corp.  
For more information call Mr. Gentzler,  
Ext. 29234

This information was compiled by the Council of Technical and Scientific Societies.

## Tickets for New Year Festivities at Club Now Are on Sale

Members of the Coronado Club may now buy their tickets for the club's annual New Year's Eve party. Price is \$3. Tickets for guests, which go on sale Dec. 26, are \$4. The admission price includes a free breakfast.

Two bands will be playing for the event. Leigh Sprague will be in the ballroom and the M.B.C. Trio will play in La Cana Room.

Reservations for Ladies Bridge on Wednesday, Dec. 14, will be taken until Dec. 13 by Mrs. Gloria Kramm, AM 8-5078, or Mrs. Frances Knox, AL 5-3145.

Christmas punch and snacks will be served at the session which begins at 1:15 p.m.

## Employees at SSTB Assist Imperial Valley United Fund Drive

Sandia employees at Salton Sea Test Base in California have contributed \$568 to the Imperial Valley United Fund drive. The final figure includes \$100 donated by the Corporation.

Two years ago 11 towns in the Imperial Valley were consolidated for United Fund drive purposes. The drive was spearheaded through efforts of the Salton Sea Test Base Community Council.

# Sandia Service Awards

## 15 Years



W. C. Eskes  
4511  
Dec. 12, 1945

## Materials Development Seminar Schedules Speaker for Dec. 15

Dr. George Sebestyen of Litton Systems will present "Pattern Recognition Through Machine Learning" at a Development Seminar on Thursday, Dec. 15. The seminar will begin at 9:30 a.m. in Bldg. 815. Tickets are not required, according to Craig C. Hudson (5113), chairman.

## Welcome Newcomers

Nov. 21-Dec. 2

Albuquerque	
Janie A. Bryan	3126
*Raymond E. Glass	1422
*Bertie E. Huston	3126
Nancy Jo Jacklin	4333
Barbara C. Matson	3126
*John F. Smatana	1111
Illinois	
Frank C. Peterson, Chicago	5432
Missouri	
Ross B. Yingst, Kansas City	2421
New Mexico	
Edward C. Reilly, Alamogordo	3465
Ohio	
Julius S. Dohnanyi, Columbus	5130
* Denotes rehired	
Returned from Leave	
James L. Hay	4254
Joseph Sepko	4412



Marcus M. Herrera  
4252  
Nov. 28, 1950



Rose A. Hainlen  
4152  
Dec. 1, 1950



Shirley O. Miller  
4513  
Dec. 1, 1950

## 10 Years



Harry E. Mitchell  
4583  
Dec. 5, 1950



Juan B. Jojola  
4253  
Dec. 6, 1950



John C. Barnes  
7321  
Dec. 11, 1950



Thomas Meloche  
4362  
Dec. 11, 1950



John H. Richey  
4252  
Dec. 11, 1950



M. F. Stewart, Jr.  
2641  
Dec. 11, 1950



G. R. Vaughan, Jr.  
2451  
Dec. 11, 1950



Richard E. West  
1422  
Dec. 11, 1950



Honorato B. Sanchez  
4212  
Dec. 12, 1950



Frank W. Adams  
4152  
Dec. 13, 1950



John Lew  
2644  
Dec. 13, 1950



Wayne E. Miller  
7513  
Dec. 14, 1950



Logan Lee Sumpter  
4221  
Dec. 14, 1950



Mattilo Scoggins  
3321  
Dec. 15, 1950



Harold H. Baxter, Jr.  
4543  
Dec. 18, 1950



James F. Hayes  
3466  
Dec. 18, 1950



Richard Kidd, Jr.  
2533  
Dec. 18, 1950



Barbara L. Wheelock  
7530  
Dec. 18, 1950



Neil E. Hansen  
3428  
Dec. 19, 1950



Marcus M. Peeples  
4574  
Dec. 19, 1950



Marion Brown  
4611  
Dec. 20, 1950



Edmund S. Kuroski  
4582  
Dec. 20, 1950



Edmund W. Starr  
4613  
Dec. 20, 1950



Vernon O. Henning  
3151  
Dec. 21, 1950



Frances L. Shea  
4253  
Dec. 21, 1950



Kenneth D. Smith  
2642  
Dec. 21, 1950

## Five Years

Dec. 10-23

Alvin E. Farmer 2422, Robert E. Stewart 1331, Robert E. Fay 7251, Carl A. Scheiver 2532, Jose S. Gallegos 4575, Emil E. Komarek Jr. 1431, Margaret V. Taylor 4250, Donald H. Emrick 2322, Audrey M. Kroesch 3466, Robert G. Clay 7185, J. Fern Robinson 4212.

