

ECP Drive Kicks Off Next Week at Sandia Laboratory

Thirty four agencies will benefit. Help for young, old, sick, and needy is the purpose. The goal is 100 per cent participation and one hour's pay each month—your fair share.

The Employees' Contribution Plan drive begins Oct. 1, ends Oct. 3. Every Sandia Laboratory employee will have the opportunity to give. Those employees, the majority of Sandians, who are already giving through payroll deduction will be issued new contribution forms to continue or increase their gifts.

Those employees who are not giving through payroll deduction will be personally solicited. The minimum amount for membership in the ECP is 25 cents weekly or \$1 per month.

Sandia Laboratory employees contributed a total of \$144,000 in last year's drive. The average gift per contributor was \$24.46.

Seventy-eight per cent of the funds raised goes to the 25 local agencies of the United Community Fund. The remainder is divided among nine health and welfare agencies.

A member of ECP will display a red window sticker this year, a notice that he has already given his fair share.

What is a fair share? It has been defined as one hour's pay each month. It can also be defined in terms of human need. The Lab News in recent issues has told of this need in Albuquerque — crippled children, deaf children, children without mothers and fathers, healthy children needing a place for healthy recreation.

Men and women without jobs, without hope (except for the aid from UCF), men, women, and children with incurable disease, their only hope the research conducted by national foundations.

These people need your fair share.

The Lab News has also told of the numbers of dedicated, hard working people who staff the agencies. These people are performing a tremendous job. They need your continuing support.

The cards will be on your desk Thursday morning, Oct. 1. A solicitor will be calling on non-members of ECP.

How much you care is your fair share.

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PRESENTING technical papers at "Dynamic Behavior of Materials" symposium being presented in Albuquerque by the University of New Mexico and the Rocky Mountain District of the American Society for Testing and Materials on Sept. 27-28 are (l to r) Walter J. Halpin (5133), Robert A. Graham (5133), Orval E. Jones

(5133), and Jimmie H. Smith (1113). Symposium chairman is V. E. Arnold (1124). Symposium committee members include B. H. Anderson (1112), C. F. Bild (1100), N. J. DeLollis (1112), C. D. Lundergan (1113), R. E. Moll (1111), H. E. Montgomery (1113), and D. E. Wanner (1122). J. E. Smith (1113) is program chairman.

Placement Association Members to Hear Sandians at Local Conference

"Placement and Recruiting in a Changing World" is the theme of the 16th annual conference of the Rocky Mountain College Placement Association. The meeting will be held in Albuquerque Oct. 3-5. Richard N. Reed (3151) is co-chairman of the conference.

Featured program speakers include D. J. Jenkins, manager of Personnel Research, Training and Education Department 3130, who will discuss "Trends in Manage-

ment"; Judson Ford, Director of AEC/ALO Organization and Personnel Division, "Management Practice in Public Administration"; and Roy W. Walters, Jr., Director of College Employment, American Telephone and Telegraph Company, "Accountability—Student and Employee."

K. E. Sutton, supervisor of Employment Division 3151, will be moderator of a workshop session on Placement and Recruiting.

Seeking Bids for Addition to 800 And Construction at Tonopah Range

An addition to Bldg. 800 and a prefabricated maintenance building for Tonopah Test Range are new construction projects for Sandia Corporation, the AEC has announced.

The new Bldg. 800 addition will match the existing structure and add some 2000 sq. ft. to the south end of the building. R. G. Piper (4543-3) is the Plant Engineering Department project engineer.

The addition will include installation of reinforced concrete framing, brick masonry panels with six-in. tile backup panel walls and six-in. reinforced floor, heating, ventilating, electrical and lighting systems, and reworking the existing electrical substation.

Bids are scheduled to be opened Oct. 5 and work is to be completed within 80 days after the contractor receives notice from the AEC to proceed.

At Tonopah, construction will include erection of a 40x80 ft. prefabricated metal structure, rigid frame type, with reinforced concrete foundation and floor, a partitioned area with mezzanine deck, mechanical and electrical services and utilities, and gravel-surfaced ground area.

Bids are scheduled to be opened Sept. 28 and construction is to be completed within 90 days after the contractor is told to proceed. M. B. Moore (4543-3) is Plant Engineering Department project engineer.

Mrs. Emily Gilmore Elected Head of Business Women

Mrs. Emily Gilmore (3453) was elected president of the Albuquerque Charter Chapter of the American Business Women's Association at a monthly dinner meeting Sept. 19.

She will travel to Houston, Tex. to represent the Charter Chapter at a forthcoming national convention of the American Business Women's Association. The Association is dedicated to the elevation of business and social standards for women.

Mrs. Gilmore began her career at Sandia 10 years ago in Inspection Organization 2700. She is a member of the EDPM group at Sandia.

Microscopy Seminar to Be Held at Sandia Lab Oct. 9, 10

An unclassified seminar on microscopy will be presented at Sandia Laboratory Oct. 9 and 10. Speakers will be H. E. Rosenberger, Head, Microscope Research and Development, and R. C. Hendrickson, Head, Metallurgical Laboratory, Bausch and Lomb, Inc., Rochester, N. Y.

Coordinator for the seminar is J. C. Russell, supervisor of Metallurgy and Surface Chemistry Division 1121. Sessions will be presented from 8 to 11:45 a.m., in the Corporation theater, Bldg. 815.

Mr. Rosenberger will speak Oct. 9 on Optics of Microscopy. His talk will cover magnification, numerical aperture, resolving power, properties of objective types, properties of Huygenian hyperplane and compensating eyepieces, and modes of illumination.

Mr. Hendrickson's talk will be presented Oct. 10. He will discuss the photographic aspects of metallography, and applications of ideal conditions of illumination, eyepiece, and objective combinations.

Patent Granted AEC In Name of Sandia's Frederick J. Sparber

A patent on a quick-disconnect electrical connector, granted to Frederick J. Sparber (1432-2), was assigned on Aug. 14 to the United States government as represented by the United States Atomic Energy Commission.

The invention relates to an electrical cable connector assembly provided with a lanyard device adapted to be operated from a remote position for rapidly and positively disconnecting the mating parts of the connector.

It is sometimes necessary, particularly in the aircraft field, to position electrical connectors in normally inaccessible places, such as in an electrical circuit between the aircraft and an externally mounted store.

On occasion, it may be desirable to rapidly and positively uncouple such a connector. Mr. Sparber's invention, assigned patent number 3049690, accomplishes this.

New Mexico Section ASME Opens Year's Meeting Series

Several Sandia Corporation Vice Presidents participated in a recent program of the New Mexico Chapter of the American Society of Mechanical Engineers. It was the initial Fall meeting of the group.

E. H. Draper, Vice President, Development, discussed ASME programs. He is ASME Area Eight Vice President.

R. W. Henderson, Vice President, Weapon Programs, discussed the

meaning of professional societies to the professional man.

R. A. Bice, Vice President, Engineering for Manufacture, talked on the advantages of belonging to ASME.

C. E. Runyan, manager of Specialties Department 4220, was master of ceremonies for the program.

About 130 engineers and their guests were present at the meeting.



ENGINEERS MEET — The New Mexico Section of the American Society of Mechanical Engineers recently launched their fall series of meetings. Present at the first meeting were (l to r) E. H. Draper, Vice President,

Development; A. D. Ford, professor emeritus of Mechanical Engineering, UNM; R. A. Bice, Vice President, Engineering for Manufacture; and R. W. Henderson, Vice President, Weapon Programs, Sandia Corporation.

Editorial Comment

Don't Call It Charity

Contributions to Sandia Laboratory's Employee Contribution Plan and Livermore Laboratory's campaign for the Bay Area United Crusade are really investments. Sure, charity takes the edge off hunger and misery. And that's necessary. But the agencies included in these two drives go way beyond that. They give the help that gets people back on their feet, makes them productive members of the community again.

So it makes sense to give to these campaigns — it's an investment in building better communities in which to raise your youngsters.

Besides, that's the way Americans operate. We take care of our own right at home.

This once-a-year opportunity to do your giving makes it easy, especially when the Company offers payroll deduction privileges. This annual appeal cuts down the confusion of separate drives, too. It's more than charity. It's an investment, and a privilege.

League Standings of Sandia Corporation Security Competition

Security is no game.

But as we are nearing the closing days of the baseball season a conversion of security performance into league standings seems to be in order. To do this an official report of Sandia Corporation was consulted. A figure on this report, the "performance ratio," was inverted to resemble the "won-loss" figure seen in newspaper standings of league baseball teams.

With this bit of mathematical magic relative security performances of the vice presidential areas resulted. Here's the way they look:

Organization	Won-Loss Per Cent
6000	1.000
4000	.967
3000	.922
7000	.895
8000	.885
5000	.865
2000	.854
1000	.821

Songsters Tune Up For Barber Shop Singing Program

"The old songs sung the way you remember" is the way Al Robnett (1413) describes a coming musical program of barber shop quartets and mixed choruses. Al is vice president of the local chapter of the Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America (SPEBSQSA).

