

ENGINEERS WEEK Feb. 21-27 is symbolized above by the large "E" formed by representatives of 19 technical and scientific societies in the Albuquerque area. See accompanying article for complete identification of the societies and their representatives.

Your Opinions on Education Are Wanted—They May Be Worth \$25 U. S. Bond

If your idea of fun is arguing the pros and cons of how reading and arithmetic should be taught in school, you are in luck!

Write down your theory in 500 words or less and enter it in the Lab News employee-written editorial contest for February. Author of the winning entry takes home a \$25 U. S. Saving Bond.

The possibilities of the topic "Education—What Kind Do We Want?" are endless. Perhaps your idea of the best way to teach the

three "R's" is emphasis on those subjects and fewer general courses. Others may believe that a broad educational background is the preferable type. Maybe you have specific ideas on how science subjects should be taught and when instruction in these subjects should be started. Or maybe you believe there should be heavy emphasis in the teaching of Russian or Chinese.

Whatever your theory, it will receive consideration. The con-

test is open to all employees below the level of department manager, except those in the Public Relations Division.

Deadline for the education editorial entries is Mar. 1. Please mail or bring your entry to the Lab News office in Bldg. 829. Include your name, organization and office telephone extension at the top of the first page. The winning editorial in this category will appear in the March 18 issue of the Lab News.

Sandia Corporation LAB NEWS

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SANDIA'S 300 ft. DROP TOWER in Area III was one of the environmental test facilities visited during the Edison Day Tour on February 11. Three of the 115 students and teacher visitors are pictured here with (top) W. H. Cross (1615-1), Area III tour lecturer.

More Than Thousand Employees Study In Sandia's Out-of-Hours Classes

Sandia Corporation employees attending out-of-hours courses for the spring semester total 1066, General Training and Education Division 3132 has announced.

This includes 637 employees attending noon hour classes and 429 in the Vocational Trades, or evening classes. A further breakdown of the 637 figure shows that 526 employees are taking staff-technical courses, and 111, clerical subjects.

Six classes were cancelled due to low enrollment. These are Electronics 5 Lab, Electronics Instruments Lecture and Lab, Blueprint Reading (Building Trades), First Aid and Practical English.

Enrollment was so large in several subjects that additional classes were set up.

This spring more classes were offered than ever before with the purpose of helping each employee develop himself to the limit of his ability.

Committee Plans Activities to Call Attention to Nat'l Engineers' Week

Participating in Engineers' Week activities Feb. 21-27 will be many Sandia Corporation employees. They will help focus attention on the role of the engineer in society and his vital function in furthering technical progress, public welfare and safety.

Sponsored by the National Society of Professional Engineers, National Engineers' Week is bolstered in the state by the New Mexico Council of Scientific and Technical Societies. Locally 19 associations will participate.

A speakers bureau, displays, posters and special events are planned by the participating organizations. Augmenting these activities is a committee appointed

by Sandia Corporation to provide support with Corporation facilities and personnel.

Heading the Corporation committee is John Leslie of Community Relations Section 3431-2. Members include Gene Copeland (1611), A. B. Metzger (3210), L. E. Bothell (1613), Bill Johnson (1613), Bill Puder (2631), E. K. Gardner (2541) and A. M. Hill (1313).

Other committee members are T. S. Marker (1520), T. S. Church (1410), H. C. Biggs, (1650), D. S. Bliss (1624), H. H. Pastorius (4540), A. B. Metzger (3210), L. E. Bothell (1613), Bill Johnson (1613), Bill Puder (2631), E. K. Gardner (2541) and A. M. Hill (1313).

Technical, Scientific Societies Help Sponsor National Engineers' Week

Nineteen local chapters of technical and scientific societies are helping promote activities of Engineers Week Feb. 21-27. All of the organizations are represented by employees of Sandia Laboratory who are either officers or members of the societies.

They are as follows:

ASME—American Society of Mechanical Engineers, E. K. Gardner (2541).

ASM—American Society for Metals, F. R. Sweet (1621).

ECPD—Engineers Council for Professional Development, L. E. Bothell (1613).

SPIE—Society of Photographic Instrumentation Engineers, J. S. Keller (5254).

AOA—American Ordnance Association, A. M. Fine (1261).

ISA—Instrument Society of America, R. A. Richards (1542).

ASQC—American Society for Quality Control, W. E. Boyes (1440).

AIEE—American Institute of Electrical Engineers, R. G. Hamilton (1613).

IAS—Institute of Aeronautical Sciences, W. H. Curry (5144).

AMS—American Meteorological Society, B. N. Charles (5121).

SNT—Society for Nondestructive Testing, D. W. Ballard (2541).

AIIE—American Institute of Industrial Engineers, G. W. Chandler (2555).

IRE—Institute of Radio Engineers, R. C. Spence (5223).

STWE—Society of Technical Writers and Editors, W. H. Puder (2631).

ASSE—American Society of

Safety Engineers, O. W. Graham (3211).

NMSPE—New Mexico Society of Professional Engineers, M. G. Young (5523).

ASTE—American Society of Tool Engineers, J. F. Hammerstran (2552).

CTSS—(New Mexico) Council of Technical and Scientific Societies, E. H. Copeland (1611).

AWS—American Welding Society, V. G. Nelson (1621).



ASSEMBLED in Bldg. 815 just prior to embarking on a tour of Sandia's scientific facilities are the 115 teachers and outstanding science and math students from all of Albuquerque's secondary schools, who visited the Lab on February 11, for the fourth annual AEC-requested Edison Day tour.

AEC Lets Contract For Medical Facilities In Tech Area III

Cillessen Brothers Contractors, Inc., of Albuquerque was awarded a contract by the AEC recently for installation of a medical first aid station in Bldg. 6501 in Sandia's Area III.

Approximately 450 sq. ft. of new storage space will also be added to the metal building currently used as a warehouse and maintenance building.

Amount of the contract was \$14,500.

Plant Engineering Department project engineer is V. E. Kerr (4543-3).

400 Employees Using Educational Aids Plan To Further Education

Enrollment in Sandia's Educational Aids program for spring semester is expected to be around 400. W. H. Bailey of the Staff Training and Education Section reports.

At the present time 383 Corporation employees are enrolled in the program, which provides half tuition payment for an employee who successfully completes a job-related course at an accredited university.

The number is expected to increase as applications come in from Livermore Laboratory and other sites.

Graduate students among Sandians number 229 and 154 are taking undergraduate courses.

Electrical engineering is the most popular field of study with 85 graduate students and 63 undergraduates enrolled. Mechanical engineering ranks second with 47 graduates and 12 undergraduates. Other sciences have attracted 34 graduate students and 23 undergraduates.

Enrolled in business administration and liberal arts courses are 47 graduate students and 36 undergraduates. Sixteen graduate students and 20 undergraduates have signed up for non-degree work.

Science Students From Grants See Sandia Laboratory

Science students from Grants High School spent last Tuesday touring Sandia Laboratory facilities.

The group of 25 students and teachers visited chemistry facilities in Bldg. 830 and the Van de Graaff accelerator in Bldg. 803 during the morning. The afternoon was occupied with a tour of several of the environmental test facilities in Area III. The tour was coordinated by the Public Relations Division, 3431.



WINNER OF THE CURRENT Lab News employee-written editorial contest is Clark Read (4622). His views on the subject "Let's Face Communism Sensibly" were judged the best and Mr. Read received a \$25 United States Savings Bond as his prize.

Let's Face Communism Sensibly

The following editorial written by C. D. Read (4622) presents his views on how Americans should face Communism.

To face Communism sensibly (if such is possible) we must first know what Communism is and how it has operated over the past fifty years. Briefly, "The ideology of Communism is applied Godless materialism." (Schwarz) This means in terms of Marx's dialectical materialism "There is no God." At one and the same time they deny God, virtue, moral law, absolute standards of truth and our civilized code of moral and ethical values.

Let's get to the facts by taking Communism apart piece by piece to get at the intentions, tricks and its internal mechanics. We should read and study and teach Communist history and programs as operated in the enslaved countries of Europe. Only by knowing the deception carried out by strong action, deceptive writing and boastful talk can we face a skillful, clever conspiracy to conquer us. America's liberty didn't happen by accident. Our system of government is admired the world over. Yet the dedicated Communists deliberately plot our destruction. The American people must become aware of this movement.

If we are going to be aware, what is the sensible way to face such subtle infiltration? Let us begin by doing away with fragmentary methods of telling the story of our constitutional democracy. Instead let us teach much more thoroughly to all young people the operation and theory of freedom under law. We must mobilize our knowledge of freedom, our democratic experiences and the spiritual meanings of the church and family life. All of the ideals of our western government must be taught and re-taught, dedicated and re-dedicated to uphold liberty and freedom. It essentially requires teaching Communism as pure social knowledge exposing its fearful consequences shown by the facts of history. The facts of democratic liberty and peace must be compared with the diabolical paradoxes of Communistic regimentation of mind and body.