## 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

GERMAN CLOCK, 400 day, glass dome, \$18. Want to buy old knives and daggers. Smitha, 8607 Menaul NE, AX 9-1096.

'60 RENAULT Dauphine, gray, R&H, white-walls, 6000 miles, \$1995. Bookwalter, AL 6-0870 after 5:30 p.m.

GO-CARTS, two, 1 1/2 hp motors, used one year. Scott, AL 5-6231.

MG TF-1500 sports roadster, 26,700 actual miles, heater, wire wheels, new top. Coleman, AL 5-7480.

GAS RANGE, 40", \$25. Myers, 1420 Richmond NE.

SKI BOOTS, ladies size 7 1/2 narrow, custom made in Austria by hand, inner and outer lacings, \$8. Burns, 1820 Cornell SE, CH 2-2407.

BOYS BIKE, J. C. Higgins, 24", \$20. Marcum, AL 5-3123.

'60 FORD Fairlane, 6 cyl., OD, R&H, \$1995 or trade. Gallegos, 1409 Guaymas Pl. NE, AX 9-7270.

ELECTRIC STOVE, 30" Frigidaire, \$125; GE portable dishwasher, \$50; two rattan bar stools, \$10. Rollosan, AL 6-1259.

LAWSON SOFA w/provincial cover, excellent frame for re-upholstering, \$32.50; maternity outfits, size 12-14, \$8 each; maternity tops \$2.50 & \$3. Frankel, AX 9-3258.

WASHER, Norge automatic, new pump, \$50. Harshman, CH 3-4369 after 5:30 p.m.

RECORD CHANGER, RCA 45 rpm, \$5 or trade for baby stroller. Richardson, DI 4-4324.

3 BDR HOME, Carlisle Plaza, 1 3/4 baths, w/w rugs, drapes, fireplace, air conditioning, disposal, 2-car garage, \$19,000, \$2500 down. Brown, DI 4-6831.

PALOMINO gelding and horse trailer. Will sell separately or both at reduced price. Causey, AX 9-0089.

DINING TABLE, mahogany, six chairs, \$50 or best offer. Eversgerd, AL 6-6345.

'60 CORVAIR deluxe 4-dr., R&H, white-walls, fold-down back seat, loaded with extras, 26 mpg highway, \$1785. Shaver, CH 2-2583.

WASHING MACHINE, Kenmore automatic, \$40. Sinnott, 1718 Utah NE, AX 9-1300.

MOTOR SCOOTER, must sell, moving, \$58. DeZeeuw, 3526 Thaxton SE, AL 6-0205.

LIONEL TRAIN, mounted on 4 x 7' plywood, large transformer, switches, unloader, other accessories, 7 cars, \$30 total; girl's 26" bicycle, \$8. Adams, AL 6-7265.

TOW-BAR, Blue Chip, with brake cable, \$35. Von Riesemann, AM 5-0542.

FIRE ENGINE pedal car, ladder, fire hose and bell. Shepherd, AL 6-2059.

RIFLE, 7.7mm Japanese, 4-groove barrel, custom maple stock, sling, \$38.50. Bauder, AX 9-7322.

'57 CUSHMAN scooter, new tires and seats, \$200. Hayes, ext. 25170.

TOY SINGER sewing machine with case, \$8. Ray, AX 9-1253.

GIRLS BICYCLE, Schwinn 24", \$22. Miller, 1832 Richmond Dr. NE, AL 5-1324.

'60 Falcon wagon, tu-tone, 5 Michelin tires, electric wipers, stick shift, 10,000 miles. Kilmartin, 10407 Apache, AX 9-9237.

HOUSE, 3 bdr., family room, 2-car garage, 3-way fireplace, 1 1/2 yrs. old, tile baths, carpeting, \$2200 down, by owner. Chandler, DI 4-6609.

SPANISH GUITAR with steel strings and case, \$25. Shafer, DI 4-4019.

