ECP Drive Oct. 1-3

100% Fair Share Pledge Would Be Stroke Against Illness, Want

Two goals are in mind for the Sandia Laboratory's Employee Contribution Fund Drive Oct. 1-3, according to J. W. Hoekstra, chairman of the ECP Committee.

The goals: First, 100 per cent participation by employees, and second, a fair-share pledge from each employer.

What's a "fair-share pledge"? It has been described by the committee as equivalent to one hour's pay each month.

If an employee's pay is $2 per hour he would need to pledge only 45 cents per week to do his fair share. If his weekly pay is $100, his fair share is 75 cents per week. An employee earning $900 per month is doing his fair share with a $3.50 monthly deduction to ECP.

If all Sandia Laboratory employees become fair-share members of the ECP the needs of the local health and welfare organizations would be more nearly met.

"The need for those who have, to help those who have not, is greater than ever," Jim Hoekstra reminds us. "Our fair-share program is so small that it takes a particularly insensitive person to turn his back on the needs of his fellow men."

F. L. Vook Will Present Paper at International Conference in Japan

F. L. Vook (3611) will be among scientists from universities and laboratories in 31 countries who will present papers at the International Conference on Crystal Lattice Defects in Japan, Sept. 7-12. Prior to this conference, he will attend a symposium in Tokyo on Mechanical Aspects of Lattice Defects.

J. B. Koehler, a consultant to Sandia Corporation, is co-author of two papers which will also be given at the meeting. He is a faculty member of the University of Illinois.

The symposium and conference are being held under the auspices of the International Union of Pure and Applied Physics organized by the Physical Society of Japan.

Mr. Vook's conference paper, entitled "Interstitial Configurations in Copper, Silver, and Gold," will be read. The study of lattice defects at Sandia Laboratory is a very active program, with work being carried out in production of lattice defects by radiation; nature of lattice defects produced; kinetics of annealing; interaction of lattice defects with electrons and phonons; and formation of multiple defects.

SANDIA Laboratory's Development Shops originally consisted of a truck-mounted machine shop, a welding shop on another truck, and a steel building housed in from Wendover, Utah. The contract as seen today is inoperable. Now, only 17 years later, the shops are housed in a complex of buildings. And the variety of crafts represented is extensive.

Director R. J. Hansen (4200) has more than 400 employees responsible for producing 25 crafts reporting to him. Investment in equipment for the Development Shops is approximately $4,000,000. This includes various tools and test equipment used by skilled engineering technicians to meet the Sandia Laboratory's Development Activities needs.

A new change from the original "machine shop" on abandon•

The prototype models are 1:10 of the actual hardware and were manufactured under a cost-reimbursable contract. The employees who made the models were paid $1 per hour for the first phase of Bldg. 840. The prototype models were completed in early 1960. The mining and processing operations were consolidated under one roof. Production unit work was gradually de-emphasized, and specific facilities were established to back-up changing areas of interest in research and development.

There is a constant effort to keep abreast with ever-present changes in craft techniques. In addition, Sandia employees often suggest improvements, application, or use of new materials which are at the forefronts of the state of the art.

Knowledge of advances in technology is obtained from frequent contact with other AEC contractors, Bell Telephone Laboratories, and Western Electric Company. There is an exchange of ideas in professional meetings, information available in technical journals, and specialized courses offered out-of-hours at Sandia and at the University of New Mexico. These courses are taken voluntarily by...
Editorial Comment

Economics Literacy Via TV

Qualifications are abundant in the man who claims to be a physicist, biologist, agronomist, or psychologist. But, in this free society, any man may claim it — and this is probably right. The only question is whether he is a good, bad, or indifferent one.

Economics is both the bone and fiber of our existence. As with anything else, the better we understand our economy, the better our skill in keeping it healthy. Yet, most Americans know little about the economics of the country. Discover early, perhaps by dull textbooks, many otherwise responsible citizens today have only spotty and erratic for economy.