They think Communistic materialism is scientific, so they assume an air of superiority. Communism spreads this pseudo superiority by promising youth great things: security, belonging to the elite and rising intellectually above all others. Young students fall for this notion easily. Then a few converts are disciplined to lead the party as standard bearers; others remain the intellectuals steeped in delusion. Going further they appeal to the underprivileged and ignorant peoples with no means of making objective comparisons between genuine freedom and their false promises. The democracies can stem this tidal wave of slavery by getting to the underprivileged first, but the students and youth must be reached by logical demonstrations of freedom and proof that we live and let live.

Now to sum up ideas for sensibly facing Communism: first, show our people all sides of the ideology so that they obtain a good knowledge of what it is and does; second, educate our young people more thoroughly in constitutional government in contrast to their amoral system of socialism; third, inoculate a dedicated determination to defend our liberty and the institutions of democracy at any sacrifice; fourth, demonstrate to the world our peaceful intentions in our way of life and free enterprises; and fifth, show enough strength to back up our belief in human values of high moral standards, truth and morality.

SC Insignia Meets Maker

Clyde Walker (8123), who will receive his 10 year service pin this month, will have his cake and eat it too. Four years ago he won a U.S. Savings Bond in an employee contest for designing the official Sandia service emblem—the Thunderbird insignia.

Square Dance Class Starting

Dick Siebenforcher (4152-2) will instruct a weekly square dance class at the Sandia Base Officers Club beginning Mar. 3. Enrollees need not be a member of the club and no charge will be made for the class. Interested Sandians may call Dick, ext. 32144.

New Home Owners

Several employees in department 4250 have moved into new homes. Roger H. Johnson (4252-5) is now living at 10121 Toltex Road NE; H. C. Phillips (4254-1) has moved to 1020 Morris St. NE, and Cliff Shaw (4252-4) is settled at 10601 San Jacinto NE.

Another new home owner is Mark Forster (4221-2), who has moved to 3409 Inca St. NE.

New homes are also a main topic of conversation among employees in 3121. Joy (3121) and Bill Seaburn (4251-2) have moved to 706 San Pablo NE, Glenda Edwards (3121-2) and her husband Tip are settled at 1447 Richmond NE, and Helen Kluver (3121-3) and her husband Wes are in their new home at 1200 Valencia Dr. NE.

Philip A. Gelt (1424-3) has moved into a new home at 10919 Fairbanks NE.

New home owners in 4250 are Eldon Cook (4251-1) and his family who are now living at 446 Mankin St. NE, and Jake Gonzales (4254-2) and his family at 8508 Roma NE.

Don Dawson (4251-1) and his family recently moved into their new home at 502 Carlisle SE.

John Hertweck (4573-3) and his family have moved into a new home at 1616 Parsifal NE.

Mr. and Mrs. D. M. Olson (1263), recently moved into their new home at 10309 San Jacinto NE.



JOHN "ROCKY" ROACH (8234-2) helped obtain aid for victims of an automobile accident near Livermore recently when he used the radio in his government vehicle to request aid. The message was relayed to the highway patrol by Ted Sassel (8222-2), of the motor pool.

Sympathy

To E. M. Hopkins (4233-1) for the death of his mother in Pomona, Calif., Jan. 28.

To Edito Trujillo (4574) for the death of his father in Truth or Consequences, Jan. 27.

To Pablo Baca (4574) for the death of his mother in Santa Rosa, Feb. 3.

To Helen Allen (3462-3) for the death of her father in Albuquerque, Jan. 18.

To Norma Boothe (3421-3) for the death of her husband in Albuquerque, Feb. 6.

To Jacob Castillo (2643-2) for the death of his mother in Albuquerque, Jan. 22.

To Trudy Geary (8232-2) for the death of her mother in Boston, Jan. 23.

To Gordon B. Ross (3121-1) for the death of his father in Livonia, Mich., recently.

To James R. Hollon (4513) for the death of his father in El Paso, Tex., Feb. 9.

To Jacob Castillo (2643-2) for the death of his mother in Casa Colorado, N. Mex., on Jan. 22.

To A. B. Elliott (4232-3) for the death of his father in Dallas, Tex., Feb. 6.

To Donovan B. Dawson (4251-1) for the death of his mother in Detroit, Mich., Feb. 10.

To Jesse W. Williams (4254-2) for the death of his father-in-law in LaCrosse, Kan., Feb. 6.

To Bernice Duke (4131) for the death of her mother in Alamogordo, Feb. 3.

To Silvario J. Armijo (4574) for the death of his mother in Albuquerque, Feb. 15.

To T. E. Zudick (3431) for the death of his mother in New York City, Feb. 13.

Livermore Goes Native

The Reproduction, Records and Communications Division (8232), Livermore Laboratory, took on a Hawaiian cast recently when the girls in the group decked themselves out in leis.

The flowery necklaces, made of orchids, tube roses, and "poor Mary's," were distributed by Eddie Berry (8232-1) whose neighbor in Walnut Creek, Calif., flew them back from Hawaii. The 16 leis were gifts of the neighbor's 16 children and grandchildren in Hawaii.

Welcome Back

Members of Division 5125 welcome back Laurene Dubuque, Ann McIntyre and Sylvia Weinberg after extended illnesses.

Also back at work after a lengthy illness is E. J. Smith (4211).

Margaret Earnheart (4135-2) was welcomed back to work this week after an extended illness.

Livermore Home Owners

Carolyn (8231-2) and Jim Kersey (8123-1) moved into their new home at 277 Charles Ave., Livermore, recently.

Sondra Hunter (8212-3) and her family recently moved into their new home at 845 Resota St., Hayward.

Another new home owner is Frank Petrini, whose new address is 1214 Via Granada.

Another new home owner at Livermore is Gerald McNutt (8152-2), who moved his family (including their infant son) into a home at 1180 Via Granada.

Other new home owners in Livermore are A. J. Derby (8211-2) who moved into 804 Jefferson Ave., and Hal Watson (8212-1) and his family who live at 786 Mariposa St.

Don Lloyd (8143-1) has moved into his new home at 4263 Pomona Way, Livermore. A new neighbor of his is Paul Rowe (8143), who moved his family into 4229 Pomona Way. Alan Skinrod (also 8143) has moved into his new home at 494 Pomona Court and Lou Withers of the same organization has set up residence at 4147 Pomona Way.

Weddings and Engagements

Patsy Scrimshire was married to Bob Humble last Friday in a ceremony at First Methodist Church. After a honeymoon in Mexico the couple will be at home in Albuquerque.

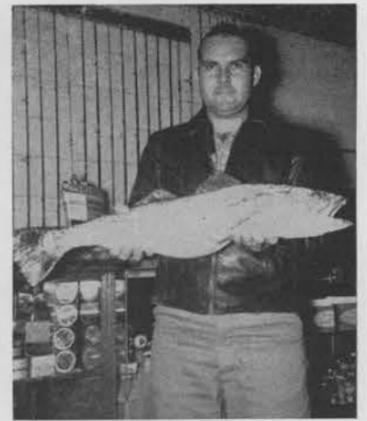
Patsy, who works in Department 6010, has been with the Corporation since last July.



Mrs. Humble Miss Layton

Elaine Layton (1232) and J. Barron Rice of Albuquerque plan to be married Feb. 20. The wedding will be held at the Immanuel Presbyterian Church at 3 p.m.

Elaine has worked for Sandia for the past year and a half.



CHAMPION FISHERMAN Bill Arnold (5354-2) displays an 8½ pound Weakfish, otherwise known as Sea Trout, caught in a canal at Cocoa Beach, Fla., four blocks from his home. Cocoa is "the Salt Water Trout capital of the world," according to their Chamber of Commerce, but such a large specimen is rare, even there. Field and Stream magazine issues a special button to fishermen for all such trout weighing 6 pounds or more. Bill used a spinner with triple hook, baited with live shrimp on a 10-pound test line.

Get Well Wishes

Wishes for a speedy recovery are extended to R. F. Shattuck (4254-2), who is convalescing at home after recent surgery.

Get well wishes also are sent to Frank Dain (4211), who has been ill for some time.

Kimball Prince to Surgery

From New Jersey comes word that Kimball Prince, former General Attorney for Sandia Corporation, recently underwent an emergency appendectomy. He is reported making a fine recovery.

Mr. Prince is now General Attorney for Bell Telephone Laboratories, Inc.



Judy Bryant (8212-3)

Take a Memo, Please

Leaving loose tools on equipment is an unsafe practice that should be avoided. When tools are not being used, they should be stored in their proper place.

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Livermore's Spring Recruiting Starts During Engineers' Week

Engineers' Week Feb. 21-27, proclaimed by President Eisenhower to honor the nation's engineering profession and America's future engineers, coincides with the launching of Livermore Laboratory's spring college recruiting drive.