WASHER, G.E. automatic with \$32 of recent repairs plus newly rewound motor, \$40. Neidel, AX 9-4369.

LARGE STEEL window sash, fully glazed, \$16; small steel window, sash glazed with opaque glass, \$8. Cashion, CH 2-3345.

HO RAILROAD equipment, Pacific loco and diesel "A" unit ready for paint, track, cars, accessories, scintilla power supply. Reese, AL 5-4288.

30-30 MARLIN lever action rifle; 12' x 12' wall tent. Stewart, AX 9-4726.

BABY CRIB with mattress, \$15. Willingham, AX 8-1415.

GE IRONER, perfect Christmas gift, 1958 model, 3 extra pads, \$50. Karels, AX 9-7764.

'56 OLDSMOBILE, power equipped, R&H, 4-dr., white sidewalls, one car owner, \$1095. Burnett, AM 8-3227.

MOTORCYCLE, 1959 Triumph, T110, 650 cc, low mileage, extras, will sacrifice. Sloane, AX 9-3546.

TRUNDLE BEDS, black wrought iron, \$59; two watermelon cotton slipper chairs, \$59. Hook, AM 8-0291.

'53 PLYMOUTH, overdrive, new tires, new battery. Gay, AX 9-5625.

'58 FORD V-8, 4-dr. sedan, R&H, air conditioner, overdrive, one owner. Olson, AL 5-5417.

FISH TANK with fancy guppies; two wheel trailer \$17.50; Beautycord Japanese reflex camera, 3.5 lens, speeds to 1/200th second. Villella, AX 9-7915.

'49 FORD club coupe, R&H, OD, V-8 engine, 2 new tires, \$175; Dietzgen slide rule w/case, \$12.50 Netz, AX 9-7036.

BRONC SADDLE, \$45; pony saddle, \$40; Myers roping saddle, \$125; Underwood portable typewriter, \$45; clarinet, \$25. Schooley, AX 9-4750 after 5:30 p.m.

GAS RANGE apt. size, 3 years old, \$50. Pardo, 2108 Utah NE, AX 9-7214.

'46 CHEVROLET, R&H, anti-freeze, new battery, generator, tire, two tubes, seat covers, want \$75. Foster, AM 5-0069.

'57 MERCURY 9-pass, station wagon, red & white, Merc-O-Matic, AC, loaded with all factory power assists, \$1495. Chandler, AX 8-1705.

LIVING ROOM set, couch, chair, turquoise, \$90; 2 sheets finished Philippine Mahogany paneling, \$14. Montoya, DI 4-6222.

35mm KODAK Signet with Ektar 44mm f3.5 lens and synchro 300 shutter, \$30. Olajos, AL 6-1649.

SEWING MACHINE, Commander, round bobbin, mahogany cabinet, \$50. Stephenson, AX 9-9114.

WINCHESTER .22 bolt-action repeating rifle, Model 72A, never used, will make nice Christmas gift. Bressan, AM 8-5367.

## NEXT DEADLINE FOR SHOPPING CENTER ADS Friday Noon, Dec. 16

POOL TABLE, family type, complete, 42" x 84", \$50. Brown, 1328 Princeton NE, AL 5-0566.

SECTIONAL COUCH, brown, \$45, excellent for family room or den. Mauldin, AL 5-8356.

SINGLE BED spring and Hollywood frame, \$8. Kostka, AM 8-8793.

REVOLVER, K-22 Smith and Wesson, wide hammer and trigger, stag grips, fired but not much, \$60. Shunney, AX 9-2787.

'51 CADILLAC, 4-dr. sedan, R&H, \$375. Anglin, AL 6-4235.

SEWING MACHINE, Homemaker portable, new. Strasburg, AX 9-4214.

DIVAN, beige color, 2 foam rubber cushions, reasonable. Dineen, 502 Valencia NE, AL 5-8246.

PORTABLE IRONER; padded headboard and frame; table model cream separator; two wheel trailer. Williams, DI 4-1000 after 1 p.m.

GIRLS BICYCLE, 26", J. C. Higgins. Callahan, AX 9-3273 after 5:30 p.m.

POODLE PUPS, AKC registered, champion bloodlines, reasonable. Raisen, AL 6-0143.

BICYCLES, boys 20", \$10, and little boys 16" with training wheels, \$10. Grasham, AL 5-9183.