"The Rockefeller Report on Education has this to say, "Among the tasks that have increased most frighteningly in complexity is the task of the ordinary citizen who wishes to discharge his civic responsibility intelligently." As the task grows, so must the abilities of the citizens to cope with it.

This is what the new educational movement is trying to do. It is trying to teach the nation's students and adults to think clearly and objectively about economic issues. The mission is taking the form of a nationwide television class, "The American Economy." Not for the slightly faint of heart, the course will be offered on most CBS-TV stations at 6:30 a.m. in Albuquerque it will appear on KNME-TV at 10:30 a.m. and again at 5:30 p.m. daily, beginning Sept. 24. It will be telecast by the CBS-TV outlet in Albuquerque.

In the San Francisco Bay Area the program will appear on KPIX-TV Channel 5 from 6:30 to 6:30 a.m. weekdays beginning Tuesday, Sept. 25. A special preview series entitled "Money Talks" will be shown during the evening hours Aug. 20-24 on KPIX-TV.

Economics isn't quickly grasped like politics and it is difficult to demonstrate by a swift, striking example such as a football game. To Bonnie Montano (4573), Mrs. and Mrs. Richard Gonzales (1431), Mr. and Mrs. James F. Fornero R. Martin J. C. Crawford (5331) and R. D. Dragos (5331) of Kansas State University.

Coronado Club Members Elect Six Representatives to Board of Directors

Six Coronado Club members were elected to the Club's Board of Directors at the annual meeting on Aug. 6. The new directors are H. G. Eskoob (3111), T. S. Edelting (7141), C. C. Creagh (3452), P. Creagh, T. B. Miller (2343), and R. E. Eskoob (7140).

Congratulations

Born:
Mr. and Mrs. Richard Gallegos (7043) a daughter, Gift, Owen Dee, July 21.
Mr. and Mrs. J. R. Asherbird (7042-1) a daughter, Rachel Martin, Jan. 21.
Mr. and Mrs. Harry Chaney (4241) a daughter, Michelle Ann, Oct. 6.
Mr. and Mrs. Charles Westmack (4241) a son, David Charles, on Aug. 1.
Mr. and Mrs. David Barham (5311) a son, Harry David, on June 14.
Mr. and Mrs. Lyman P. Ogle (5417) a daughter, Renee Katherine, Aug. 21.
Mr. and Mrs. Richard Gonzales (6272-2) a son, Robert H., on July 7.
Mr. and Mrs. Charles Lowe (1431) a son, Robert H., on June 6.
Mr. and Mrs. Thomas P. Cope (1451) a daughter, Renee Katherine, Aug. 21.
Mr. and Mrs. Richard Gonzales (5417) to the death of his father in Blackwell, Okla., July 28.
Mr. and Mrs. Richard Gonzales (6272-2) for the death of his father in Los Lunas, N.M., July 24.
Mr. and Mrs. David Barham (5311) to their new home, Mr. Pino will resume his work as an engineer with Sandia Laboratories.
Mr. and Mrs. Cathrall (5311) for the death of their mother in Wollsten, Ohio.
Mr. and Mrs. Thomas P. Cope (1451) for the death of his father in Blackwell, Okla., July 28.
Mr. and Mrs. Richard Gonzales (6272-2) for the death of his father in Los Lunas, N.M., July 24.
Mr. and Mrs. David Barham (5311) to their new home, Mr. Pino will resume his work as an engineer with Sandia Laboratories.
Mr. and Mrs. Cathrall (5311) for the death of their mother in Wollsten, Ohio.

Take a Memo, Please

Run-down heels and haste can combine to create a hazardous situation, almost guaranteed to cause a sprained ankle.

BTL Filmed Nike Zeus Report to Show Sandia Pulsed Reactor Test

The pulsed reactor, a missile component, H. N. Woodall, and D. H. Habling (both 5311) played leading roles in film footage taken at Sandia Laboratory July 19. The footage will be part of a Bell Telephone Laboratories semi-annual report to the Department of Defense on the Nike Zeus project.