During the remaining months of the spring semester Livermore recruiters will visit six schools in four states to hire engineers for work in mechanical and electrical engineering areas in the Laboratory, to fill jobs created by normal turnover.

Coordinating the drive is Livermore college recruiter Hal Watson (8212-1). He is one of eight recruiters who will visit campuses at Cal Tech, the University of California at Berkeley, Oregon State, University of Idaho, Washington State and the University of Washington.

On recruiting trips Hal joins a Bell System recruiting team made up of representatives from telephone operating companies, Bell Telephone Laboratories and the Western Electric Company.

Indicate Preference

The Sandia representative interviews students who have indicated their preference for working for his company. The students also list, in descending order, other Bell System companies they prefer, Hal said.

During the recruiting drive last year, according to Hal, 129 students indicated an interest in working for Sandia, Livermore Laboratory. Of this number 80 were invited for interviews at their schools, 63 were interviewed, 50 were offered jobs, and 30 accepted.

Prime concern of the recruiters is to place the student in the Bell System company he would find compatible with his interests, Hal said.

"We try to consider the student's interests first and the company's interest next," he explained, "since we wouldn't keep him very long if he found he didn't enjoy the work."

"About 60 per cent of those offered jobs at Sandia accept the offer," Hal said.

Students must meet relatively high standards to qualify for positions at Sandia. Those selected are usually in the upper quarter of their class and many are in the top 10 per cent.

Difficult Job

Because of the classified nature of Sandia's operations it is sometimes difficult to spell out the details of the job to a prospective employee, but the problem is not insurmountable.

"We get across pretty well the idea that work at Sandia covers a broad field, offering the individual engineer more challenge and more responsibility than he might find with a commercial firm. In fact," Hal said, "the engineering freedom offered by Sandia seems to be the chief factor in interesting a candidate to work for us."

Other considerations, in the order of their importance, seem to be the geographical location and climate at Livermore and the benefits program offered by the Corporation.

"Although we pay salaries on a par with companies similar to ours, this does not appear to be a major influence in interesting engineers in Sandia. The type of work and location still seem to be the most important," Hal said.

Recruiters try to be as specific as possible about the work of the laboratory, but occasionally the message doesn't get through. Hal talked to one candidate for two hours, explaining Sandia's work in the weapons program. At the conclusion of the interview the candidate requested a job in orbital vehicle engineering, assuming that Sandia was in the missile business.



CANDIDATE for an engineering job at Livermore Laboratory is interviewed by Hal Watson (8212-1) of college recruiting team.

Charles R. Cundiff Promoted To Rank of Rear Admiral

When Charles R. Cundiff (5332) put on his first Ensign's uniform 25 years ago, he thought the half inch stripe on his sleeve looked pretty impressive.

Just recently there was added to his sleeve the four-inch stripe signifying a Rear Admiral's rank.

A member of the 1933 U. S. Naval Academy class, he was promoted to Rear Admiral, USNR, retired, last October after being in the Naval Reserve for 25 years, with active duty for 15 years.

His first active duty was in 1939 as an Engineering Officer on the USS Yorktown. He became Chief Engineer of the Copahoe when the Yorktown was sunk in the Battle of Midway, and held that same position on the Bennington through 1944.

During Operation Crossroads in 1946-47, Admiral Cundiff served on the staff of the Director of Ships Material for the Able and Baker atomic shots at Bikini Atoll.

He then went off sea duty for several years, first going to Washington, D.C., to edit and publish engineering textbooks. His next assignment was in administrative work for the Third and Sixth Naval District Headquarters, respectively, before returning to a ship.

After serving as Chief Engineer and Damage Control Officer on



Rear Admiral Charles R. Cundiff

the USS Wasp, Admiral Cundiff became Inspector of Naval Machinery in 1953.

After leaving the Naval Academy, he attended Johns Hopkins University and received a BS degree in Mechanical Engineering from George Washington University in 1936.

At Sandia he has been a field service engineer for five years.

Livermore Basketball Team in First Place Tie As Round Ends

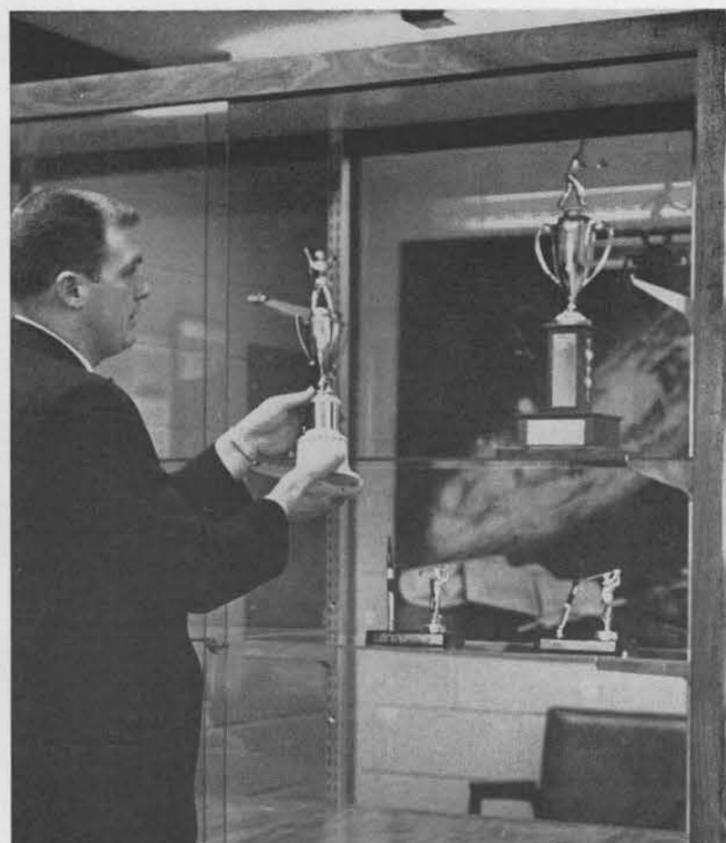
The Livermore Laboratory Employees Basketball Team has completed the first round of its current series, tied for first place with the Livermore Recreation Players, according to Mike Ferrario (8114-1), team captain.

The next three games on the team's schedule are: Feb. 20, Livermore Teachers; Mar. 2, Radiation Lab Recreation Association; and Mar. 9, the Livermore Recreation Players.

Ping Pong Tourney Scheduled for Women

Entries are now being accepted for the first Sandia Laboratory women's ping pong singles tournament which will be held Mar. 7 through 11. Women interested in participating should call George Banos (3122), ext. 29157 by Mar. 1.

The single-elimination contest will be held in the northwest bay of Bldg. 892 during noon hours. Trophies will be awarded to the winner and runner-up.



A CASE of sports trophies has been installed in the lobby of Livermore Laboratory's Administration Building. Placing trophies in the new case is Jack Bonetti, Employee Services (8212-2).

Sandia Players to Present Russian Comedy Tonight at Little Theater

Crawford MacCallum (5150) will play the leading role of Smirnov in the Sandia Players' presentation of "The Boor" by Anton Chekov tonight at 8:30 p.m. in the Base Little Theater.

This one-act comedy, a brief Russian "Taming of the Shrew," is under the direction of Crawford's wife, Cather, who will also co-star as Helen Iovovna Popova, a young widow.

The MacCallums were active in theater work in Ithaca, N. Y., before coming to Sandia. Since joining the Sandia Players, Crawford has appeared as a dancer in "Inventions in Black and White," a dance concert, and as an actor in "Summer and Smoke."

Sandia personnel and their families are invited to attend tonight's free performance.

According to Phyllis Schatz (wife of Joe Schatz, 5126), president of the group, the next production will be "The Pajama Game" on March 18 and 19 at 8:30 p.m. and March 20 at 2 p.m.

Margaret Reese (3364) has been cast as Mae, a zany comedienne,

and Ervin Wolfe, (2715) will make his debut in the role of "Pop." Angel Troy (wife of Walter Troy, 3432) will be in charge of costumes and Sue Troy, their daughter, will provide music accompaniment.

Admission for "Pajama Game" is 75 cents. Reservations are available by calling the Little Theater, ext. 52223.

Tom Marshall Leads Scout Troop to High Kit Carson Honors

Boy Scout Troop 9 under Scoutmaster Tom Marshall (5222) recently was awarded high honors for work performed during the past year. The Kit Carson Sesquicentennial Award was presented to the troop for advancement in scouting and for meeting new scout goals.

W. C. McKinley (5534) is merit badge counselor for the troop and J. F. Reid (4543) is committee chairman.

1960 Engineers' Week Looks at Challenge of Next 10 Years

reactors

- Supersonic aircraft flight
- Jet powered air transports
- Discovery of radio emission from hydrogen in space
- Discovery of Van Allen Radiation Belt
- Overthrow of the parity principle in basic physics
- The Bevatron
- The transistor
- The whole family of acrylic and polyester synthetic fibers
- Who could have foreseen such achievements?