The program will be held Saturday, Oct. 6, at 8 p.m. in the Civic Auditorium. Sandians who will be performing include R. E. Arridson (7521), L. A. Faw (2534), C. A. Griffin (AEC), W. T. Holmes (7182), C. E. Jackson (7144), Horace Moore (4543), J. W. Nelson (AEC), R. K. Vokes (3451), and C. S. Wallace (2532).

Several out-of-town quartets will be featured along with the Mix Masters and Desert Bards of Albuquerque. The New Mexichords chorus and the Yucca Chapter of Sweet Adelines will also sing.

"There might even be some rock 'n roll and twist music, too," Al said.

C. J. Baumgartner Retires Oct. 31 With 32 Years WE Service

"I've bought a house in Sun City, near Phoenix, Ariz.," C. J. Baumgartner said last week. "I'm going to play golf seven days a week." The manager of Security Operations Department 3240 will retire Oct. 31



after 32 years with Western Electric Company, including 12 years at Sandia Laboratory.

In addition to playing golf, Mr. Baumgartner plans to "see the USA" during the summer months. "It gets hot in Phoenix," he said, "and I plan to stay comfortable."

Mr. Baumgartner came to Sandia in February 1950. He has held supervisory positions in Cost Division, Disbursements Auditing Division, Cost Accounting Department, Reclamation Department, and Assembly Department.

He came to Sandia from WE's Installation Division, Field Accounting in Chicago where he was head of Voucher Department. He worked 18 years at WE's Hawthorne Works.

C. H. Bidwell Has 35 Years Service With Bell Labs

Charles H. Bidwell marked completion of 35 years with the Bell Telephone Laboratories Sept. 12.



Mr. Bidwell is a Bell Labs employee on loan to Sandia Corporation as supervisor of Systems Analysis Division 1421.

Mr. Bidwell came to Sandia Laboratory in 1951. He has worked on fuzing analysis, radar development, and countermeasures.

At Bell Telephone Laboratories since 1927, Mr. Bidwell has contributed to systems projects such as "K" carrier and 12 channel terminal equipment for J, K, and L carrier systems. He did circuit design on pre-war experimental 6 mc amplifiers for coaxial cables.

During World War II, he developed proximity fuzes for rockets and bombs and did general systems work on radar bomb-sights.

Sandia Fire Inspection Experts Members of C. of C. Committee

Ted A. Rosenwald and Walt L. Smith of Inspection Section 4542-1 are serving on the Fire Prevention Week committee of the Greater Albuquerque Chamber of Commerce. The group will conduct a "Fireman of the Year" contest and arrange various displays and activities in the city during Fire Prevention Week, Oct. 7-13.

Sandia Laboratory ECP '61-'62 Payments Near \$100,000 Mark

At the end of August, Sandia Laboratory employees had paid \$99,750 into the Employees' Contribution Plan since the first of December 1961. The funds are distributed to the 25 local agencies of the United Community Fund and nine health and welfare agencies.

As the August checks were mailed, the following distribution had been made:

	August Distrib.	Total to Date
United Community Fund	\$8,516	\$76,662
American Cancer Society	649	5,849
Bernalillo County Heart Association	504	4,538
Arthritis and Rheumatism Foundation	190	1,614
Albuquerque Association for Mental Health	112	1,008
N. Mex. Society for Crippled Children and Adults	481	4,336
National Multiple Sclerosis Society	78	704
Albuquerque Association for Retarded Children	179	1,612
Cerebral Palsy Association of Bernalillo County	268	2,319
Muscular Dystrophy Association of America	112	1,008

10-Year Service Anniversaries

Oct. 1-10

Leo C. Cordova 4516, Thomas G. Ogden 7513, Alex A. Ruff 2342, Frances S. Savage 7532, Melvin L. Benagy 4224, Carroll R. Davis 4411, James A. Kenagy 4224, James R. Roy 1111, Charles E. Arthur 8115, Louis B. Flores 7321.
Russell P. Hall, Jr. 3311, John Olson 4424, Nelson T. Radman 2422, Stanley Eastman 4212, Rueben E. Minter 2563, Eulogio C. Sanchez 4614, Dorothy L. White 1430, Harold A. Krieger 9120, Floyd A. Philgreen 1124.



TAMMANY HALL TORCH is held by Lee Deeter (2440) while shelves in the foreground hold part of his collection of whale oil lamps.

Collector of Whale Oil Lamps Has One Problem—Needs Some Whale Oil

A collection of whale oil lamps in an area so far from early-day whaling grounds might seem unusual, but to Lee Deeter (2440) it exemplifies his interest in lighting devices.

His collection is one of the largest in the Southwest and is comprised of about 50 lamps of various sizes and shapes.

A French whale oil lamp with brass has an adjustable wick wheel. A model for ship use has the oil font mounted on trunnions to prevent spilling. The collection includes several "petticoat" lamps—called that because of their flaring shape. There are also four "Betty" lamps, favorites in Colonial days because they could burn grease, lard or any fatty substance. "The origin of their name is believed derived from the claim that they were a 'betta' lamp than any other," Lee explained.

The lamps are made of brass, pewter, iron, tin, and glass. Perhaps the rarest piece in the collection is a dark blue flint glass lamp with two burners. There is even a whale oil lamp upon which the traveling lady could heat her curling iron.

Lee's interest in lighting extends beyond the 18th century whale oil lamps. He has a small terra cotta olive oil lamp, excavated in the eastern Mediterranean

area, which dates between the first and fourth century A.D. Olive oil was used for centuries as a lighting fuel in this area. The same type of container was used for whale oil, which was cheaper and more readily available in Colonial America.

The better lamps were imported until the mid-18th century, but between 1750 and 1800 over 500 American patents were granted for improvements in lighting devices.

Whale oil later gave way to cheaper lard oil, burning fluids (turpentine, alcohol, or both), kerosene, and finally the electric lamp.

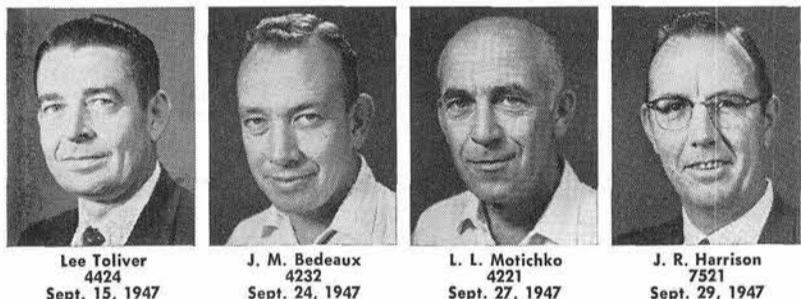
There's only one trouble about collecting whale oil lamps. As Lee noted, "I certainly would like to get some whale oil."

L. J. Vortman Reviews Book

A book review by L. J. Vortman (5412) appears in the current issue of Nuclear Science and Engineering. Mr. Vortman was asked by the editors to review "Protective Construction in a Nuclear Age, Proceedings of the Second Protective Construction Symposium." Included in the two volumes were 45 technical papers.



TERRA COTTA olive oil lamp, excavated in the eastern Mediterranean area, was in use between the first and fourth century A.D. Lamps used to burn whale oil were adapted for use from these earlier models.



Lee Toliver 4424 Sept. 15, 1947

J. M. Bedeaux 4232 Sept. 24, 1947

L. L. Motichko 4221 Sept. 27, 1947

J. R. Harrison 7521 Sept. 29, 1947



T. W. Holmes 2544 Sept. 29, 1947



P. E. Jockle, Jr. 4421 Sept. 29, 1947

Frederick Vishaway 4611

C. E. Anderson, Jr. 8243 Oct. 6, 1947

Urban M. Karpen 4621 Oct. 6, 1947



Cecil C. Gully 4614 Oct. 7, 1947

Walter L. Paxton 4613 Oct. 7, 1947

Leon D. Smith 1300 Oct. 8, 1947

Dennis B. Sparger 8222 Oct. 8, 1947



William M. Sundt 1442 Oct. 8, 1947

Leo Gutierrez 8140 Oct. 22, 1947



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FIRE! What Are Your Reactions? Are You Ready to Act?

When you smell smoke, what do you think of?

Our reactions to the smell depend on time, place, and circumstance. In spring or fall, we take it for granted: it's burning leaves or the campfire of a hunting trip. Most of us know the smell of a backyard barbecue. The ignited drippings from a choice filet give us a moment's delicious pause.

But let's say we're at home of a winter's evening with a book. Or at work, in a laboratory or at a desk. A thin, dry needle of smell pierces our reverie. In a second, we're on the alert: the smell is foreign, acrid, persistent, and in no time we're searching for its source with our hearts pounding.

At Sandia this past year, several employees had this singular experience. In some cases, their fears were groundless; in others, they had reason for alarm.