T. T. Sharsky, who has been Nike Zeus project coordinator for BTL for the past three years, directed a crew of three men from MPO Production Company, New York City. Other phases of the anti-missile program at Kwajalein, Vandenberg AFB, and White Sands Missile Range, had already been photographed. Mr. Sharsky will write the narration for the film under the direction of Jack Lenat of BTL.

The 16mm color movie will run approximately 30 min. in finished version. It will be telecast by Sandia Laboratories the program showed the two Sandians placing a component adjacent to the pulsed reactor in one scene for a filmed semi-annual BTL report on the Nike Zeus project. (L to R) Director T. T. Sharsky and cameramen Richard Corns and Michael Shapiro shot several scenes at Sandia Laboratory July 19.

SANDIANS D. H. Habling and H. N. Woodall (both right) position component adjacent to the pulsed reactor in one scene for a filmed semi-annual BTL report on the Nike Zeus project. (L to R) Director T. T. Sharsky and cameramen Richard Corns and Michael Shapiro shot several scenes at Sandia Laboratory July 19.

H. G. Page Retired

Herrmann G. Page, an employee at Sandia Laboratory for nearly 11 years, retired Aug. 16. He was a mechanical engineer in Climatic, Centrifuges and Nondestructive Test Section 3283-3. Mr. Page and his wife plan to move to San Bernardino, Calif., to be near their two children and seven grandchildren.

After getting settled in their new home, Mr. Pino will resume his work as an engineer with Sandia Laboratories.

Jewellette Bowlers Meet

Jewellette Bowling League meet will be held Tuesday, Aug. 28 at 8 p.m. at La Casa Room, Coronado Club.
Televising Economic Course to Unravel Mental Tangle Surrounding Confusing American Issues and Problems

Every pin down the reasons behind steadily creeping cost of dwelling and caused food, of gasoline and garden use, of most consumer goods and services? Ever wonder why America imports so many products from foreign countries, or if American families really can live "on the cuff" and like it? What's behind supply and demand and excelled chronic unemployment in certain areas? Is the "Common Mark" good or bad for us?

Maybe you'd like to sell your house, buy a new car, or better appreciate the financial page parlor of the newspapers. What happens when they cut taxes, or what doesn't it do? What is the daily status of the gross national product, after all personally?

What is the GOP answer?

Of those and many another everyday economic issues and problems, most Americans are frequently baffled. But happily, the fog may partially clear through an improvement effort being headed by such widely respected organizations as the American Economic Association, the Joint Council on Economic Education, the National Tax Force on Economic Education, and the Learning Resource Institute.

The effort is a nationwide television program called "The American Economy" which will be offered this fall. It is a part of CBS-TV "College of the Air." The course will be narrated by Dr. John R. Coleman, head of the Economics Department at Cur prayers in Albuquerque.

"The American Economy" will be shown twice daily in Albuquerque.

Educational Aids Applications Due From Employees Taking Fall Studies

Sandia Lab employees planning to take college credit courses under the Educational Aids Program should file applications as soon as possible, according to Staff Training and Education Division 3111.

Applications for courses at the University of New Mexico are scheduled for Sept. 26, 21, and 22. Course of St. Joseph's registration will be held Sept. 16.

Payment of 20 per cent of tuition costs and up to seven and a half hours per week for attending class and traveling are provided by the Educational Aids Program.

Employees who wish to avoid the cashier's line during registration may attach a personal check, for half tuition costs, when submitting their applications to their supervisor for approval. A receipt will be sent by Section 3111-1 to the employee indicating that half the tuition has been received.

Time-off requests may be used in any combination for junior, senior, and graduate students when classes are not available outside working hours. Juniors and seniors will be granted time off for classes only at the beginning or end of the work day and the hours just before or after the noon hour. Graduate students may take time off at any time during the work day.

Employees and their supervisors are encouraged to consider projected work loads and required out-of-town travel before enrolling under the Educational Aids Program.