'58 FORD Ranchero, custom 300 V-8, OD, low mileage, \$1395. Brockway, CH 3-8366.

3 BDR HOME, den, 1 3/4 baths, hardwood, forced air, garage, near schools, low down payment. Null, AM 8-1219.

LAMBRETTA 175, 1600 miles, only \$395. Barrett, 1108 Kentucky SE, AM 8-2963.

TRANSMITTER, B&W 5100B; Baco 40 x 60 mm telescope with tripod; folding camera, Mamiya-six, Zuiko lens; Zenith table radio with phono plug. Bortniak, AL 6-3177.

CHINA CABINET, solid maple Early American, w/hutch with glass doors, \$95. Stamm, DI 4-7431.

SKIS, Groszold, metal edged, Cubco safety bindings, poles, boots size 10 1/2, all \$25. Reynolds, AX 9-7367.

BICYCLE, 20" boys, black, twin bar, balloon tires, kick stand, chain guard, rear luggage carrier, coil spring seat, coaster brakes. Burbank, AX 9-1460.

GREY COUCH and chair, one matching red chair; 45 rpm record changer and amplifier. Gray, AL 6-1560.

TAPE RECORDER, Telectro Model 556, takes 5 inch reels, speed 3.75 ips, complete with microphone, \$35. Reinman, AL 6-9737.

POWER PLANT, 32 volt direct current, 17.5 amperes, \$45; AC oil filter, 2 quart capacity with two new inserts, \$4. Stuart, AX 9-9190.

AUTOMATIC WASHER, 1957 Norge, two cycle. Best offer. Breipohl, AL 6-3368.

BOYS BICYCLES: 26" Schwinn lightweight w/gearshift, \$20; 26" Schwinn lightweight, \$5; 20" standard weight, \$10; accordion, Noble 120 base, \$225. Henderson, AL 6-4794.

21" TV will sell for \$60. Lucero, AX 9-7926.

VALIANT TRANSMITTER, \$250. Hansen, 820 San Pedro SE, AM 8-0769.

STAUFFER COUCH, deluxe with automatic timer, \$150. Tobey, 229 Cardenas Dr. NE, AM 8-5828.

STEEL WINDOWS, five, used, different sizes; steel clothes line poles with wire. Liguori, AL 6-3613.

MOVIE CAMERA, Bolex 16 mm deluxe, turret w/3 lenses, gun-grip, filters, carrying case, complete \$250, terms arranged. Wimberg, AX 9-7388.

PERFECT for Christmas, diamond and sapphire dinner ring, bargain, \$500. Dieruf, AX 9-6526.

PLAYER PIANO, vintage 1920, bellows re-covered, completely overhauled and re-finished, \$500; 1914 player, overhauled, \$400; two practice pianos. Snyder, ext. 32274.

'55 FORD, R&H, overdrive, only \$395; set of two newly new seat belts, \$9. Gatlin, AM 8-8151.

LAMP, floor model with 3-way bulb and also spot-lamp. Sabisch, DI 4-6185.

'56 CHEVROLET, 4-dr. hardtop, new seat covers, premium tires, \$900. Cordova, AX 9-3460.

40 ACRES Manzanos, joining Cibola Forest, many pine trees, electricity on property, just off gravel road, \$100 per acre. McKinley, AM 8-4779.

'47 JEEP station wagon, \$190. Hart, AX 9-8832.

WROUGHT IRON chairs, four; child's play ironing board w/iron; 1955 V-8 Plymouth radiator, can be recored. Kochmann, AX 9-5133.

3 BDR HOME, 1 1/2 baths, walled backyard, trees, lawn, near junior high and grade schools. NE. Neff, AL 6-1597.

LIONEL .027 train, will sell accessories separately; student Kahn Pan-American coronet, \$85; Rawleigh English racer bicycle, 26", \$25. Costello, AL 6-9702.

ELECTRIC MOTORS, 1/2 hp, \$11 and \$16; wood heating stove. Buy or trade old clocks. Muehlenweg, AM 8-0316.

STEP STOOL; antique table; prints; Indian rugs; modern dishes in service for eight, \$20; rocks; books; rummage. Southwick, AL 5-3312.

'50 CHEVROLET, 2-dr., good tires, runs good, \$150 or best offer. Mrs. Gorey, 10308 Apache Ave. NE, AX 9-6829.