On Jan. 30, an employee in Bldg. 836 noticed a smoking ballast on a fluorescent light, pushed the evacuation alarm, and called the fire department. When the light switch was turned off, the smoke stopped.

On Mar. 31, employees were removing air conditioning equipment from Bldg. 892 with the aid of a cutting torch. Fumes from the operation reached employees through the air-condition-

ing ducts, and someone called the firemen.

In such cases, the employees showed admirable concern and quick thinking. Their reactions were right, even though their concern may have been unfounded.

Sharpen Reaction Time

The point is that fire and its dangers have caused us to sharpen our reaction times. And we've built quick responses into the equipment we use for fire protection. We check extinguishers to make sure they're operational and available when needed. The sprinkler systems in the buildings of Sandia Lab are designed to be safe rather than discriminate: they operate when the temperature reaches a certain level, regardless of the cause. And they trigger an automatic alarm that brings the firemen.

Last year, there were a number of such alarms not caused by fire. In one instance, a rush of warm air into a cooled room actuated the automatic system. In another, steam coils in a room temporarily deprived of air conditioning caused the temperature to rise enough to set off the sprinkler-alarm system.

"Too sensitive," you might be tempted to conclude, but such sensitivity is needed when fire's the adversary, and loss of life or equipment is the gamble.

No matter how careful we are, no matter how quick our responses, no matter how much automatic protection we utilize, fires still have a way of getting started. In many instances, nobody knows how or why.

Fire in Trash

At seven one evening last April, a security inspector came upon a trash container burning merrily behind Bldg. 879. The Base fire department responded to his call and extinguished the fire. In another instance, a security inspector noticed a small motor on fire in Bldg. 836. After the fire was extinguished, disassembly of the motor disclosed that it may have been caused by a defective switch.

In these cases, fire was discovered and extinguished before it had a real chance of life.

But a battle with fire is really a battle with time. It must be fought quickly, efficiently, and with the right equipment.

Consider the Chicago fire. A lantern, Mrs. O'Leary's cow, and a little time.

The best thing for it is to remove as many causes of fire as possible. Here's a checklist, published by Sandia's Security Department. Look it over. It will take only a minute—a minute spent in safety now instead of in danger and fear when it's late, and the odds are on the fire's side.

FIRE PREVENTION CHECKLIST

Electrical Equipment:

- No bare wiring or worn insulation.
- No makeshift wiring.
- Soldering irons disconnected.
- Hot plates turned off.
- Inter-communication sets turned off.
- Motors free of grease and dirt.
- No unprotected lights within 18 inches of combustible material.

Heat and Flame:

- No combustible material within 18 inches of heaters.
- No combustible material in contact with steam pipes, furnaces, flues, etc.
- "No Smoking" areas clearly defined.
- No gas leaks.
- Welding areas properly screened.

Flammable Liquids:

- Stored in approved place.
- Safety cans used.
- No leaking containers.
- Paint cans securely covered.

Housekeeping:

- No accumulation of rubbish or scrap material.
- No rags or trash in wooden and/or cardboard boxes.
- Metal containers used for waste rags.
- Aisles clear.

Firefighting Equipment:

- Sprinkler heads unobstructed.
- Sprinkler controls unobstructed.
- Extinguisher accessible.

Sandia Observes Fire Prevention Week With Rest of U. S.

Sandia Laboratory will join with industry, civic groups, and government agencies throughout the country Oct. 7-13 in observing National Fire Prevention Week. Fire drills, extinguisher demonstrations, posters, and special booklets will remind employees of the importance of preventing fires.

"Stop Fires — Save Lives" is the theme of this year's Fire Prevention Week. The slogan was prompted by the appalling statistics of the nation's loss of lives from fires — 12,100 died in 1961. Property damage totaled \$1.5 billion.

Statistics show that on the average, fire strikes every 37 seconds, claims a life every 47 minutes. The major cause of fires is carelessness with matches and in smoking.

Fire Prevention Week activities at Sandia Lab are directed by Inspection Section 4542-1. Inspectors Ted A. Rosenwald and Walt L. Smith will be conducting fire drills and making inspections of major buildings during the week.



GOING UP — Jack Hanna rides the chair lift to the top of a nine-mile ski run at Portillo, Chile. In the background is the eight-story Hotel Portillo where Jack, Wayne Cook, and Tom Edrington vacationed recently.

South American Skiing Expedition Smashing Success for 3 Bachelors

A three-week trip to South America for August skiing in the Andes proved to be everything expected by three Sandia Lab bachelors—Jack Hanna (3424), Tom Edrington (1321), and Wayne Cook (7311).

The trio stayed at Portillo, some 9000 ft. up on the slopes of the Chilean Andes, five hours from Santiago.

"The skiing was marvelous," Wayne Cook said. "There were gentle slopes and steep ones. The food was terrific, the weather perfect."

After a week at Hotel Portillo, the Sandians moved on to La Parva for more skiing, and spent two days sightseeing in the cities of Santiago, Vina del Mar, and Valparaiso.

During the trip home were stops in Lima, Peru; Quito, Ecuador; Bogota, Colombia; and Mexico City, Mexico.

"We saw a cock fight in Lima," Jack Hanna said, "in (of all places) the Sandia Arena."

One of the highlights of the trip was a visit to a full-size Catholic Cathedral carved in a salt mine near Bogota. The Cathedral was 50 ft. beneath the surface at the end of a three-mile tunnel. The

mine was in use before the Conquistadores of South America.

"It was great fun," the trio agreed, "but, except for the week at Portillo, we were rushed. South America offers the tourist everything and we crowded all the activities we could into the time we had."

Seeking Bids for Addition to Bldg. 809

Bids will be opened Oct. 11 for construction of a new addition to Bldg. 809, according to an announcement by the Atomic Energy Commission. Branch Shop Section 4252-1 will occupy the new addition.

The addition will contain about 1728 sq. ft. Construction will be structural steel and concrete block complete with heating, cooling, and electrical systems.

Work is to be completed within 75 days after the contractor receives notice to proceed from the AEC. John C. Snowden (4543-3) is the Plant Engineering Department project engineer.

ECP Committee Announced Plans to Distribute 1962-63 Funds

New percentage allocations of Employees' Contribution Plan funds for 1962-63 were announced this week by the ECP committee. The allocations are based on the past fund raising records of the participating agencies.

The 1962-63 ECP disbursements will be based on the following table:

United Community Fund	78.0%
American Cancer Society	5.0%
Bernalillo County	
Heart Association	4.1%
Arthritis and Rheumatism Foundation	1.6%
Albuquerque Association for Mental Health	1.0%
New Mexico Society for Crippled Children and Adults	4.0%
National Multiple Sclerosis Society	.7%
Albuquerque Association for Retarded Children	1.5%
Cerebral Palsy Association of Bernalillo County	2.1%
Muscular Dystrophy Association of America	1.0%
Reserve Fund	1.0%



ECP COMMITTEE wrapped up planning for the coming drive last week and were all set for a successful campaign. From left are John C. L. Leslie (3433), Marv J. Sektan (3121), Charles W. Allen (2313), Carl R. King (3242), Guards' Union representative, Walter R. Rosenberg (4360), Lee L. Pierce (4224), Metal Trades Council representative, Rod D. Golding (1124), J. W. Hook (4110), committee chairman, and Janice Sharp (4423), Office and Clerical Employees representative. Not shown are R. H. Schultz (7320), M. D. Tucker (4131), ECP statistician, and Mary G. Mayes (5311). ECP drive will be conducted Oct. 1-3 at Sandia Laboratory.

representative, Rod D. Golding (1124), J. W. Hook (4110), committee chairman, and Janice Sharp (4423), Office and Clerical Employees representative. Not shown are R. H. Schultz (7320), M. D. Tucker (4131), ECP statistician, and Mary G. Mayes (5311). ECP drive will be conducted Oct. 1-3 at Sandia Laboratory.

Sandia Speakers

L. J. Vortman (5412), "Nuclear Explosives As A Potential Technique For Improving Water Resources," Pacific Southwest Inter-Agency Committee (for water resources), Santa Fe, N. Mex., Sept. 5.

A. J. Chabai (5412), "Comparison of Calculated and Measured Elastic Response of a Salt Medium to an Explosion in a Spherical Cavity of 15-Foot Radius," and "Shock Hugoniot of Porous Earth Materials," 32nd Annual International Meeting of the Society of Exploration Geophysics, Calgary, Alberta, Canada, Sept. 16-20.

E. H. Copeland (7312), "Standard Test Methods," Second Environmental Symposium (Ordnance), San Antonio, Tex., Sept. 20.

C. G. Sain (7321), "Sandia's Experience With Combined Linear Acceleration and Vibration Environment," Second Environmental Symposium (Ordnance), San Antonio, Tex., Sept. 20.

W. J. Halpin, O. E. Jones, and R. A. Gahm (all 5133), "Sub-microsecond Technique for Simultaneous Observation of Input and Propagated Impact Stresses," Joint Symposium, The Dynamic Behavior of Materials, University of New Mexico and Rocky Mountain District, ASTM, Albuquerque, Sept. 27-28. Mr. Jones will make the presentation.