Many organizations, the Bell System among them, have contributed financially to the course. Participating on the program will be representatives from various segments of the national economy. Frederick R. Kopp, board chairman of American Telephone and Telecommunications, will be among those taking part.

The curriculum will cover 15 general subjects. Typical are: American Resources; Incomes, Jobs, Prices, and Markets; Productivity, and Polities In Between: Governing and Spending; Understanding a Market Economy; The United States and The Undeveloped Nations.

F. K. Truby Article in Technical Journal

"Energy Transfer in Irradiated Alkyl Disulfides" was the title of an article by F. K. Truby (3151), which appeared in the section of the Apr. 16 issue of Journal of Chemical Physics.

No job is so important and we are so urgent that we cannot take time to perform our work safely.

Two Livermore Lab Men Have Narrow Escape in Accident

W. J. Howard (3100) and R. L. Brit (3106) had a narrow escape Aug. 6 when the plane in which they were passengers skidded and crashed while taxiing toward the terminal at Kennewick, Tri.

It was the first near-disaster involving Livermore laboratory personnel flying in commercial airliners. As many as 308 trips are made by Livermore Lab employees in a single month.

Mr. Howard and Mr. Brit were bound for Y-12 at Oak Ridge when the accident occurred. They continued on without mishap.

Environmental Health To Be Responsible for All Respirators in Lab

Environmental Health Division 3311 is checking on all respirators at Sandia Lab. Hereafter, respirators will be considered "on loan" from 3311 to the using organization. The new system will increase safety and provide a method of control for properly check-ups of respirators.

"A respirator is a very individual device," according to H. J. Everest, supervisor of Industrial Hygiene Division 3311, "It must be fitted properly to the person using it, and it must be properly fitted with the right filters for the proposed job."

The Environmental Health Division is asking all Sandia Lab organizations to report to their division, in writing, the quantity and manufacturer's stock number of all respirators in their possession. If respirators are no longer needed they may be turned in to 3311. In the future, these, the sections, will file, issue, and store all respirators.

LAB NEWS

AUG. 17, 1962 PAGE THREE

Supervisory Appointments

JACK L. BOLIN to supervisor of Section 8131-1, Acceptance Equipment Division 1, Liver more Laboratory.

Jack joined the Lab on Sep tember 1956, where he has been employed in project group personnel design and development.

Before 1956, Jack worked for six years as a design engineer in the Navy. He has had Sound Naval Shipyard, Bremer ton, Alabama, involved in design and development of systems for planes on aircraft carriers.

A mechanical engineer, Jack received his BS degree in 1956 from Montana State College in Bozeman.

STEWART A. INGHAM to supervisor of Section 8110-2, Device Support Division 1, Livermore Laboratory.

Stu has been with Sandia since 1958. He was hired in Albuquerque as an electrical engineer and assigned to the Theoretical Engineering Relations. He later transferred to full-scale testing and participated in Engine Plumbbob and Phases 1 and 2 of Operation Rainbow. In 1959 he transferred to Livermore Laboratory where he has been involved in full-scale testing and telemetry development organizations.

A graduate of the University of Wyoming at Laramie, Stu received his BS degree in electrical engineering in 1956.

For the past four years with the Navy during the Korean conflict as an aviation electronics technician.

He is a member of the Institute of Electronics and a member of the Institute of Electrical Engineers.

JAMES S. GRUVER to supervisor of Electronic Design Drafting Section 8110-3, Drafting Division, Livermore Laboratory.

Jim joined Sandia at Liver more Laboratory in November 1957 as a B.A. with a constant mechanical drafting background. Before coming to Sandia, he worked seven and a half years in the machine shop and the engineering department of Girling-Carrier Company, Dallas, Ore. Before moving to Idaho, he had been with a small farming business.

A professional of Porterville (Calif.) Junior College, Jim received his Associates of Arte degree in 1949 majoring in mechanical and architectural drafting. He also attended the School of Technology of Education, McMour, Ore., for one year studying math and science, and has taken evening courses in math at Diablo Valley College.