The new decade we are now entering has the advantages of scientific and technological impetus gained by significant breakthroughs of the 1950's.

Ten years from now it is entirely probable that we shall be listing revolutionary accomplishments in the fields of control and use of thermonuclear fusion. There is little doubt that man will go into space and return safely sometime during that 10 years.

Production and assembly lines will be automated and electronic computers with the ability to "think" on the level with our best human brains will most likely be produced.

There will probably be direct dial telephoning to any part of the world. Solar energy power plants will be located in tropical regions, wafer-thin TV screens will receive broadcasts from an assortment of world channels.

President Dwight D. Eisenhower has pointed out that man's undertakings in the future call for unprecedented requirements for excellence, high performance and public service. Without them America cannot grow in scientific achievement.

Engineers' Week in 1970 may well find scientific writers chronicling events we do not dream of today.

More scientific progress was made in the past 10 years than in all previous history of mankind. Ten years from today we should be able to say the same thing.



NEW MEXICO'S Easter Seal Child for 1960 is Mary Lou Mickey, shown with her father Thomas Mickey. Her picture will appear on posters and pamphlets during Easter Seal sales, Mar. 17-Apr. 17.

Thomas Mickey's Daughter Selected As State's 1960 Easter Seal Child

Mary Lou Mickey, daughter of Thomas Mickey (4221), is New Mexico's Easter Child for 1960.

Five-year-old Mary Lou, who was born with cerebral palsy, will be the official representative of the New Mexico Society for Crippled Children and Adults during their campaign Mar. 17 through Apr. 17.

As a participant in the Sandia Laboratory Employees Contribu-

Airport Porters Ignore Last Minute Arrival Of Desperate Sandians

Ingenious and persistent describe the recent tactics of two Sandians in reaching their destination.

J. H. Scott (5232) and C. F. Quate, Director of Research, were scheduled to catch a plane. They worked until shortly before departure time for the flight, then were picked up by a commercial taxi for the drive to the airport.

Just after turning left at the intersection of Gibson and Yale the taxi had a flat tire. The time was growing shorter and shorter. Five minutes passed. Finally they hailed a passing vehicle and climbed in. The porters at the airport didn't even offer to carry their bags as the two Sandians hopped out of the city garbage disposal truck, in time to dash to their waiting plane.

Sick List

Co-workers of Jean Iverson (8233-1), extend their best wishes for a speedy recovery.

Wishes for a quick recovery are also extended to C. D. Crawley (8222-1), who was recently hospitalized.

Another Sandian on the sick list is Betty Dietrich (8212-3), who is expected to be off work for the next four weeks.

Get well wishes are also extended to A. M. Fellows (3121-1) and John P. Mitchell (3121-2), who have been ill.

Ski on Mt. Shasta

Members of the Sandia Ski Club at Livermore plan to spend the three-day Washington's Birthday holiday skiing on the slopes of Mt. Shasta Feb. 20-22.

Boxer Show

New Mexico Boxer Club will hold a dog show Sunday, Feb. 28, at Safety John's, 330 Washington SE. All persons interested in showing their dogs in this fun match are invited. For further information contact D. L. Edens (2752-1), AL 6-7653.

tion Plan, the Society will receive approximately \$5300.

This year Easter Seals will be handled by door-to-door sales. Although a solicitor may call at the home of a Sandia employee who is a member of the ECP, it will be only to offer him Easter Seals for his use.

Through the New Mexico Rehabilitation Center, operated by the Society, all types of crippling diseases are treated. The Society's program includes therapy, medical service, counseling, crutch and wheelchair loan service, education and a two-week summer camp.

Congratulations

Born to:

Mr. and Mrs. Gerald Williams (3462-3) a daughter, Cheryl Ann, on Jan. 21.

Mr. and Mrs. M. L. Richardson (5216) a daughter, Gail Ann, on Feb. 4.

Mr. and Mrs. John Campbell (4411-6) a daughter, Vicki Ann, on Feb. 4.

Mr. and Mrs. Ray Leri (8114-5) a daughter, Diane Ruth, on Feb. 4.

Mr. and Mrs. Robert Crow (8212-4) a son on Feb. 5.

Mr. and Mrs. James A. Van Meter (8114-4) a son, Timothy Lee, on Feb. 5.

Mr. and Mrs. Victor Pappas (3121-1) a son, Jeff, on Feb. 5. Joan formerly worked in 3162.

Mr. and Mrs. L. N. Schofield (5112) a daughter, Patricia Marie, on Feb. 3.

Mr. and Mrs. William O'Trimble (4135-2) a daughter, Kristy, on Jan. 29.

Two Sandia Employees Pass CPA Examinations

Gordon Dale Jones (4171) and Sam N. Gaeto (4113-2) received word this month that they had passed the Certified Public Accountant examination.

Gordon has been at Sandia since last October. After receiving a Bachelor's degree in business administration from the University of New Mexico he worked for a year and a half in public accounting.

Sam came to work at Sandia in July 1957 after teaching business courses in high schools and with six years experience in a public accounting firm. He received both his Bachelor's and Master's degrees in business administration from the University of New Mexico.

Education and Inspection Help Keep Sandia Clean, Clean, Clean

How clean is clean? This question can be answered in varying degrees by the housewife, the restaurant waiter, or the health sanitarian. At Sandia it means clean enough by laboratory standards to prevent the outbreak of disease.

Since Sandia Laboratory is physically located on a military base, it is not inspected by the City Health Department or the State Health Department. Instead, Industrial Hygiene Chemistry Section 3361-1, under R. G. Elsbrock, has set up its own program to protect employees — a program which meets U.S. Public Health standards.

During the past year bacteria counts have been made from smears taken from drinking fountains and dispensing machines throughout the Laboratory, and from drinking glasses and eating utensils at the Coronado Club and the Club operated cafeterias in Bldg. 880 and 839. In February an education program will be started for janitors and others responsible for cleanliness.

According to Mr. Elsbrock, groups of not more than 10 persons will see movies on various phases of sanitation which are furnished by the State Public Health Service, the Albuquerque City Health Department, the Communicable Disease Association and other groups. The first employees to receive this visual education on the subject will be food handlers.

"We've had wonderful co-operation," Mr. Elsbrock said, "from the janitors working under L. S. Wilson (4574) and from the management and employees of the Coronado Club in observing good housekeeping practices. Part of our job is to increase awareness of potential dangers."

In the Sanitation Laboratory in Bldg. 833, Alexander Jack and Richard Sanchez (both 3361-1) sterilize the equipment and fill the test tubes to be used. Although small in size, this laboratory is well equipped for testing purposes and for identifying any organisms found in the samples. Any slides not positively recognized here are referred to the State Health Department for verification.

The 300 water fountains on Sandia Laboratory premises are sterilized every night by the janitors but they still receive an every-other-week inspection by Mr. Jack and Mr. Sanchez. The Coronado Club is checked once a week, both before and after the noon hour, and the water supply servicing Sandia Laboratory is also checked regularly to determine if the chlorine residual meets U.S. Public Health standards.

Supervisory Appointment

WILLIAM L. STEVENS to supervisor of Section 1264-1, Warhead Electrical Systems Division.

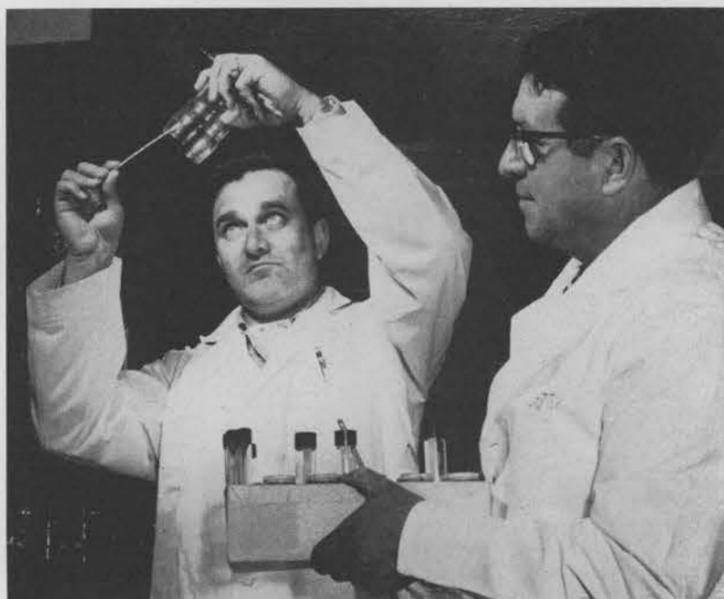


Bill has worked for the Corporation since June 1957. The first two years he was assigned to Project Division 1245.