J. H. Smith (1113), "The Three Low Pressure Spall Thresholds in Copper," Joint Symposium, The Dynamic Behavior of Materials, UNM and Rocky Mountain District, ASTM, Albuquerque, Sept. 27-28.

W. B. Murfin (7182), "Phase Measurement in Vibration Tests," 31st Symposium on Shock, Vibration, and Associated Environments, Phoenix, Ariz., Oct. 1-4.

C. O. Dean (3421), "Integrating A Library Machine System," AEC Division of Technical Information Extension meeting, Oak Ridge, Tenn., Sept. 11-13.

F. F. Eichert (4410), P. A. Nicovich, and R. O. Dell (both 4412), "The Projected Tolerance Zone Concept As Applied to Threaded Holes," Drafting Practice Section of ABC Meeting on Engineering Standardization, Harriman, N. Y., Sept. 22-26. Mr. Nicovich will make the presentation.

L. J. Vortman (5412), "Cratering Experiments With Large High Explosive Charges," 32nd Annual International Meeting of the Society of Exploration Geophysics, Calgary, Alberta, Canada, Sept. 16-20.

Your ECP Dollars

Go the 'Extra Mile'

A further report on where your ECP dollars go includes the Family Consultation Service and the Boy Scouts. Here are the personal accounts of two Sandia employees who visited these organizations.

Not all organizations receiving help from Sandia Employees' Contribution Plan have been reported in this series of articles. There are

34 benefactors from your ECP dollars—this figure in itself demonstrates the dollar-stretching qualities of the employee-operated once-a-year solicitation.

Next week is your chance to go that extra mile for your fellow Albuquerquean. A pledge equivalent to one hour's pay per month is your fair share.



PROFESSIONAL help for the family in difficulties is provided by the Family Consultation Service. Mrs. Catherine Brown, Director of Service, counsels a young housewife at Service office about family problems.

Happy families are precious things .

As told by C. G. Coalsen (7325-2)

Thomas J. Watson, president of International Business Machines, Inc., said recently that family breakdown is a major human problem in America today. This is not limited only to families that are actually broken or on the verge of separation, divorce, or desertion. More subtle is the effect of deteriorating family relationships, or the actual absence of healthy family life, on a substantial number of our population.

He continued that there is nothing more rewarding to parents and to children than the satisfactions to be derived from a home characterized by love and stimulated by common interests and concerns. There is absolutely no substitute for the experiences of a happy home, and those who miss out on it, at any age, have suffered irreparably.

It was my pleasure recently to interview Mrs. Catherine Brown, Director of the Family Consultation Service, located at 2929 Monte Vista, N.E. It was an interview not soon to be forgotten.

The Family Consultation Service gets its support through contributions, service fees (which are very reasonable), and funds from the United Community Fund, to which Sandians contribute through the ECP.

Mrs. Brown cited several case histories of families the Service has helped to help themselves. She pointed out that sometimes, seemingly small family problems grow until they take on unreasonable proportions and outside help

is necessary. Or perhaps a family may meet an unexpected problem head-on.

Sometimes a successful marriage of many years starts to run aground; parents have problems with their children, or vice-versa. An estimated \$4,000 a year is needed to provide for a delinquent child in a reformatory. How much better it would be for such a child and his family if they could have stayed together, perhaps through the help of a family counseling agency.

Families sometimes need professional help in overcoming their problems. Such help can be found at the Family Consultation Service. The people there are thoroughly dedicated, educated, and trained to efficiently cope with family problems.

I think any family counseling service has a great responsibility for the work that they do. But husbands, wives, parents, and children have the first responsibility of making a strong and happy family. It is also their responsibility to seek whatever help is necessary to keep the family intact.

We would not hesitate to consult a heart specialist about a faltering heart. Why should we hesitate to seek expert help about a family problem, if such help is needed?

The Family Consultation Service plays a very important role in our community. It deserves our generous support.

Several Sandians to Be on Program Of Secretaries Association Meeting

K. A. Smith, Sandia Corporation's Director of Information, Publications, and Public Relations Organization 3400, will speak at a Sept. 29 meeting of the National Secretaries' Association. His topic will be "A Willingness to Grow."

More than 200 secretaries will be attending the all-day meeting, sponsored by the Albuquerque Chapter, National Secretaries' Association (International), to be held at the Cole Hotel. Edith Blum (4200) will MC the morning session, which will include a panel on "Evaluation of a Secretary." Lucille Larrabee (4310) will deliver the opening invocation.

The panel will be followed by a

luncheon and fashion show. Mr. Smith's presentation will be at 1:30 p.m., followed by a panel on "The Road to Secretarial Success." Winifred Sandusky (6000) will serve on the panel. Joanne Boyd (4600) will act as MC for the afternoon activities.

Other Sandians attending the meeting will be Bea Haines (4112), Josephine Hanna (2630), Joye Hughes (4234), Ann Michele (4510), Ann Pearce (5400), Elizabeth Rainey (4220), and Margaret Taylor (4250).

Theme for the meeting is "Today's Secretary Looks Ahead." Registration at the Cole Hotel will be from 8-9 a.m., Sept. 29.

ECP funds go far in helping victims of illness, disease, or misfortune. And through such agencies as the Kit Carson Council, Boy Scouts of America, they also help provide a healthy, creative outlet for the youth of the community. This I saw again and again as I examined the life of the Boy Scouts.

The ideals of the Boy Scouts of America are high ideals: they're ideals of physical fitness, self-reliance, citizenship, leadership, and service to God and country. One boy in four is a Scout, learning those precepts and ideals which make Scouting what it is.

There are three programs of Scouting, each for boys in a given age group. Cub Scouting, for boys 8-10, molds activities around the family. Parents help with simple crafts and achievement programs in the home. Skills result in positive character and citizenship training.

Boy Scouting, for boys 11-17, centers around community activities. Through programs of skill and opportunity for individual recognition, Boy Scouts learn teamwork and develop leadership ability and initiative. The Boy Scout camping program emphasizes self-reliance, resourcefulness, and cooperation.

Explorer Scouts, for young men of high-school age, offers a range of opportunities for high adventure, community service, social activities, and vocational exploration.

George Bullock, Scout Executive for the Kit Carson Council, told me something about the purposes of the Scout movement, and its local organization. He pointed out that many people think of Scouting as a program to teach boys to tie knots and camp in the woods. Actually, the camping program is only a part of the Scouts' activities. The goals of the movement are outlined above. The Scouts' activities are means to achieve these goals.

These activities are multifold—too many to be outlined briefly. But an example or two may give some idea of the range of their activities.

Some 1,500 boys have volunteered their help during the Sabin vaccine campaign held in Albuquerque. Such work is typical of that done by Scouts. Whenever a community campaign or project can use their help, they're ready to provide it.

The Kit Carson Council is the largest council in the continental U.S. Many Sandia employees are active Scout leaders, and many of their children are involved in the Scout movement.

Scouting offers its opportunities to any boy who wishes to join the movement. But volunteer leaders are needed to give programs, services, and facilities to the boys. The support we Sandians can provide through our contribution to the Employees' Contribution Plan is needed.

As told by R. F. Ashmore (1332)



RESOURCEFULNESS and self reliance, virtues which are a part of Scouting, have been instilled in these Boy Scouts through community services, experience in camping and woodcraft, and many other activities.

Hand-Made Hybrid Dragster Expected to Reach 115 MPH

"I try to build all the good ideas into one automobile," Roy Mullin (4412) said recently. Roy builds racing dragsters to his own specifications and plans.

His latest effort is a "C" class drag roadster built for National Hot Rod Association competition. Its body is a fiberglass replica of a '24 Ford roadster, but from there, resemblance to any other automobile, living or dead, is purely coincidental.

Roy has built seven cars. "It started some time ago," he explained. "I used to build models, and I developed an urge to try something different. I found information in magazines, and I picked up some at racing meets."

He has had no formal engineering training. "My father and brother are mechanical engineers, and I suppose I've inherited some of their interests," he continued.

The latest dragster has been in the making for a year and a half. Class "C" roadsters must meet a weight limit of four pounds per cubic inch piston displacement. The fiberglass body, with a weight of 35 pounds compared to the 265-pound weight of a metal body, enabled Roy to "beef up" the frame for added strength and safety.

Vital Statistics

Here are some other vital statistics:

Engine: Ford '46 vintage with Edelbrock heads, Edelbrock 4-carburetor manifold with Stromberg 97's, H.&C. magneto, Shaffer fly-wheel assembly, Howard camshaft (ground to Roy's design), 3 $\frac{3}{8}$ " bore and 4 $\frac{1}{2}$ " stroke (322 cu. in.);

Transmission: '40 Ford with '52 1/2-ton pickup gears and '58 Ford synchromesh;

Rear-end Assembly: 1939 center

section with '58 Ford station wagon short axles adapted for narrow tread (52" rear, 56" front).