STOCKING FILLER for Christmas, AKC registered female beagle, born on Thanksgiving, \$35. Long, AX 9-1416.

DINETTE SET, \$29; oak chest of drawers, \$15; occasional chair, \$7; desk w/plastic top, \$9; typewriter and metal table, \$20. Browning, AX 9-6884.

ASSORTED HAM radio gear; 8 mm movie camera. Will sell or trade. Laskar, AX 9-1024.

CAMERA, Leica, 3F, synchronized, with case, filters, close-up attachments, \$125; bicycle \$7.50. Burrell, AX 9-6054.

RIDE in car pool from vicinity of Hoffmanton shopping center to gate 1, Bldg. 803. Freese, AX 9-4967.

ENCYCLOPEDIA Britannica or Americana with all annuals and annual purchase privilege. Chambers, CH 7-1177 after 6 p.m.

BRIEF CASE, leather, 18 inch. Wall, AX 9-3025.

SKI BOOTS, boys size 6 1/2. C. Willey, AL 5-1469.

MAN WITH CAR to join car pool, vicinity of Menaul and Morris Sts., park north of Bldg. 880. Smith, AX 9-1264.

RIDE or riders from Snow's Hoffman City on West Mesa to Bldg. 836. Nelson, UL 5-4424.

RIDE from Mission Road, off Edith NE, or will join car pool. Dunlap, ext. 35143.

HOMES FOR kittens, free Christmas presents, just right size Christmas eve. Will deliver. Tatum, TR 7-0997.

### FOR RENT

2 BDR HOUSE, located in NW area, \$65. Demmel, AX 9-5639 after 5:30 p.m.

2 BDR. APT. in brick triplex, stove and refrigerator furnished, water and garbage paid, storage space. Tillman, AL 5-6292 after 5:30 p.m.

INEZ 3 bdr. brick, 1 3/4 bath, attached garage, enclosed backyard. Litz, AX 9-2886.

2 BDR HOUSE, corner lot, sprinklers, stove, refrigerator, water paid, storeroom, fenced back yard available now. Villella, AX 9-7915 evenings.

LARGE ROOM, private bath and kitchenette, \$40, utilities paid. Miller, 1920 Lead SE, CH 3-1516.

3 BDR HOUSE, wall-to-wall carpeting, garage, partly furnished, 2 blocks from ACF, \$80 a month. Gonzales, AX 9-7208.

TRAILER spaces in Sandia Mountains; free towing from Albuquerque, \$20 per month. Souder, BU 2-3274.

### LOST AND FOUND

LOST: 1952 Pontiac 2-dr., two-tone grey, license NM 2-89224, SB sticker 18804, lost from driveway at 1033 Westerfeld NE, Nov. 10. Winkeljohn, AX 8-1592.

LOST: Black lunch pail; black and sterling cufflink; brown rim safety glasses; 7 keys on chain; turquoise drop earring; thermos in paper bag; black rim glasses; 10 year SC tie clasp; lady's gold ring with ruby stones; lady's glasses in gold case; Chinese girl earring; copper daisy earring; key w/112. Lost and Found, ext. 26149.

FOUND: Extension rule w/name Brown; black and silver penknife; keys on ring w/Australian penny; 3 keys on chain "press down & turn lid"; GM key; earring with 2 pearls enclosed in gold; keys with rabbit foot. Lost and Found, ext. 26149.

### FOR SALE AT LIVERMORE

ENGLANDER box springs, mattress, Hollywood frame and legs, \$40. Mendenhall, HI 7-6216.

'58 FORD, 4-dr. sedan, 6 cyl., standard transmission, \$1100. Folks, HI 7-4627.

DUNCAN PHYFE drop leaf table, mahogany, 3 leaves, custom tailored pads, \$65. Carico, JE 8-5780.

WESTINGHOUSE sewing machine, portable, six years old, used twice, all attachments, \$75 or make offer. George, HI 7-3199 after 6 p.m. except Mondays.

### WANTED

TO JOIN car pool from Belen. Pritchett, ext. 2-7242.

YOUNG CHILD or baby to care for five days a week, elderly lady, vicinity of Girard and Highland SE. Mrs. Gillespie, CH 3-2841 or CH 2-2868.

RIDE from southeast part of Princess Jeanne Park to Bldg. 861. Stone, 1003 Claudine NE, AX 9-6839.