LESLIE E. WERTZ to supervisor of Programming Section 2110, Electronic Data Processing Division 2110.

Les has been at Sandia since 1959, initially in engineering design and development. The past five and a half years he has been assigned to the electronic data processing project.

He came to Sandia immediately after serving three years in the Navy.

Les received his BS degree in electrical engineering from the University of New Mexico, and is a professional registered engineer in New Mexico.
Prototype Models Made by Skilled Development Shops Craftsmen

**GENERAL MACHINEWORK**

General machine work is actually performed by the machinists. The men at this group are not necessarily skilled craftsmen, although a large number of them work in the machine shop and are capable of performing this type of work. A skilled machinist, who is an expert in his craft, is often referred to as a “master” or “journeyman.”

**MACHINIST**

A machinist is a person who works with metal and other materials using hand tools or machines. They are responsible for designing, building, and maintaining machinery and equipment. Machinists are often involved in the process of prototyping and testing new designs, and they may work with engineers to improve existing machinery. They are also responsible for maintaining equipment and keeping records of machine usage.

**Craftsmen**

Craftsmen are skilled workers who are trained in a particular trade and are able to perform tasks with a high level of precision and quality. They are often involved in the production of custom items, such as musical instruments or furniture, and they may work with other craftsmen to create projects.

**Technical Writings**

Technical writing is the process of creating clear and concise instructions or information that can be easily understood by a specific audience. This can include manuals, reports, and other forms of written communication. Technical writing is often used in industries such as manufacturing and engineering, where accurate and detailed information is critical.

**Perspectives**

Perspectives are a type of view that shows objects from a specific angle or perspective. This can include a close-up view of a single object, a wide-angle view of a scene, or a combination of both. Perspectives are often used in photography and video to create a sense of depth and to focus the viewer’s attention on specific elements.

**Design**

Design is the process of creating a plan or blueprint for a product or project. This can include everything from the overall concept to the final details. Design is often used in industries such as architecture, engineering, and manufacturing, where it is crucial to create items that are both functional and aesthetically pleasing.

**Prototypical Models**

Prototypical models are small-scale representations of larger objects or systems. These models are often used in the initial stages of development to test and evaluate designs before they are manufactured on a larger scale. Prototypical models can be made using a variety of materials, including plastic, wood, and metal.

**Production**

Production is the process of creating goods or services in large quantities. This can include everything from manufacturing to assembly, and it is often a critical part of the business world. Production is also important in industries such as agriculture, where it is crucial to create crops that can be harvested and sold to the public.

**Quality Control**

Quality control is the process of ensuring that products or services meet certain standards before they are released to the public. This can include everything from inspecting materials to testing finished products. Quality control is often used in industries such as manufacturing, where it is crucial to create items that are both functional and reliable.

**Engineering**

Engineering is the process of designing and building structures, machines, and systems. Engineers use mathematics, science, and technology to create items that are both functional and safe. Engineering is a crucial part of the business world, and it is often used in industries such as manufacturing, construction, and transportation.
Your ECP Dollars Go A Lo-o-ng Lo-o-ng Lo-o-ng Way

Sandoval Laboratory Employees' Contribution Plan dollars continue to go the good fight. To study the service these dollars give, the Lab News presents more reports on the agencies receiving ECP money.

Following are accounts of visits to the Salvation Army and Albuquerque Boys' Club, both United Community Fund Agencies.

The following first-hand reports indicate that the ECP dollars go a long way in the fight on illness, misery, want and need. But more dollars are needed to go an even greater distance.

**ECP Distribution For Year Now Reaches $88,661**

At the end of July, Sandoval Laboratory Employees' Contribution Plan dollars given from $9,385 to $88,661 to the Employees' Contribution Plan since the first of December, 1961. The funds are distributed to the United Community Fund, which includes 28 local charity agencies, and to nine national health and welfare agencies.