The frame is constructed of gas-welded chrome-moly tubing. So are the roll bars.

Bill Palmer (6021) finished the body with 12 coats of hand-rubbed black lacquer. The whole assembly is equipped with aluminum-magnesium wheels, '58 Ford wagon brakes, and a drag chute for braking safety.

"We expect to have it in racing form by the first of next year," Roy commented. "We're shooting for top speeds in the 115-120 mph range."

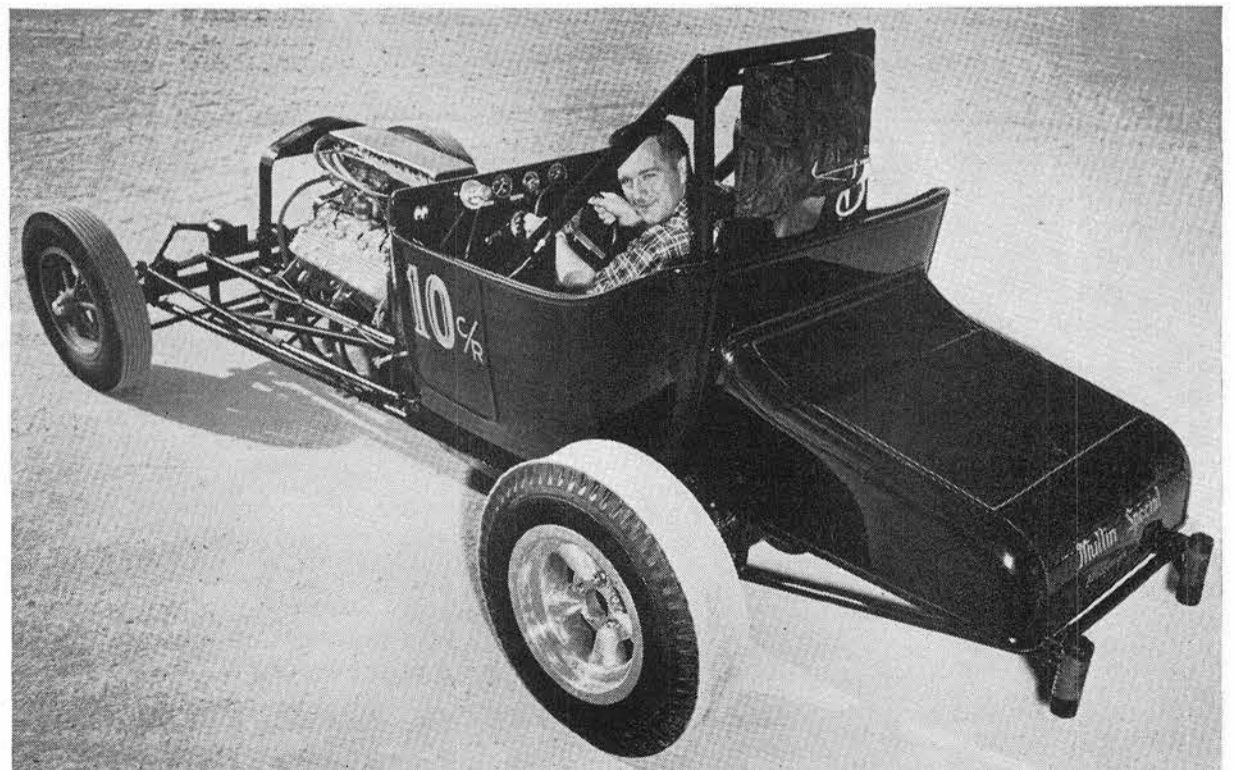
The car's first trials will take place at the NHRA strip in Amarillo, Tex. The National Hot Rod Association has been working for several years to raise the status of drag racing to that of other forms of auto racing. Today, drag racing as sponsored and regulated by NHRA is a respected and popular motoring sport.

Drag Racing

"A drag race is an acceleration race, run from a standing start for a quarter of a mile," Roy explained. "Only two cars are involved in each run. They race down two lanes, from 30 to 60 ft. apart. At the end of each lane is an electronic elapsed-time clock which the car shuts off as it passes a finish point. It's the elapsed time that pays off."

Roy's dragsters have brought him a number of rewards. He's gathered together 46 trophies in eight years. He holds strip records at Roswell, Hobbs, Amarillo, and Oklahoma City.

"I've enjoyed the racing part of it," he concluded. "But for me, the pleasure comes in putting everything together."



READY for plenty of action, trim Class "C" drag roadster is tried on for size by its creator, Roy Mullin (4412-5). In past eight years, Roy has gleaned 46 trophies at NHRA meets throughout the Southwest.

Parks—Their Founding and Care Is Jim Marsh's Out-of-Hours Job

Jim Marsh's full time job is that of supervisor of Sandia's Classification Division 3422. For two years, he's spent much of his spare time serving the cause of Albuquerque's parks and recreation facilities. In May, he was elected chairman of the Albuquerque Parks and Recreation Board. This is a non-paying job which calls for a special type of person. He is that.

Jim wields a wry sense of humor; in conversation he can disarm one skillfully, but when talk turns to parks and recreation, he often abandons subtlety to state some firm convictions about the subject. For him, the chairmanship is not so much a climax of his board activities as it is an opportunity to continue a long-time interest in the people and parks of Albuquerque.

"It's difficult to explain such an interest," he commented recently. "I started with a layman's knowledge of parks and administration, but I've been learning—and becoming more interested—as I went along. My education included subjects like The Care and Feeding of Elephants. It's a specialized subject, but far from dull."

Another Sandian, Jack Hueter (2563), has served on the board since 1953, and was instrumental in establishing the Children's Zoo. Jack has also served as chairman. Both Jack and Jim, along with other board members, helped in planning and consulting phases for the zoo.

One goal of the park board is to develop more parks. Other projects include a pilot program for joint group use of city and county school recreational facilities.

"Currently, raising of funds for park improvement and other activities is a problem," Jim continued. "Each year, costs of establishing and maintaining the facilities go up."

One of Jim's favorite projects is the Children's Zoo. "I guess the kids make it what it is," he continued. "Their enthusiasm is infectious, and you can't be around them for very long without catching some of it."

In conjunction with the zoo, Jim would like to see establishment of a zoological society which will handle administration in conjunction with the city; have a hand in maintaining and changing facilities; and arrange for lecturers, programs, and other zoological activities.

"The zoo is a fine educational

experience for people—especially kids—right now," he pointed out. "Ideally, and given the right conditions, it will become a major force in making people more aware of the way of life of animals, birds, and plants, and the environments in which they live."

The park board is aware that a good park and recreation system is everyone's business. They're encouraged by the fact that many local civic groups and individuals are interested in Albuquerque's park and recreation facilities.

"Such groups as the Heights Optimist Club and Highland Kiwanis give invaluable time and effort to the park projects," Jim said. "Garden Clubs beautify the parks and other projects. In one instance, two individuals bought, planted, and cared for shrubs on the divider in front of their house. That's community spirit."

Recreation for a group as large as the citizenry of Albuquerque—youngsters and oldsters alike—comes from many sources, some public and others commercial. "We emphasize expansion of the whole system," Jim concluded. "The efforts of interested groups and individuals on behalf of the park system are welcome. The parks belong to everyone."

Supervisory Appointment

DONALD R. ADOLPHSON to supervisor of newly created Section 1121-3, in the Metallurgy Division. Don has been at Sandia Laboratory five years engaged in materials development work.

He came to Sandia in 1957 after completing a Masters degree in Metallurgy at the University of Illinois. He earned his Bachelors degree from Illinois Institute of Technology in 1953.

He worked in the research laboratory of International Nickel Company in 1954, spent two years in the U.S. Army, and joined the Barber-Colman Corporation before starting at the University of Illinois.

Don is a past secretary of the local chapter of the American Society for Metals.



EMERGENCY FORCE of Sandia Laboratory met last week for another in a series of training sessions. The 50-man group assembled within eight minutes of being called. During the session D. S. Tarbox (3200) emphasized the importance of being prepared to handle local emergencies such as floods, storms, or accidents.

Emergency Force Assembles For Routine Test Exercise

"We hope you will never be called for a real emergency," D. S. Tarbox, Director of Security and Industrial Relations 3200, told Sandia Laboratory's 50-man emergency force last week.

The force had assembled within eight minutes after being called. Purpose of the assembly was another in a continuing series of training sessions. The group is composed of volunteers, some of whom possess special skill or

knowledge which would be of value in emergency situations.

The force, created to deal with emergency situations, has been in existence for about two years.

The group met in Bldg. 815 for the training session conducted by John Timmons of Emergency Planning Section 3232-1.

Mr. Tarbox spoke to the group on the importance of being prepared to handle local emergencies such as floods, storms or accidents.



Estelle Richardson

Meet Your Reporter

Estelle Richardson (2440) has served as a Lab News reporter for several different organizations at Sandia. She has reported for System Test Equipment Development Department 2440 for the past year.