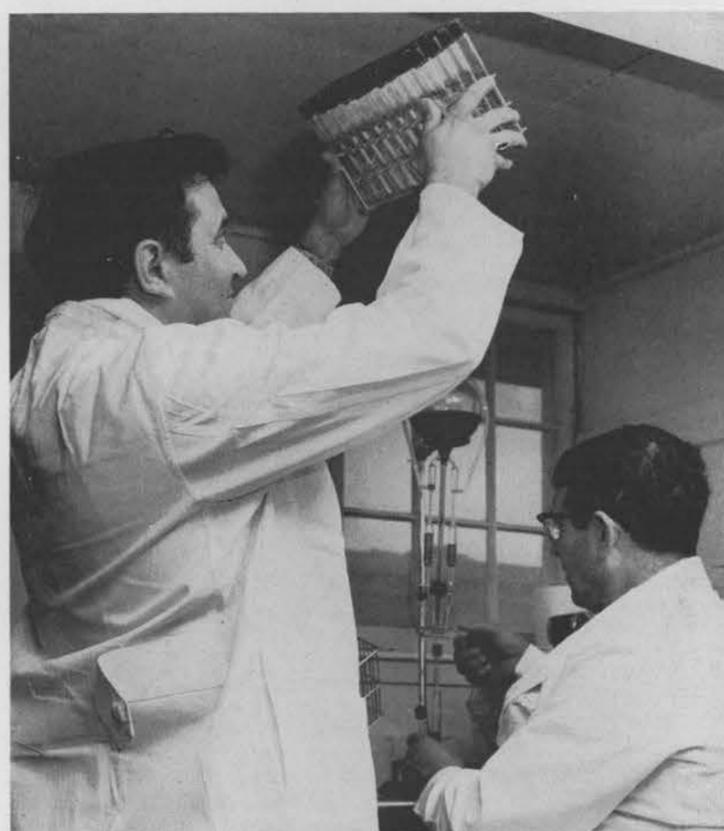
Previously he was with Esso Standard Oil for six years as a refinery engineer in their Baton Rouge, La., plant.

He graduated from Virginia Polytechnic Institute with a BS degree in electrical engineering and has nearly completed graduate work at UNM on a Master's degree in business administration.

From 1951-53 Bill served in the Army Signal Corps and was stationed mainly at Sandia Base. He is a member of Eta Kappa Nu, electrical engineering honorary, Tau Beta Pi, engineering honorary, and Phi Kappa Phi, scholastic honorary, and is a registered professional engineer in Louisiana.



SMEAR FROM BOTH inside and outside of edge of a drinking glass at the Coronado Club is taken by Alexander Jack (left) while Richard Sanchez holds containers for smears from utensils.



TEST TUBES are checked against light by Alexander Jack after 24 hour incubation period for visible signs of gas bubbles, indicating bacteria. Richard Sanchez fills tubes for additional tests.

Promotions

Sue T. Mathes (3126) to Typist Clerk
Dorothy F. Gray (3126) to Steno. Clerk
Julia J. Easley (8212) to Typist Clerk
Richard E. Holben (4412) to Draftsman
John A. Zingg (4412) to Draftsman
Dale H. Hill (4412) to Draftsman
Hugh F. Lewis (2721) to Staff Assistant
M. J. Navrtil (1246) to Staff Associate
Leo White (1321) to Staff Associate
John H. Vondreele (1332) to Staff Associate
Ottie C. Thomas (1442) to Staff Associate
Ernest D. Niper (5243) to Staff Associate
Lucille R. Trumble (3126) to Secretarial Typist
Bettye O. Libby (3126) to Secretarial Typist
Theodore K. Taylor (8225) to Utility Operator
Clarence H. Johnson (8223) to Machinist
Sondra L. Hunter (8212) to Typist
Patricia A. Wilson (8212) to Secretarial Steno.
Donald J. Gallagher (8223) to Shop Clerk
Helen W. Hakes (4151) to Accounting Clerk
John L. Miller (4361) to Staff Assistant
Vivian R. Hedman (4153) to Accounting Clerk
James A. B. Hay, Jr. (8223) to Toolkeeper
Wallace R. Mitcham (4542) to Staff Assistant
Fred J. Brown (2243) to Receiving Clerk
Alex Griego (2226) to Stock Analyst
C. E. Shinneman (8116) to Staff Assistant
Betty Lou White (2644) to Service Clerk
Alice M. Vancil (4131) to Payroll Clerk
Virginia R. Kinney (4151) to Accounting Clerk
Edward L. Amador (4212) to Report Clerk
Glady M. Comolli (4423) to Record Clerk
Rita L. Brannon (8161) to Typist Clerk
June F. Ridge (8161) to Message Center Equip. Opr.

Ada Jane Akin (1260) to Secretary
Supervisory Lateral Transfers
W. E. Henry from 2712-1 to 2723-2
C. L. Janus from 2712-2 to 2723-3
W. E. Caldes from 2730 to 2710
R. L. Schneider from 2731 to 2714
K. E. Bricker from 2732 to 2715
J. A. Mauldin from 2731-3 to 2714-3
P. D. Welker from 2731-2 to 2714-2
W. E. Rehbeck from 2731-1 to 2714-1
W. A. Rinehart from 2732-1 to 2715-1
O. D. Belden from 2732-2 to 2715-2
C. A. Wells from 2732-3 to 2715-3
R. A. Blockinger from 8161-3 to 8162-1
E. R. Helz from 8161-2 to 8161-3
J. F. Jones from 8162-2 to 8161-2
W. L. Morehouse from 8162-1 to 8162-2
C. E. Jordan from 3422-2 to 3231-2
T. B. Hanna from 3422-1 to 3231-1
E. L. Jenkins, Jr. from 5231-1 to 5234-1
C. E. Ingersoll from 5231-3 to 5234-2
H. W. Moeding from 4315 to 4314
W. B. Russell from 4314 to 4343
W. B. Ferguson from 4343 to 4315
R. W. Hale from 5251-1 to 5256-1
D. E. Henry from 5223-3 to 5232-1

H. W. MacGregor Retiring March 1 To Jemez Farm

Harold W. MacGregor, who has worked in Sandia's plastic shop (4224-2) since September 1951, will retire March 1.



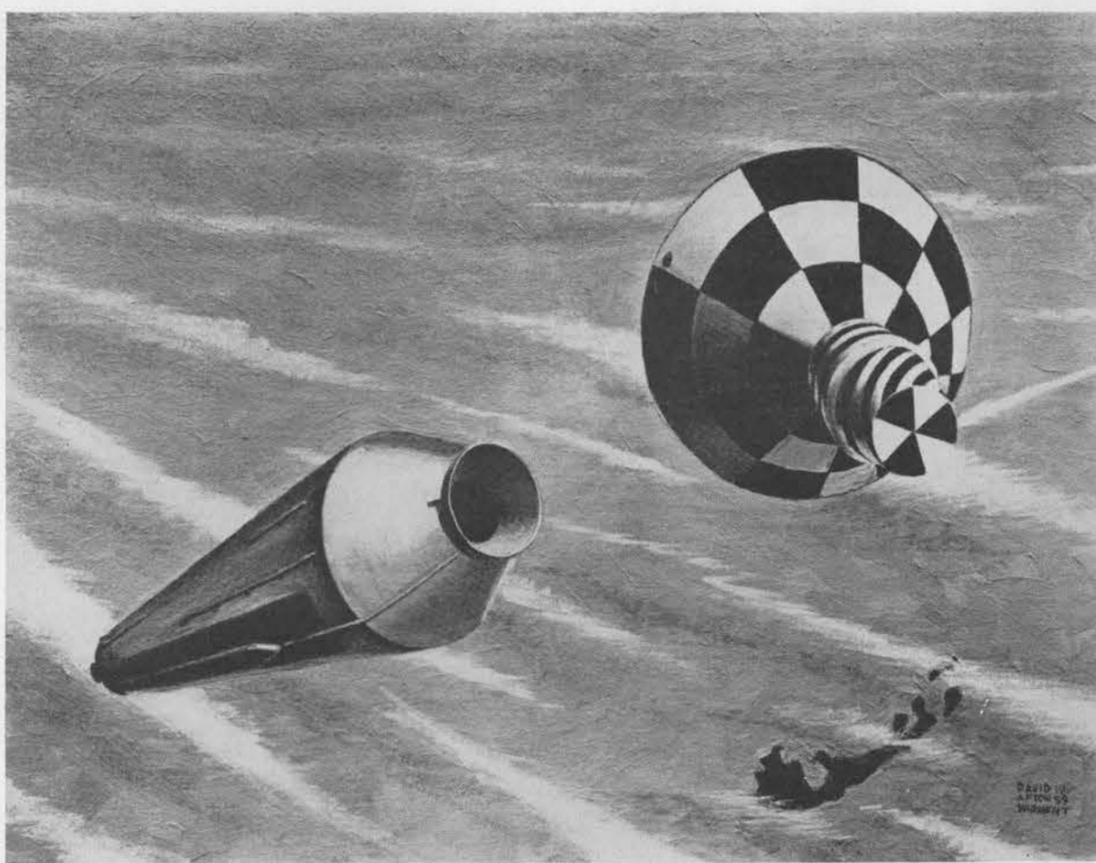
He is justly proud of his perfect attendance record during those years until last October when he was hospitalized.