As the July checks were mailed, the following distributions had been made:

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<thead>
<tr>
<th>Agency</th>
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<tr>
<td>United Community Fund</td>
<td>$8,544</td>
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<tr>
<td>American Cancer Society</td>
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<tr>
<td>Bernalillo County Heart Assoc</td>
<td>506</td>
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<td>Arthritis and Rheumatism</td>
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<tr>
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<tr>
<td>Albuquerque Society for</td>
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<tr>
<td>Children and Adults</td>
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<td>National Multiple</td>
<td>179</td>
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<tr>
<td>Society</td>
<td>1,432</td>
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<tr>
<td>cerebral, backfield</td>
<td>269</td>
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<tr>
<td>Muscular Dystrophy</td>
<td>583</td>
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<tr>
<td>Association of America</td>
<td>112</td>
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</tbody>
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**BETTER HEALTH** better health, better man are products of Albuquerque Boys' Club. The following story is a personal account of what he visited the UCF supported agency. See article for his firsthand report.

**ECP SUPPORTS**

**Youth Group**

**As told by Veloy Johnson (4333-3)**

**The Albuquerque Boys' Club** is a bright modern colorful building near the corner of Rio Grande Blvd. and Mountain Rd. Inside I found a feeling that many times over outlines the exterior.

It had been a long time since I'd been inside a Boys' Club. Albuquerque has one of the finest facilities I've seen and has a top-ranking dedicated staff. I talked with the director, Joe Baca, and the program director, Mike Harvin -- two young graduates of the University of New Mexico -- and watched them guide about 200 boys through touch football, gymnastics, weightlifting, table tennis, and a session on the trampoline.

The boys play hard with the equipment that can only be felt by the young and vigorous. Although the program at the Boys' Club stresses athletics, it's much more than that.

For example, there was a youngster about six who would be starting first grade next fall. Mr. Baca said the boy lived with an older brother and didn't know where his parents were. When we reached the group where this boy was playing, he came over and grabbed Mr. Baca's leg in a half hug, half wrestling hold. "Count to 10," Mr. Baca said. The boy did. "He couldn't do it when he first started coming here a few weeks ago," Mr. Baca said. "He was pretty shy, too."

We watched the boy go back to the group of tumblers and perform a couple of forward flips. He felt right at home.

You can't really describe the results of a Boys' Club and the way the Boys' Club staff fills it. Mr. Baca introduced me to another boy. This one was about 14. He had started coming to the Boys' Club about two years ago to watch TV. He discovered the library and joined an art class. He also discovered he could paint. Last month the club exhibited the boy's paintings and presented him with an award. At school, the youngster's grades had improved and he had achieved recognition by painting many of the school's posters.

I watched a game of touch football. Bobby Santiago, the UCF varsity player, is a part-time member of the Boys' Club staff, and he was playing in the backfield with one of the teams. It was a fast game.

Bobby was continually urging his team on. He kept encouraging the players "Good pass," he said to one of the smaller boys. The boy's grin was so big you hardly noticed the missing teeth.

In the summer the club is open from 9 a.m. to 5 p.m. and activities are scheduled every minute of the day. The Boys' Club directed a baseball league this summer with teams participating from the city community centers, YMCA, and other recreation programs.

GIVE AND TAKE program at Albuquerque Boys' Club was approved by Sandian Larry News. Boys' Club members like the strenuous life.

**BUSY BOY WITH BASS HORN**

I learned that every dollar counts.

As told by Veloy Johnson (4333-3).

I never thought I would play a base horn in a Salvation Army band. But I did. It was fun. These dedicated people belong to a religious denomination and an organization steeped in the traditions of service.

In a way, the street corner band and its message of hope is the symbol of the Salvation Army. The organization does not have to go to great lengths to extend its help and no one in our city ever feels alone.

The afternoon I visited the Salvation Army, Mr. Elmer Yardley, the Commander of the Albuquerque Salvation Army, is one of the busiest men I've ever seen. He took time out to show us around the new Salvation Army facilities and tell us about the work of the organization. I watched him work with a group of boys and give instructions to play a horn. That's where I sat in with the band.