TYPEWRITER, any make, any style, must be cheap. McCullar, AX 9-0638.

USED POOL table for boy 12. Jennings, AL 5-5950.

CHILD CARE in my home, Monday through Friday. Harris, 9512 Cordova NE, AX 8-1610.



**CORPORATE GIFT** of \$1,500 from Sandia Corporation to the Livermore Area United Crusade is presented to Area Crusade Chairman William E. Lorimer by Dick Cook (8116-4), chairman of the Livermore Laboratory drive, as "Smokey" Maxwell (8225), chairman of the area's commerce and industry division and vice president of the Sandia drive, looks on. In addition to the corporate gift, Livermore employees contributed \$9,711 to the local campaign.

### Donna Kiekhafer Soprano Soloist In Arts Center Christmas Concert

Donna Kiekhafer, laboratory assistant in 7311-3, will be soprano soloist in the Albuquerque Theater Arts Center's Christmas concert on Dec. 13.

The Civic Chorus will present the first three parts of Bach's Christmas Oratorio, with Donna singing the soprano recitatives. An original cathedral scene, designed by Alexander Jack (3311-1), will be the background setting for the choral ensemble.

Donna graduated from Valparaiso University in Indiana where she majored in music. She was soloist with the university choir and toured the midwest with that group. In Albuquerque she has appeared with the Light Opera Workshop and has done church solo work.

Other soloists are Arthur Barrett, bass, James Bratcher, tenor, and Kim Anderson, contralto. The Civic Chorus is under the leadership of Norman Russell Bell, director of the Theater Arts Center.

Following the Chorus' rendition of the Oratorio, the audience will be invited to participate in a Christmas party and carol-sing, which will feature the Bel Canto Singers performing some special Christmas music, Clinton Purdue

### H. D. Sivinski Reads Paper to Symposium At Oakland, Calif.

H. D. Sivinski (7311-1) presented a technical paper recently at the 29th Symposium on Shock, Vibration and Associated Environments in Oakland, Calif. Title of the paper was "Acceleration—Time Pulse Shaping With an Air Gun Facility."

### J. C. Moody Speaks To Naval Reserve Ordnance Company

"The International Control Temperature of 20° C. for Standard Dimensional Measure" will be discussed by J. C. Moody (2751-1) at a Naval Reserve Ordnance Company 8-11 meeting on Jan. 4. Using slides with his presentation, Mr. Moody will stress the importance of temperature control in dimensional measurement work.



**Donna Kiekhafer**  
—Christmas Concert Soloist—

(2422), baritone, and soprano Peggy Howe, of Minnesota Mutual Life Insurance Co.'s Sandia office, are members of this selective singing group.

The concert will begin at 8:30 p.m. in the Civic Auditorium. Tickets are \$1.50 for adults, \$1.00 for children, and are available from performing members, Riedling Music Co. and the Music Mart.

### Here's Chance to Buy Luminarias Ready-to-Light

Need luminarias for that special decorating effect at Christmas-time?

Boys of St. Anthony Home have a special package for those who plan to observe this time-honored Christmas custom. They have available in any quantity needed all the ingredients of luminarias — brown paper sacks (neatly collared at the top), long-burning candles, and sand.

All this sells for 10 cents per luminaria, assembled or unassembled. They will deliver the luminarias to your home for a small extra fee.

The Home for Boys is an Albuquerque Community Chest Agency. Money raised from the luminarias sale will go into a Christmas fund for the Home.



**MAKING A POINT** in a speech before the Manzano Toastmaster's Club is Vince Redmond (7185), a member of the group. The Club is sponsoring an eight-week Speechcraft course scheduled to start on Jan. 11, 1961.

### Toastmasters Plan Eight-Week-Long Speechcraft Course

The Manzano Toastmaster's Club is scheduling a Speechcraft session which will start on Jan. 11, 1961. This will be an eight-week course covering the fundamentals of effective speaking, and is open to anyone interested.

The Manzano Club provides its members with an opportunity to improve their abilities to speak before any group, conduct meetings and develop their executive abilities. Through actual practice, mutual constructive criticism and assumption of responsibilities in the organization, the men help each other to become better speakers.

Meetings are held on Wednesday evenings at 6:30 p.m. at the Coronado Club. For further information contact Chuck Martin (5432), ext. 53171, or Lee McCall (7162), ext. 42247.