Estelle started her career at Sandia 10 years ago, first in Field Testing Organization 7200, and later in Department 2440.

"Bridge is one of my favorite pastimes," Estelle commented recently, "and fishing is certainly another. Both take up a good deal of spare time. Whatever is left over, I devote to art and travel."

Promotions

- Trinnie V. Romero (3126) to Teletypewriter Operator
- Linda M. Bureau (3126) to Typist Clerk
- Jacob Castillo (2643) to Property Clerk
- D. E. Schweitzer (4135) to Invoice Clerk
- Priscilla H. Spahr (5425) to Data Reduction Clerk
- Terrance M. Weber (8123) to Data Reduction Clerk
- Hubert L. McCall (7536) to Technical Assistant
- Joann H. Flinchum (5425) to Staff Assistant, Technical
- Lessie G. Lee (5425) to Staff Assistant, Technical
- Jeanne R. Smith (8123) to Staff Assistant, Technical
- Wesley F. Hodges, Jr. (3241) to Staff Assistant, Adm.
- Eugene C. Moser (3241) to Staff Assistant, Adm.
- Betty J. Watson (3126) to Typist
- B. R. Hollingsworth (3126) to Secretarial Typist
- John F. Ayala (3444) to Mail Clerk
- Bernie Vallejos (3444) to Reproduction Service Clerk
- Gregory M. Silva (3444) to Reproduction Service Clerk
- Nellie S. Sanchez (3452) to Tabulating Equipment Operator
- Brenda E. McAtee (4135) to Invoice Clerk
- Terry A. Leighley (3444) to Microreproduction Equipment Operator
- Leon B. Strauch (2642) to Expediter
- Ronald A. Johnson (8232) to Photolithographer
- Bobby G. Allen (8232) to Pressman
- John J. Nuovo (8223) to Machinist
- Paul L. Freeman (8225) to Inspector
- Margaret G. Heeszel (8114) to Typist
- Robert A. Joseph (8232) to Camera Operator
- Dorothy M. Fones (8114) to Service Clerk
- Ruth C. Flanagan (8212) to Secretary
- P. A. Carothers (8232) to Service Clerk
- Arnold D. Andrade (8225) to Staff Assistant, Technical
- Gloria M. Gonzales (4131) to Disbursements Auditing Clerk
- Danny E. Walkenshaw (8214) to Stockkeeper
- Alan L. Richards (8214) to Stockkeeper
- Sharon J. Ham (8232) to Communications Operator
- Ann Paxton (3121) to Personnel Clerk
- Sandra L. Borgrink (3151) to Employment Clerk
- Clarence L. Himes (4512) to Machinist
- Everett M. Click (1321) to Staff Assistant, Technical
- Nemesio Martinez (4212) to Material Handler
- Edward J. Hodyke (3444) to Messenger
- Robert L. Gabaldon (4132) to Tabulating Equipment Operator
- Isabelle C. Fuller (4333) to Record Clerk
- Glada C. Costales (4423) to Typist
- Doris L. Guntrum (8116) to Record Clerk
- Coral J. Meeke (8161) to Messenger Center Operator
- Ella D. Ward (8161) to Service Clerk
- David B. Davis (7325) to Laboratory Assistant
- B. W. Schneider (5152) to Laboratory Assistant

AEC To Install Water Lines, Repair Paving In Sandia Laboratory Areas

The Atomic Energy Commission advised contractors last week that bids will be invited soon for two projects involving pavement repairs and construction of a water line at Sandia Laboratory.

Bids for the water line project will be invited about Oct. 2, and opened Oct. 25. The work, to be completed within 120 days, includes furnishing and installation of 13,000 linear ft. of 10-in. Class 150 AC and 2,000 linear ft. of 10-in. Class 200 CI water lines in Areas II and III. The project also includes installation of miscellaneous valves, fittings, two concrete valve pits, and minor electrical work and connections to existing

systems. C. R. Mills (4543-2) is the Plant Engineering Department project engineer.

Bids for the pavement repairs and street patching work in Tech Area I and II parking lots are to be invited Oct. 9, opened about Oct. 26. The job includes removal, disposal, and replacement of some 350 ft. of concrete curb and gutter, curb construction, and more than 2,000 sq. yds. of patching.

Work is to be completed within 75 days after the contractor receives notice to proceed from the AEC. R. G. Piper (4543-3) is the Plant Engineering Department project engineer.

Sandia Pilot Flies Surgery Patient Home from Houston, Tex., Hospital

"It was a precision piece of flying," Floyd Hursh (2632) said last week describing a flight from Houston, Tex. "My boy was in a cast recovering from tremendously complicated spinal surgery. A bad jolt might have caused irreparable damage. Charlie Herndon did a fine job. We're grateful."

Charles D. Herndon is a Field Engineer in Field Services Division 2332. He is also a pilot of some accomplishment. He volunteered to fly Floyd's son back to Albuquerque after the operation.

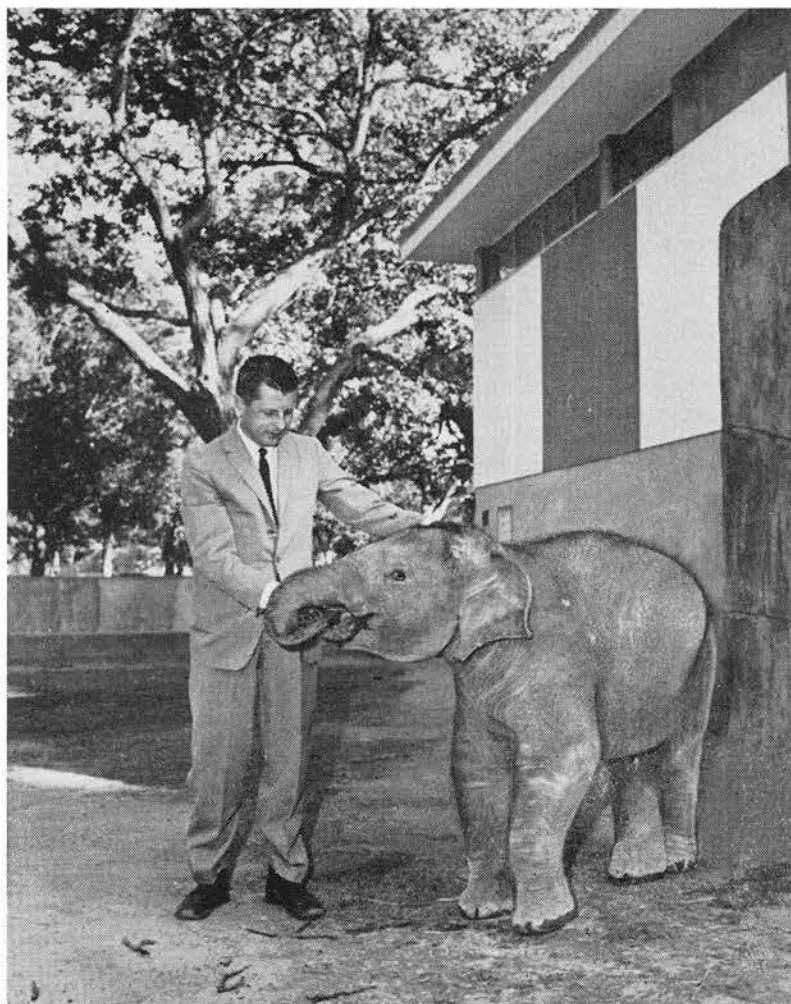
The plane was a rented five-place Cessna fitted with a special stretcher. The Sandians left Albuquerque Wednesday afternoon, Sept. 19 and arrived in Houston that night. On Friday, after a delay for special fittings for the aircraft, the flight back was accomplished.

"We were lucky," Charlie said. "We had good weather all the way, and it was an excellent airplane."

"An excellent pilot, too," Floyd added.



TAKING GAVEL as new president of Livermore Toastmaster's Club is George Rusicka (8161-3). Monitoring rehearsal of acceptance speech are (l to r) newly-installed officers Chester Tarne (8164-1), 2nd vice president; Malcolm Maddy (8116-2), treasurer; and Carl Lundbom (8116-3), 1st vice president. Chet holds brush used to whitewash speeches and clicker to signify "uhs and ahs," while Malcolm holds timer and Carl holds "bone" given to speaker if he pulls a boner.



RECENT NEWCOMER to Children's Zoo in Rio Grande Park enjoys a handout of stringbeans provided by Jim Marsh (3422), Chairman of Albuquerque Park Board. Zoo is one of Jim's favorite projects.

Livermore Lab United Crusade Starts Oct. 1; All-Out Participation Is Committee's Aim

Kick-off date for the Livermore Laboratory United Crusade Drive has been set for Monday, Oct. 1. Solicitors in each section will contact employees individually during the five-day drive, it was announced by E. A. Aas (8158), campaign chairman.