He deals daily with the problems of race relations. His own attitude sets a fine example. The group was working well together in an atmosphere of friendliness and respect.

"Yes, I'm busy," Capt. Yardley said, "but I've found that if you keep busy, you don't have time to worry about yourself or your problems. Isn't this the first requirement of happiness?"

Religion is a significant part of the Salvation Army. Capt. Yardley conducts services several times a week for persons of all faiths. He feels that social problems would be eased if people were at peace with themselves.

One little boy who is being helped by the Salvation Army said, "I don't throw rocks and break windows anymore." He meant it. Salvation Army charity, more than just doling out subsistence helps, aims to get the needy person in a position to help himself, to restore his pride, and to make him productive.

The Salvation Army exists for this purpose. It was a worthwhile experience to see the organization's work and a privilege to help support it through ECP.
For Sale

**Sandia Gun Club To Help Hunters Sight-in Rifles**

The first of a series of sight-in sheets to be sponsored by the Sandia Gun Club will be held Sunday, Aug. 19, from 3 to 5 p.m., in the Chilean Andes.

In addition to hunting safety, the club will offer hunters the opportunity to fine-tune their sights with rifles, hand guns, or shotguns.

**Flag Football Kickoff Will Be August 25; Season Ends Nov. 3**

Flag Football begins Saturday, Aug. 25. For the six teams of the Sandia Lab Football Association, according to St. Louis News (3121), newly-elected league president Joe A. Abbott (4242), all games will be played on Saturdays beginning at 8:30 a.m. and 10:45 a.m. The championship will be decided in two rounds: the first scheduled from Aug. 25 through Sept. 29, and the deciding round Oct. 6 through Nov. 3.

**Welcome Newcomers**

July 30-Aug. 15

**Sandia Shopping Center**

**For Shopping Center Ads**

Friday, Aug. 24

**Sandia Gun Club**

 Deadline: Friday noon prior to publication unless changed by holiday.

**Next Deadline**

**Sandia Shopping Center Ads**

Friday, Aug. 24
**What Do You Know About Your Government?**

You can have fun with this quiz. Try it on yourself, your family, friends. This is the first of three parts.

1. Our form of government is a democracy based solely on the principle of majority rule — that what the majority want they are entitled to have.
2. The "electorate" consists of all those who have the right to vote.
3. Knowledge of the political process is interesting, but of little value to the individual citizen.
4. Economic, moral, and social changes are so rapid that even the interested citizen can do little about good government and honest politics.
5. The growth of government protects the individual, so personal freedoms are not affected.
6. Political parties are provided for in the Constitution.
7. Lobbyists perform no useful function in Washington.
8. Independent regulatory commissions of the Federal Government answer to the President.
9. About two-thirds of the eligible voters do not vote in primary elections.
10. A President can be removed from office if the House impeaches him and a majority of the Senate finds him guilty.
11. "Judicial Review" is an unqualified usurpation of power by the Supreme Court.
12. Election laws are passed by the individual states.
13. The political party official closest to the voter is a Precinct Commissioner.
14. Decisions of the state supreme courts must be reviewed by the United States Supreme Court.
15. The Constitution may be amended by a majority vote of the people in a general referendum.
16. The powers not delegated to the United States by the Constitution, nor prohibited by it to the states, are reserved to the states respectively, or to the people.
17. No person may become the President of the United States who has not been a resident within the United States for 14 years.
18. The Supreme Court has the right to pick and choose all cases that come before it.
19. A Presidential veto may be overridden by majority vote of the justices of the Supreme Court.
20. Representatives are elected for three-year terms; Senators for six years.
21. The boundaries of Congressional Districts are set by the House of Representatives.