Although Mr. MacGregor and his wife will remain in Albuquerque at 313 Stanford Drive SE for the time being, they plan to move in July to Ponderosa in the Jemez Mountains. They own 12 acres and have already had a garden there the past two years.

"Having been born on a farm in Vermont, I like to see things grow," he said. "We hope to raise our own beef in addition to fruit and vegetables."

Mr. MacGregor attributes his farming ability to being "50 per cent Green Mountain Yankee and 50 per cent Scotch ancestry."

The MacGregors came to Albuquerque originally in 1950 on vacation and liked "the sand in their shoes." Their two married children and four grandchildren live in Connecticut.



ARTIST'S SKETCH shows the Project Mercury space capsule, containing America's first astronaut, separating from an Atlas missile to begin its initial 90-minute orbit around the earth.

Project Mercury to Take Man Into Space, Return Him Safely

With the advent of Engineers' Week, the Lab News reports on one of the most spectacular, thrilling and meaningful ventures ever undertaken by engineers. Man's venture into space, being made possible by engineers and seven dedicated brave astronauts, is another example of engineers meeting the great challenge of the 1960's.

and being trained as astronauts will be inside the vehicle. At a predetermined moment after launching, the rockets boosting the vehicle will fall away—leaving the capsule to orbit in space at a speed of some 18,000 miles per hour.

The capsule will circle the earth in an orbit varying only

slightly in altitude, with a maximum height of about 120 miles. After three trips around the earth are completed, ground controls will direct its re-entry into the atmosphere toward a landing off the Bahamas in the Caribbean Sea.

Re-entry will be accomplished by the firing of three special "re-

Sandia Corporation is helping in the preliminary studies which will result in man traveling in space.

At Salton Sea Test Base, 37 drop tests of the proposed Project Mercury space capsule have been successfully completed with Sandia providing facilities and personnel to help instrument the tests.

Project Mercury is the name given to the United States' plan to put a man into space and then bring him back safely to earth. Under contract to the National Aeronautics and Space Administration (NASA) through Radioplane, a division of Northrop Aviation Corporation, Sandia is helping test the space capsule's landing system. Facilities at Salton Sea Test Base are being used and data reduction techniques are being provided by Test Data Department 5240.

Photographic coverage, including Askania, theodolite and documentary work has been provided for the tests. Sandia's ME-16 tracking telescopes have been used. Personnel of Field Operations Division 5262 man the cameras with help from other Field Test organizations.

Salton Sea Test Department 4580 provides marine facilities and helps recover the capsules from the Salton Sea.

Test Project Division III 5253 under A. J. Max has overall responsibility for Sandia's participation in Project Mercury. This project is one of many steps to be taken before man will venture into space. The journey will be made by several test animals before a human being attempts the trip.

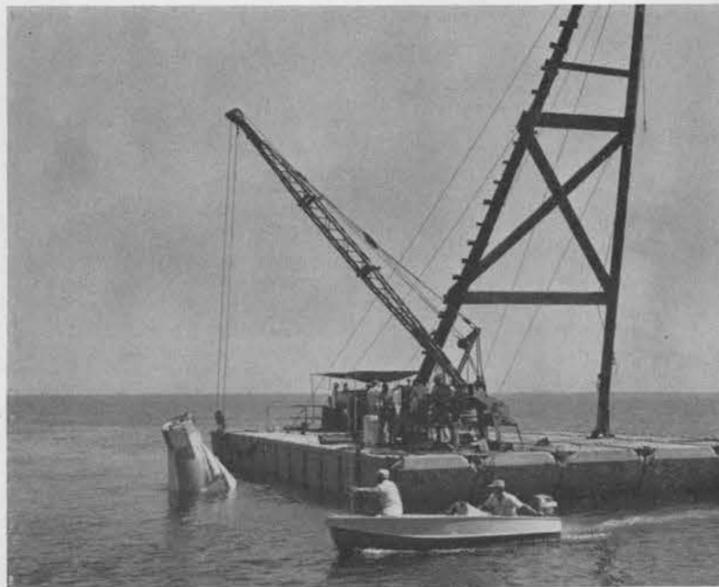
These tests are a portion of the national effort that is going into Project Mercury.

The Mercury flight is planned to start from a launching site at Cape Canaveral, Fla., where an Atlas missile carrying the capsule will be fired into space.

One of the seven United States military volunteers already chosen



ONE OF THESE SEVEN ASTRONAUTS will occupy the Project Mercury capsule on its trip through space. Shown examining a model of the capsule and its Atlas ICBM booster are officers Virgil Grissom, USAF; Alan Shepherd, Jr., Malcolm Carpenter and Walter Schirra, USN; Walter Slayton, USAF; John Glenn, Jr., United States Marine Corps; and Leroy Cooper, Jr., USAF.



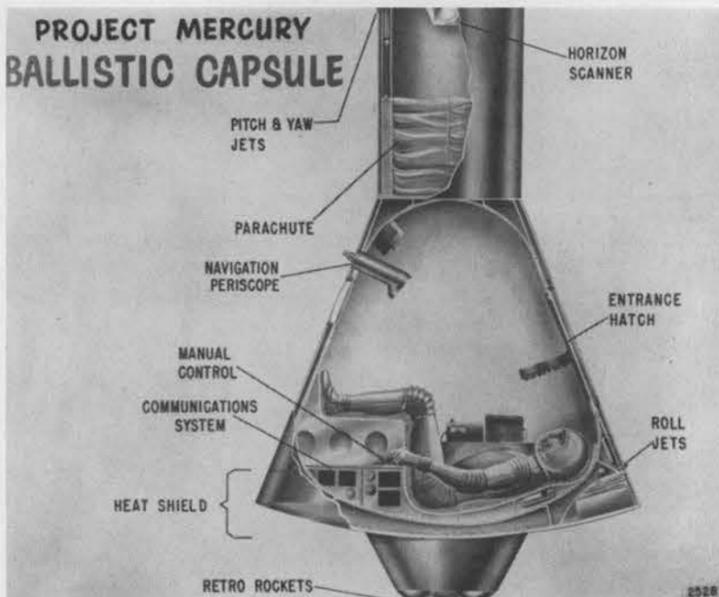
FISHING the Project Mercury capsule out of the water is the Sandia barge and launch at Salton Sea Test Base. A test has just been completed and the recovery of the one-ton capsule is under way. Men of 4580 perform this operation. Thirty-seven drop tests of the capsule have been completed. Photo by Harley Moody (5262).



IMPACT of the full scale Project Mercury space capsule is shown during a test at Salton Sea Test Base. An inertia switch has fired an explosive charge disconnecting the 63 ft. parachute. Sandians are helping conduct the series of drop tests.



DESCENDING FROM 30,000 ft., the full scale Project Mercury Test Capsule travels at the rate of 30 ft. per second. Drop tests of the one-ton capsule at Salton Sea Test Base have been from a USAF C-130 transport and from a U. S. Marine Corps HR2S-1 helicopter.



ASTRONAUT'S POSITION inside the Project Mercury space capsule is diagrammed here. "Retro" rockets at the capsule's rear will be fired on signal from the ground or by the astronaut to direct the vehicle's re-entry into the earth's atmosphere. Sandians are helping test the landing system at Salton Sea Test Base.

tro" rockets fixed on the vehicle. These will slow its forward speed and rotate the vehicle 180 degrees so that the blunt end faces forward as it falls toward earth in a long trajectory. When it has descended to approximately 66,000 ft., the automatic landing system will take over.

This is the system that is now being tested at Salton Sea. It consists of a primary completely automatic system and a reserve manual system.

After re-entry, at about 66,000 ft., a pressure switch will close firing a mortar which will propel a 6 ft. ribbon type drogue parachute directly aft and into the airstream. The explosive is necessary because a body moving at high speed creates a low-pressure, turbulent area behind it which can prevent a parachute from opening.

The mortar is similar in shape and size to a trench mortar. Deployment of the drogue parachute also ejects a chaff package which distributes finely cut metal foil, providing a large radar target that can be picked up by waiting planes.

The capsule is stabilized and slowed by the drogue parachute. At 10,000 ft. another altitude switch releases the antenna fairing to which the main parachute is attached.

The stabilization parachute and the antenna fairing extract the 63 ft. landing chute to provide a 30-ft.-per-second descent rate.