Payroll deduction will again be available as a convenience to those contributing to the Laboratory's \$12,000 goal. Deductions of \$1.00 or more may be made for monthly-paid employees and 25 cents or more for weekly or hourly-paid personnel. The first deduction for weekly-paid personnel will be made Oct. 26. Monthly-paid employees' deductions will begin Oct. 31.

Contributors will receive a pledge card, authorizing deductions for year 'round support of the 263 health, welfare and youth agencies taking part in the Bay Area United Crusade, including 89 in Alameda County. Window stickers and receipts will also be given to each contributor.

Increased participation in the Crusade drive is the aim of the Crusade Committee this year, in the hope of enlisting the aid of at least 90 per cent of the Laboratory's work force. Only 75 per cent took part in last year's drive, compared with almost 100 per cent in 1960.

Squad leaders and solicitors who will conduct the Laboratory's campaign this year are:

Squad Leaders

Cliff Erickson (8114), Joe Dar-

ginis (8115), Carlton Scott (8116), Dave Bray (8120), Ken Mitchell (8140), Pat Gildea (8150), Jim Grady (8160), Jim Henderson (8210), Ray Walker (8220), Patrick Portolese (8230), Barney Goncher (8240), and C. R. Barnard (8150), executive solicitor.

8110: G. L. Hudson (8114-1); A. J. Loveless (8114-1); C. M. Hamlin (8114-2); B. M. Biergiel (8114-3); P. H. Koetting (8114-4); R. A. Bailey (8114-5); M. T. Ferrario (8114-5); J. R. Keski (8115-1); P. R. Coronado (8115-2 & 3); Billie Ellis (8116-1); Dewey Farmer (8116-2 & 4); Hans Birnbaum (8116-3).

8120: G. A. Hickey (8121-1); F. T. Beers (8121-2); I. B. Ward (8121-3); G. G. Bennett (8122-1); R. L. Miller (8122-2); C. D. Skoog (8122-3); D. F. Varley (8123-1); R. W. Stammer (8123-2); W. Parsons (8123-3); O. C. Moore (8124-1); F. Dalrymple (8124-2); M. R. Wells (8125-1); H. F. Norris (8125-2); R. J. Brousseau (8126-1); H. G. Short (8126-2); B. C. Moore (8127-1); R. L. Read (8127-2).

8140: J. E. Marion (8141-1); D. K. Dean (8141-2); W. E. Landt (8142-1); D. N. Munro (8142-2).

8150: P. M. Johnson (8151-1); J. D. Gilson (8151-2); P. G. Hepner (8155-1 & 2); W. G. Conn (8158-1 & 2).

8160: Roberta Cody (8161-1); Dale Irving (8161-2); Robert Ware (8161-3); Bill Gordon (8164-1); Miles Nelson (8164-2); Dave Timmer (8166-1); Bill Clarke (8166-2).

8210: Marlin Pound (8212-1, 2, & 4); Grace Worth (8212-3); Patricia Mann (8212-3); Lois Strandin (8212-5); Carlene Mohr (8212-3); Barbara Dolstra (8212-3); Christie O'Shea (8212-3); June Tomsic (8212-5); Mary Sites (8213-1 & 2); John Bacher (8213-3); Danny Walkenshaw (8214-1, 2, & 3).

8220: Leonard Bedinger (8221-1 & 2); Arthur Hindmarsh (8222-1); Theodore Saselli (8222-2 & 3); Paul Knechtli (8223-1); Allen Foo (8223-2); Raymond Walker (8225-1 & 2).

8230: Phyllis Munn (8232-1); Carol Portolese (8232-2); Herb Pruett (8232-2); Bob Joseph (8232-3); Bob Harks (8233-1 & 4); Canice Azevedo (8233-2); Virginia Smeltzer (8233-3); Hank Stratmann (8234-1); Joyce Moore (8234-2); Donald Gallagher (8234-3); Pearl Johnson (8234-4); Mary Vincent (8234-5).

8240: Mary Van Brocklin (8241); Dorothy Thompson (8242); Barth Riedy (8243).

Red Cross Blameless For Coffee Charges In World War II

A few potential contributors to the United Crusade have objected to giving in past years because of Red Cross participation in the crusade. Most of these have objected on the grounds that the Red Cross charged them for coffee and doughnuts and other services during World War II.

Recent information has proved conclusively that although the Red Cross did make such charges, it was done on orders from the Army and against standard Red Cross practices.

The following letter, written in 1942 by Secretary of War Stimson, addressed to N. H. Davis, Chairman of the American National Red Cross, explains the reasons for the Red Cross' action:

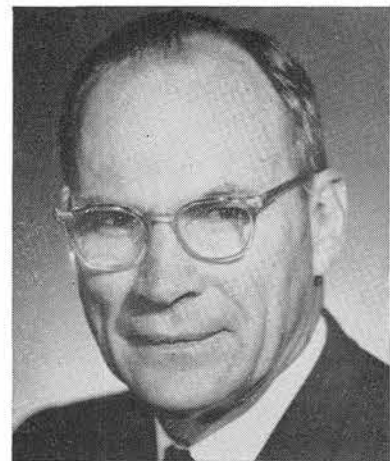
Dear Mr. Davis:

United States military authorities in Great Britain have requested the Red Cross to establish clubs in certain cities in that area with a view to providing, as circumstances dictate, sleeping accommodations and meals in addition to the usual recreational facilities. The provision of food and lodging for enlisted personnel while on furlough, and at prices within their means, is a most important recreational facility, as many soldiers cannot otherwise avail themselves of leave privileges. The Red Cross officials appear to be reluctant to provide these accommodations, except on a basis of no charge to servicemen . . .

The War Department appreciates the motive of the Red Cross with respect to this matter and its established policy of free service, but under the circumstances it is believed impractical, unnecessary and undesirable that food and lodging be furnished free . . . It is believed advisable that American soldiers be required to pay at least the actual costs of meals and lodging furnished for their convenience and benefits while on furlough. Such procedure is considered a sound business arrangement and conforms to local practice. It is therefore believed that such procedure should be adopted because of its merit rather than because the local military commander requests that charges be made for the proposed services.

The War Department recommends that the Red Cross authorities in the British Isles be authorized to provide these services at such cost as they deem appropriate.

Sincerely yours,
/s/ Henry L. Stimson
Secretary of War



A United Crusade Message

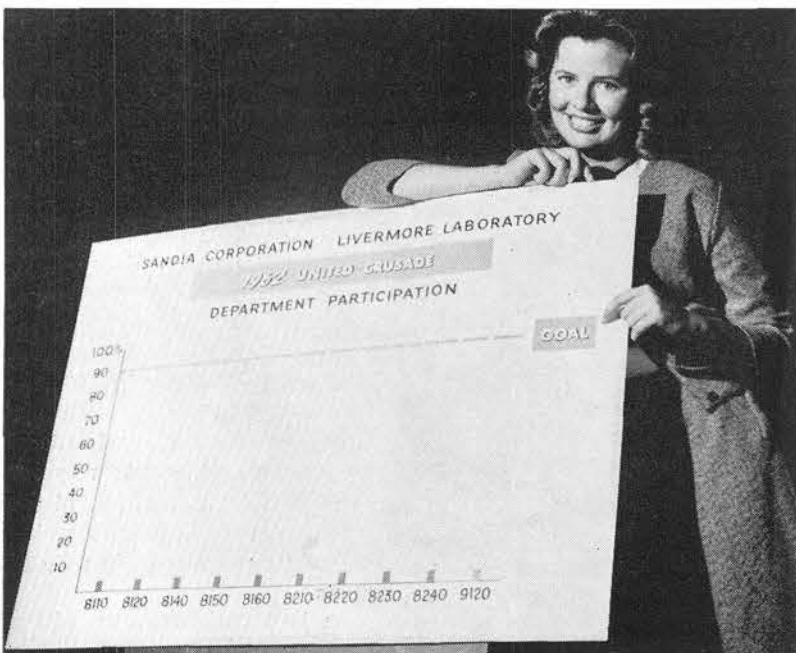
When you read this issue of the **Lab News** the annual United Crusade drive at Livermore Laboratory will have begun. Our Crusade Committee will be working hard to achieve all-out participation. It is not necessary for me to remind you of all the good which the United Crusade does. You know that many agencies in the Bay Area, supported by our contributions, are helping less fortunate citizens to meet the problems of everyday living. You also know that the Crusade supports character-building youth organizations. In the Bay Area last year, for example, two of three families, many of them Sandians, received direct benefits from one or more of these agencies.

The purpose of this message, therefore, is not to emphasize the need, but to make a suggestion about the response. The principle of united giving is now well established in America and most of us agree that it has many advantages. It has, however, one glaring weakness. Too many people forget that their United gift, to do the whole job, must be several times larger than the few dollars which they would cheerfully have given to each of several individual agencies.

It is true that no one can tell you what your obligation is. But you owe it to yourself and your community to ask yourself how much you would have contributed **in total** had each of the agencies you support come to you individually and requested help. This sum, contributed by each of us, will bring us up to and over our goal of \$12,000 easily. It is also one of the finest ways I know to meet our obligations to our neighbors, near and far, and to render a well-earned "Thanks" to the members of the Crusade Committee who have worked so hard in this campaign.