### Sandia Speakers Made Available To Community

A list of employees at Sandia Laboratory who are available for outside speaking engagements is being compiled by Public Relations Division 3431.

For some years, Public Relations has informally handled requests for speakers, usually for local schools and service clubs. Now they are establishing a Speakers' Bureau which will provide employees' names, topics and brief biographical material.

At present, approximately 70 employees are on the list, and they are qualified to speak on 150 different subjects. The topics range from general interest to highly technical talks.

Most of Sandia's technical organizations are represented. If any employee does outside speaking who has not been contacted by Division 3431, he should call Jim Fife, ext. 21253.

Persons who wish to obtain speakers for their organizations are invited to use the Speaker's Bureau.

### Safety Record Falls After Accident in Van de Graaff Area

Sandia Laboratory's safety record tumbled recently as a result of a unique accident.

An employee was accidentally exposed to radiation while working with the Van de Graaff accelerator. The incident occurred while operating personnel were preparing an experiment for the accelerator.

The employee, who suffered radiation burns on his face and hands, is now undergoing treatment and will remain under medical care of Sandia doctors until recovery.

### Christmas Cookies in Gay Sleighs Special Project of Granfield Home

Along about early November the Walter Granfield (2641) home starts to buzz with Christmas activity: the sound of hammer and power saw, the smell of paint, and then the wonderful aroma of freshly-baked cookies which continues for several weeks.

"Wally" and his wife, Karen, enjoy giving gifts a personal touch and for a number of years Wally has made several dozen small wooden sleighs or carts which are filled with home-made cookies or candy.

He works on several of the sleighs at one time with his jig saw, circle saw and power sander. After they are glued and nailed together Karen applies the

base paint and then decorates them with peasant designs which she learned when they lived in Minneapolis.

Karen makes hundreds of cookies during the holiday season utilizing 12 to 15 different Scandinavian recipes. In addition from her kitchen come several kinds of candy, including a special English toffee, Christmas bread and marzipan in tiny fruit shapes.

The Granfield's have sent their gift boxes as far away as Alaska and many of the sleighs or carts are still in use as centerpieces in friends' homes although originally received as long as 10 years ago.



**Wally and Karen Granfield**  
—decorated sleighs and cookies—

### Patent Given AEC in Name Of Harvey N. Pouliot

A patent for "Fluid Controlling Means" has been assigned to the AEC in the name of Harvey N. Pouliot (8165).

The item is concerned with means for controlling fluids, in particular, explosively actuated means for opening and inter-connecting a number of containers, one or more containing fluid.

The device comprises a housing and piston assembly which form a barrier to the flow of the fluid, but which is open when the piston of the device is actuated.

There are a number of features which are new or an improvement from existing devices. The fluids

may be confined in one or more hermetically sealed fluid containers, yet upon actuation all such containers may be opened and interconnected; the actuated element is limited in total operating movement and is permanently locked against further movement; the fluid is protected from contamination by the actuating propellant, and the device provides a means for sequentially opening or providing access to more than one of the sealed containers.

The patent is number 2,959,326. Mr. Pouliot was at Sandia Laboratory for six and a half years and was rehired at Livermore Laboratory in May 1959.

### 'Quick Draw' Hiltunen Matches Skills With Fastest Guns in West

"Smile when you say that, podner."

Those are fighting words for Robert H. Hiltunen, a member of Salton Sea's Plant Protection Section 4582-2. And he can back it up, too, with a pretty fast draw.

Bob has been practicing the art of fast drawing for some time now. He has studied and learned the style of Arvo Ojala, fast draw artist who is instructor in Hollywood for movies and TV.

He attended a fast draw meet at Ontario, Calif., recently and was good enough to reach the finals.

The largest annual meet was held in Las Vegas, Nev., late last month. Bob was one of the competitors for the first prize of \$1000.



**Robert H. Hiltunen (4582)**  
—Quick Draw Artist—

## Sandia's Safety Record

**Sandia Laboratory HAS WORKED 900,000 MAN HOURS OR 28 DAYS WITHOUT A DISABLING INJURY**

**Livermore Laboratory HAS WORKED 4,112,000 MAN HOURS OR 1755 DAYS WITHOUT A DISABLING INJURY**