At surface contact, a switch senses the impact and frees the main parachute. This is to prevent it from acting as a sail in the wind and towing or upsetting the capsule.

When the capsule hits the water, radio beacons, a flare, water

dyes and a rotating beacon will signal rescue teams arriving by air and sea. A bomb, similar to a miniature depth charge, is also released which explodes after sinking to a given depth. This explosion is picked up by underwater sound detection devices.

The capsule is designed to float without any buoyancy aids.

In addition to the primary recovery system, there are two emergency sequences, both initiated by the pilot. By pulling the "abort" handle the pilot can by-pass the drogue chute sequence and deploy the main chute. This sequence is used when the capsule is separated from the booster rocket on ascent for emergency reasons.

Ground equipment controlling the re-entry command equipment aboard the capsule will also maintain voice communication with the astronaut during flight. Thus, a great degree of the astronaut's safety will be dependent on the tracking network.

This world-wide ground station network—which will cost in excess of \$30,000,000—is now under construction by an industrial team headed by Western Electric Company.

Mercury's ground network will consist of 18 stations located in Washington, D.C. (the main computing center), Cape Canaveral, Bermuda, Africa, Australia, Hawaii, Southern California, Central America, the southwestern United States, on islands in the Atlantic and Pacific and on two ships.

The network will be completed in early 1961. Other preparations should be finished about the same time. Sandia is participating in making possible man's conquest of space.

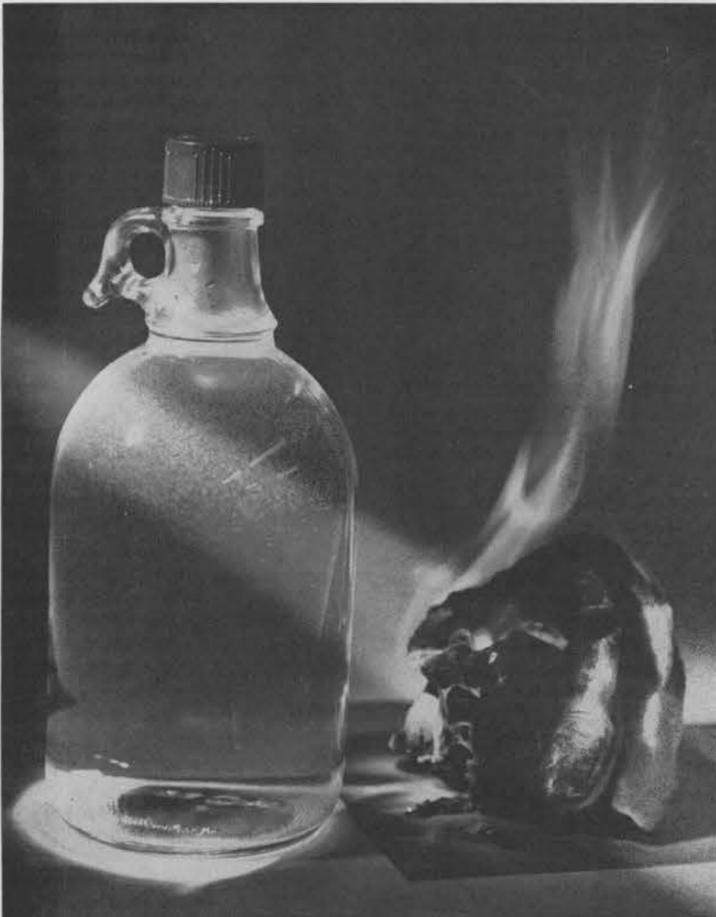
THE WHITE HOUSE
WASHINGTON

NATIONAL ENGINEERS' WEEK

On the occasion of National Engineers' Week, it is fitting to salute the contributions made by the engineering profession to America's technological development.

The theme for this week, "Engineering's Great Challenge--The 1960's", points to the demands of the coming decade. The unprecedented requirements for excellence, for high performance, and for public service must be met if we are to continue to grow in scientific achievement. In encouraging our young people to prepare for careers in science and engineering, we strengthen the base for further advances.

Dwight D. Eisenhower



FIRE HAZARD—This innocent looking bottle of clear liquid becomes a fire hazard when rays of the sun passing through it are refracted as in a magnifying glass. Resulting heat can cause flames.

Bottle of Liquid Again Causes Fire; Loss Negligible But Threat Remains

A small fire in the outside storage area south of Bldg. 892 on a recent Sunday was promptly discovered and extinguished by patrolling and security guards.

The sun's rays traveling through a gallon jar of mineral oil refracted as by a magnifying glass and ignited some rags. The rags in turn scorched a wooden platform. Damage was negligible and no loss was recorded.

The cause is well known to Sandia's fire prevention personnel of Inspection Section 4542-1. Last summer a similar incident occurred in Bldg. 887. Light came in through an open door to strike a five gallon jar of distilled water which ignited a tarpaulin. Again the flame was promptly discovered and extinguished.

"Most people are not aware of this fire hazard," Ted Rosenwald of the section says. "Any clear glass jar containing a clear liquid will act as a magnifying glass when the sun is shining through

it. Consequent heating and flames can result."

Ted advised that all employees check their work areas for such fire hazards and take a look around their homes.

8100 Wins Golf Trophy In First Annual Contest Between Organizations

Organization 8100 won the coveted 8100-8200 Livermore golf trophy in the first annual contest held between the two organizations Feb. 7 at the El Campo Country Club.

The 8100 team defeated 8200 by 52 and one half strokes, under the Calloway handicap system. Don Werner (8122-1) had low net score of 63. Bill Ryan (8211) and John Barnhouse (8223-1) qualified with low gross with each getting 88.

A total of 47 golfers competed in the tournament.

AEC Commissioner Explains Why . . .

Monitored Disarmament Is Needed for Lasting Peace

John F. Floberg, a member of the U. S. Atomic Energy Commission, recently spoke on the "paramount objective of making the maximum contribution to the common defense and security." His words were addressed to the members of the Washington Post of the American Ordnance Association.

Mr. Floberg used the speech title of "Nuclear Weapons in Relation to American Military Policy." His introductory words included these: "I thought I would discuss . . . a few of the aspects of the atom as principal instrument of the country's physical security and to touch on some, and leave some to your imagination, other effects which erosion on that instrument's availability would imply."

Starting with some history, Mr. Floberg said: "Much has been discussed regarding the effect of the atomic bombs on concluding World War II, and one's proximity to Japan at that time has considerable bearing on his views on that question.

"Regardless of differences of opinion, however, it is indisputable that on the day following the second of those drops, there were initiated not only proceedings for peace but also for the laying of a foundation of friendship, mutual reliance, and mutual respect which finds our country and Japan closely cooperating in the safeguarding of democracy and which brings her Premier to this country at this very time as an honored guest.

"From immediately after the cessation of hostilities between the Allies and the Axis until 1947, the United States went through a 'demobilization period.' . . .

"Between the years 1947 and 1950, we discovered that in our pre-occupation with converting our wartime military strength to a strict peacetime economy, our national policy had amazingly failed to give adequate account to the fact that the Soviet Union was not very subtly posing a threat to the long-range security of all freedom loving peoples.

"A series of unfriendly incidents, to use a euphemism, on the part of the Soviet Union in Iran, the Balkan countries, Turkey, Greece, and within the operating procedures of the United Nations,

World War II GI Loans To End July 25, 1960, VA Reminds Veterans

World War II veterans are in the final year in which application may be made for a G.I. home, farm or business loan.

The cut-off date is July 25, 1960. However, the law allows an additional year, or until July 25, 1961, for the processing and actual closing of loans. These dates do not pertain to Korean veterans, who have until Jan. 31, 1965, to make loan applications.

World War II veterans who also served in Korea are considered Korean veterans for loan purposes.

Mountain Club to Take Practice Climb At Jemez River

A practice rock climb and investigating a volcanic cone that overlooks the Rio Grande near the mouth of the Jemez River will be scheduled activities of the New Mexico Mountain Club during coming week-ends.

On Feb. 21 there will be technical climbing instructions for beginning and advanced climbers.

Saturday, Feb. 27, members and their guests will investigate the curious rock formation of Canjilon Hill and a volcanic dyke nearby and will also visit some ancient ruins and search for pictographs.

Both trips start from Nob Hill at 8 a.m.

awoke the nation, however, and convinced the last optimists that the Soviets were determined to destroy any surviving semblance of wartime friendship and cooperation.

"These disillusioning experiences with the Soviet Union, along with her complete rejection of the Baruch Plan for the international control of atomic energy, clearly indicated, if all of that proof was needed, the Soviet Union's suspicion of the Western Powers, her contempt for them, and her intention not to cooperate with them in search for permanent peace.