B. S. Biggs

B. S. Biggs, Vice President
Livermore Laboratory



PRETTY KITTY DYSON (8212-3) urges all-out participation in the 1962 Livermore Laboratory United Crusade Drive as she points to the goal sought for each department taking part in the drive. Charts like this will be displayed in prominent places throughout Livermore Lab.

Crusade Donations Benefit Many Bay Area Agencies

Livermore Laboratory's \$12,000 target for the 1962 United Crusade will go toward the support of 89 health, welfare, and youth services serving Alameda County.

To meet the Laboratory goal, all-out employee participation is necessary. Last year Sandians raised a record of \$11,191, not including the Corporate gift. This was still short of the 1961 goal of \$12,000.

Money raised this year will help meet the increasing demands on Crusade agencies throughout the Bay Area.

In the Livermore and Pleasanton areas alone last year, Sandians' donations helped provide the following services:

American Red Cross instruction to 477 persons in swimming and life-saving, first aid, home nursing, mother and baby care, and fitness for the future. Home services for an average of 28 families per month—families of men and women in the armed forces with personal and family problems.

Arthritis and Rheumatism Foundation aid to seven local residents.

Boy Scout activity for 1,080 boys.

Catholic Social Service assistance to 42 families in resolving personal problems.

Children's Hospital of the East Bay outpatient services for 95 area children and inpatient care for five youngsters.

East Bay Rehabilitation Center assistance to three persons to help overcome physical disabilities.

Family Service Agency counseling for 103 families, including 55 cases involving parent-child problems.

Girl Scout program for 1,200 girls.

Lincoln Child Center guidance for emotionally disturbed children, foster home placement, and family consultation for five local residents.

Salvation Army aid to 144 needy individuals and families.

Travelers Aid Society assistance for seven persons.

Visiting Nurse Association visits to 84 patients.

YMCA programs for 94 individuals.

YWCA programs for 39 persons.

Give the United Way



INNOCENCE OF YOUTH, as portrayed in this photo of the United Crusade Poster Girl, can be protected by your gift to the United Crusade. Your gifts, and others, "will work many wonders" for those seeking assistance from Crusade agencies. The drive starts Oct. 1.



MAKE SENSE? Thirty-four hands offer Sandia Lab employees' average monthly ECP pledge — \$2.04. This amount, each month, meant one cent to fight multiple sclerosis, three cents

to help retarded children, two cents for better mental health, etc. Two organizations, American Social Health and National Social Welfare Assembly, received only a fractional portion

of one cent; thus these hands appear empty. Pennies they are, but there would be enough pennies if each Sandia employee gave one hour's pay each month — his "fair share."

1962 ECP Solicitors

1100-1300
Captain: G. J. Hildebrandt
 Donald W. Smith, Roy G. Fitzgerald, Helen Spriggs, Don J. Gould.

1400
Captain: R. T. DePew
 J. W. Frizzell, W. E. McDonald, W. J. Meyer, S. A. Merriam, G. J. Pasko.

2340-2400
Captain: W. C. Kraft
 V. A. Bailey, J. A. Woodley, R. J. Reed, H. E. Sloane, T. Starr, R. E. Baach.

2300-2500
Captain: J. R. Sublett
 D. V. Doleshal, C. G. Claghorn, D. W. Bushmire, R. G. Meier.

2600
Captain: J. R. Meikle
 R. Creveling, R. Krieg, R. E. Whitford, O. H. Schreiber.

3100
Captains: C. C. Fornero, J. R. Garcia
 H. E. Christenson, Jane Humphrey, Jane Lord, Kendra Longfellow, Richard Reed, Harold Hanna, Herb Pitts, Ann Paxton, Mary Harrison, Peggy Burrell, Jean Miller, Bert Quelle.

3200
Captain: D. R. Weldon
 Hugo Flores, B. Bedwell, John Ivey, Wes Hodges, Fred Brooks, Bill Bramlett, Paul Yunker, Jack Miller, Louis Avila.

3400
Captains: L. F. Parman, W. W. Ives
 Irene Brian, M. Sanguinetti, Doris Welch, E. K. Gardner, Beatrice Schowers.

4100
Captain: M. E. Grothe
 W. B. Fleming, D. F. Baca, R. Lowery, B. F. Coleman, L. W. Peterson, T. L. Beckley.

4210
Captain: B. D. Neil
 Horace Montoya, Hilda Cruz, Dave Smith, Bernardo Gallegos, Fred Stewart.

4220
Captain: C. E. Runyan
 Charles Riley, Richard Hicks, Peter Ferkaich, Lee Pierce, Ken Schooley.

4230
Captain: D. A. Watt
 Frank Leyba, Andy Landis, Camille Rudeau, Phil Zuni, Virginia Miller, Jennie Spann, Lawrence Williams, William McElvaney.

4250
Captain: A. C. Taylor
 C. L. Shaw, R. S. Shattuck, P. G. Rosopo, L. J. Bowen, R. J. Beall, D. W. Davis.

4400
Captain: K. H. Lloyd
 G. B. Roberts, R. K. Pace, H. A. Schultz, Mrs. C. M. Morter, W. W. Hunt, H. G. Fifer, D. H. Cranston, C. N. Visbeck, W. Jones.

4510
Captain: J. H. Simmons
 Fred Crocker, Dale Peckum, W. C. Baldwin, W. E. Moulds, E. Benavidez, E. J. Eslinger, W. G. Mabery, Don Sullivan, R. L. Whitlow, Raymond Lucero.

4540
Captain: S. L. Johnson
 V. O. Easley, F. J. Tufts.

4570
Captain: L. R. Wilson
 Robert Hartenberger, Alfred Montoya, Robert Williams, Louis Gallegos, William J. Smith, Herman Armijo, Erineo Jaramillo, Roy Furrow, Rudolph Lovato, George Edwards.

4610
Captain: A. Blain
 O'Donna Scaff, J. M. Sanchez, E. Monahan, Eleren Uliavarri, C. Monroe.

4620-4630
Captain: W. A. Otero
 G. Cordova, F. Saavedra, Dorothy Pinkerton, Charles Byrne, Don Hoffheins, Paul Leonard, Margaret Jarvis, M. Suazo, Frank Speakman, Virginia Sims, Betty Thom.

5100-5300-5400
Captain: D. H. Anderson
 W. B. Benedick, F. K. Truby, Mary Mayes, C. W. Gwyn, W. D. Weart, B. W. Lindsay.

7100
Captain: A. Y. Pope
 R. M. Halsay, L. E. Anderson, H. A. Mullin, R. W. Jorgensen, G. Connel, R. T. McVeety, C. F. Magnuson, G. J. Zimmerman, V. J. Roh, D. W. Doak, Betty Drake.

7200
Captains: T. L. Pace, H. S. North
 D. K. Buchanan, H. W. Nunez, D. C. Bickel, F. Cericola, D. L. Krenz, K. M. Timmerman, R. L. Posey, R. W. Bradshaw.

7300
Captain: W. H. Cross
 A. T. Marrs, H. V. Fisher, J. M. Lohse, E. S. Ames, C. S. Rathbun.

7500
Captain: E. M. Hodges
 C. R. McKelvey, F. W. Corner, B. E. Shea.

Red Cross Needs Volunteers to Help Bernalillo Chapter

Volunteers are needed. The Bernalillo County Chapter of the American Red Cross is currently looking for 135 persons who will fill positions of service in the Veteran's Administration Hospital, Sandia Base Hospital, Indian Sanatorium, County Health Department and the Red Cross Chapter office.

The positions are Gray Ladies, Gray Men, Staff Aides, Nurses' Aides, Social Welfare Aides, Motor Service Drivers, and Production Workers.

Those interested are urged to contact the Red Cross Chapter of office, 420 Lomas Blvd. NW.

American Physical Society Fellowship Goes to G. H. Miller

G. H. Miller of Sandia's Aerospace Physics Division 5414 has been elected to Fellowship in the American Physical Society. Mr. Miller received notice of the award three weeks ago.

The fellowship is based on contribution to advancement of physics by independent, original research reported by publication.

Thirteenth Bad Day For Sandia Lab's Safety Record

An accident on Sept 13 dropped Sandia Laboratory's safety record for the 15th time since the first of the year.

An employee in the motor pool suffered a hernia while working on a portable power plant. He was using an open-end wrench to loosen the motor mount bolts when the strain occurred.

He was taken to Medical Department 3320 and surgery was arranged at a local hospital. At the time of the accident, Sandia Lab's safety record stood at seven days.

Sandia's Safety Record

Sandia Laboratory HAS WORKED 420,000 MAN HOURS OR 12 DAYS WITHOUT A DISABLING INJURY

Livermore Laboratory HAS WORKED 496,000 MAN HOURS OR 91 DAYS WITHOUT A DISABLING INJURY