**Answers at bottom of this page.**

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**Service Awards**

**15 Year Pins**

C. M. Johnson
Aug. 31, 1947

A. E. Elling
Aug. 18, 1947

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**Solter’s Rabbit - Some Sort of First For Jerry Mayes**

"Rabbits" and "terriers" are commonplace golfing terms, but Jerry Mayes (3011) drew surprised looks from smiling partners when she said she "got a rabbit" during a recent practice session. It was true. During the lunch hour, Jerry caddyed a partner's driver-driven ball balls on the mesa alongside Avis V, and she really did hit a rabbit.

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**Safety Record Set Back As Employee Tumbles**

Sandia Laboratory’s safety record fell recently when an employee slipped and fell on a tile floor. A secretary rose from her desk to answer another phone in the office. As she stepped into the aisle, she slipped and struck her forehead as she fell.

A nurse was called and the employee was taken to Medical Department 2239 where she was treated and sent home. After two days of convalescing, the employee recovered and returned to work.

At the time of this accident, the Lab’s safety record stood at 210,000 employee-hours at six days without a disabling injury. Employees have suffered 13 lost-time accidents since the first of the year.

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**Make Want to Sure**

"This is done for a very real purpose," Mr. Bricker says. "We want to make sure that when the tester and the manual arrive in the field they can be used. By going in field, so to speak, we can see if there are any bugs in the tester or manual. If any questions or discrepancies show up, they are resolved at the time by the responsible officers of the EQ. Many times the EQ recommends changes that make the tester easier to use with its instructions or perhaps simpler to calibrate."

"In fact, "some 100 testers have gone through EQ. The equipment that this tester can be calibrated and operated when it arrives in the field."

When the PT is designed or fabricated by a supplier under a Sandia contract, the tester may be shipped to Sandia for the EQ to study or a team may go to the supplier’s plant to perform the evaluation.

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**Research Colloquium Schedules Speakers For August Program**

Sandia Laboratory Research Colloquium schedule for the balance of August features talks by Prof. Walter Gordy of Duke University and Dr. Elizabeth Wood of Bell Telephone Laboratories.

Professor Gordy will speak Aug. 22 on "Ferroelectric Materials - Properties of Barium Titanate." The Division is also planning to have Dr. E. A. Seay speak Aug. 29 on "Ferroelectrics." For appointment contact R. T. Mayer (5150) at ext. 5614.

Dr. Wood is a Staff member in the Physics of Solid States Division at Murray Hall, N. J. She will speak Aug. 29 on "Surface Crystallography Using Low Energy Electron Diffraction*" and Aug. 31 on *"History of Ferroelectrics." For appointment contact J. B. Bronshtein (8414) at ext. 4258.

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**Touchy Task Qualifying PT’s -- They Must Be Better Than Best**

The production tester is an indispensable item in the nuclear weapons program. This equipment is used to check performance of weapon components during manufacture. Components have to be the best and the tester has to be even better.

The story of production tester (PT) design and the 2460 organization has been told in past issues of the Lab News. Another Sandia Lab organization plays an important role before the PT is released to the user.

Inspection Control Division 2343 headed by Ken E. Bricker puts the first fabricated model of any PT design through its paces before release. It is the responsible for technical adequacy, compatibility, and performance of test: hardware, and procedures.

An EQ (for equipment qualification) group is formed for each completed PT design. Members of the group are going to have supervision from the responsible officer of the EQ. The PT designer, the EQ representative, the manual writer will see the tester, it is calibrated and used to test an actual component. At the same time, instruction manuals are read step by step and the operations performed. Any problems of the EQ have seen the tester or the instructions before.

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**About Your Government?**

**Quiz Answers**


*False, because there are some cases the Supreme Court is obliged to hear, such as when a state’s highest court has ruled an act of Congress unconstitutional, or where a lower court has held a state law invalid.*

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**Sandia’s Safety Record**

**Sandia Laboratory**

HAS WORKED
210,000 MAN HOURS
OR 6 DAYS
WITHOUT A
DISABLED INJURY

**Livermore Laboratory**

HAS WORKED
282,000 MAN HOURS
OR 54 DAYS
WITHOUT A
DISABLED INJURY