"The factor which made perfectly clear the termination of any security enjoyed by the free world as a by-product of an American monopoly of the atomic bomb was the announcement on Sept. 23, 1949 that the Soviet Union had exploded an atomic device. From this moment on the Western world knew that whatever security had been inferred from an American monopoly of that weapon now had to be sought in military and political policies both more fundamental and more complex than reliance on any single weapon.

"The Korean war in 1950 presented a new kind of problem to our policy of containing Communism by extending material and technological help to free nations. We amended the policy to include containment through limited war, a refinement which gave our field commanders specific military obligations but curtailed them from utilizing their full military potential for fear of turning local actions into global war.

"The beneficial contribution of the Korean war lay in the fact that it alerted the free world into mobilizing against future aggressive actions by the Communists since the latter had evidence that extended military operations were included within their choice of weapons.

"It was during this period that President Truman directed the Commission to continue to work on all forms of nuclear weapons, including the thermonuclear bomb. The Commission responded to Defense requirements for a more diversified stockpile by stepping up its development program and for additional quantities of weapons by increasing its production capacity.

"The net effect was the addition of limited tactical capabilities and new strategic capabilities to the inventories of the various military services. It was also during this general period that weapon developments took a new turn with the establishment of defense requirements for the development of warheads for certain missiles which the services expected to obtain in the future . . .

"As we continued the re-evaluation of our defense posture in the years after World War II, it became clear that 'massive retaliation,' although traveling by various aliases, had in reality been one of our major defensive weapons since Alamogordo . . .

"The policy received a new dimension when we fired our first thermonuclear device in the fall of 1952 and thereby demonstrated that a stockpile of nuclear weapons could contain instruments of massive destructive power. Subsequent explosions made clear that the United States was developing weapons of large scale, and then a series of development tests in Nevada showed that we were rapidly obtaining a versatility in the use of nuclear weapons for many purposes . . .

"This historical review should indicate that the evolution of our defense policy since World War II was based on the fact that our nuclear capability has been the pivotal force influencing our current concepts of se-

curity. . . . Our nuclear capability has been the slingshot in David's hand as we have faced the manpower Goliath, that we pose one of our critical security issues of our lifetimes.

"For the purpose of lessening international tensions . . . the President announced in August of 1958 that this country would suspend nuclear tests as of the following Oct. 31 and undertake the negotiation of a permanent, comprehensive, and fully policed suspension of nuclear weapons tests.

"Since Oct. 31, 1958, neither we nor our British friends have fired any nuclear explosions, and except for a few which the Soviets fired in the first days thereafter for the apparent purpose of defiance, they have fired none of which we have knowledge. And since that date we have been negotiating in Geneva for the purpose of reaching the agreement which has been our goal.

"For what purpose, however, have the Soviets been negotiating? As nearly as I can tell, for the purpose of having us suspend all nuclear tests while they may or may not be suspending all of theirs. Not only their reluctance to negotiate sincerely with regard to underground tests but the truculence with which they have refused cannot help but inspire suspicion . . .

"We must continue our efforts to reach agreement with the Soviets on disarmament as well as on all other issues that divide us, but once again agreement that can be policed. We made the mistake between the World Wars and again in the late 1940's of disarming on the unaudited representation that other countries were doing likewise, and we must have learned that our reliance must be on inspection rather than trust in this vital area. And all steps toward disarmament, including the cessation of nuclear tests, must be similarly foolproof.

"Atmospheric nuclear explosions already meet this test, and so that concrete step can now be taken. Explosion in outer space, at least within limits, also meet it, and so they may be considered.

"It is conceivable that underground explosions may some day meet it, and so the proper course then is the conduct of a vigorous program exploring the subject both theoretically and experimentally for the purpose of building a technically sound foundation for agreement. In this way we shall be adhering strictly to the sound principle that every disarmament step must be adequately policed.

"If any step toward monitored disarmament succeeds, we must immediately press for the next step, not pressured by some hysterical propaganda about banning nuclear weapons—if I were Goliath I, too, would want David to agree to ban slingshots — but rather in the light of scientific, technical, sound facts.

"Political recrimination and personal vilification such as occurred in Geneva can only retard progress toward the peaceful goal all sensible people seek. The subject is too important to be treated like a propaganda football, and the Soviets should know by now that Americans do not frighten easily enough to be impressed by the muttering of threats and by chest pounding before the Supreme Soviet.

"There is no need for us to tell either ourselves or anybody else in the world that our country is strong. In view of the intentions, both professed and demonstrated, of others toward the free world, let us make clear that any reduction in our strength will be on an ironclad basis rather than under circumstances that might either make us bait for the predator or reduce our capability to help our free friends."

Sandia Service Awards

15 Year

10 Year



Albert J. Rizzoli
1624
Mar. 1, 1945



H. Clyde Walker
8123
Feb. 7, 1950



C. J. Baumgartner
3240
Feb. 20, 1950



Anita E. Padilla
2700
Feb. 20, 1950



Carl W. Manauagh
4253
Feb. 22, 1950



Helen R. Smith
4400
Feb. 23, 1950



William J. Denison
1224
Feb. 27, 1950



Louis E. Aragon
4171
Mar. 1, 1950



Walter H. Martin
4514
Mar. 1, 1950



Harold A. Neuhaus
4518
Mar. 1, 1950



John I. Sullivan
4575
Mar. 1, 1950

Letha Stewart Named Assistant Director of Florida Theater Group

Letha Stewart, administrative clerk in Sandia Corporation's Field Office at Cocoa Beach, Fla., has been chosen assistant director of the Surfside Players presentation of "The Tender Trap."

She first worked backstage in their production of "The Matchmaker," and last October she was elected secretary of the Board of Directors.



Norman J. Renaud
8232
Feb. 27, 1950



Eugene B. Springer
3451
Feb. 27, 1950



Robert I. Orr
4511
Mar. 2, 1950



David T. Reed
2442
Mar. 2, 1950

Five Year Pins

Feb. 20-Mar. 4

T. J. Williams, Jr. 1431, Donald J. Grab 1432, Robert L. Hannigan 5535, David L. Poli 2555, William T. Owens 1615, L. Alton Meador 1541, Lawrence L. Lodge 1627, Donovan B. Browning 1331, Howard M. Stuart 5536.

Soaring Anyone? Club Is Forming

A Soaring Club is being organized with the goal of bringing the sport to Albuquerque by spring. Interested persons may contact Jim Stark (5144), AM 8-8674, for information.

For those not familiar with soaring, it is the art of gliding—making use of high performance gliders which are capable of gaining altitudes on rising air currents.

Conditions for soaring in this locality are thought to be excellent, since all three of the major sources of lift—thermal, ridge and wave—are present. Terrain east of the mountains should be very good for cross country glider recovery.

Many record distance flights have been made in Eastern New Mexico and western Texas.

The National Soaring Meet will be held this summer at Odessa, Tex. where record flights have been made in the past. Some of the world's finest sail planes will be competing at this meet.

Max Newsom Heads Sandia's Employee Volleyball Association

President of the Sandia Corporation Volleyball Association this year is Max Newsom (1247) and vice president is Malcolm Woodward (1614).

At an organizational meeting last week, 12 teams were set up, divided into two leagues called the "Thunderbirds" and the "Rain-birds."

Individual trophies will be awarded to champions in both leagues. At the end of season play, the champions and runners-up from both leagues will compete in a tournament for the large traveling trophy.

Games will be played on Tuesday and Wednesday nights at 5:30, 6:15 and 7 p.m. starting Mar. 1. A 15-minute practice session will precede each game.

For further information contact Employee Service Representative George Banos, ext. 29157.

Represent Magazine

Bert W. Lindsay (5126) and Henry Schutzberger (5242) were recently appointed geographical representatives for The Digitizer, monthly publication of the Rio Grande Chapter of the Association of Computing Machinery. J. L. Tischhauser (5242) is alternate. Don Morrison (5126) is chairman of the organization.

J. C. Eckhart Speaks To Purdue Engineers

John C. Eckhart, manager of Project Department 5250, this week presented a talk at the Staff Seminar, Department of Electrical Engineering, at Purdue University, Lafayette, Ind.

Title of the talk was "Some Instrumentation Challenges of Space Age Research and Development."

SHOPPING CENTER

CLASSIFIED ADVERTISING

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

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please
7. Include name and organization.

FOR SALE

GE REFRIGERATOR, 12 ft. freezer, \$225; 16 in. 2-wheel bicycle w/training wheels, \$10; 2-wheeler, white shade, \$6. Hobbs, CH 2-4745.

17 in. HOFFMAN TV console, walnut cabinet; 17 in. Raytheon portable TV. Breslin, AX 9-6625.

CHAISE LOUNGE, upholstered in blue gray nylon, \$45. Smailer, AX 9-8413.

BATTERY CHARGER, 6 amp, 6 amp w/meter, switch & long leads, \$5. Merritt, AX 9-6630.

3 BRM. HOME, HW floors, carpeted, garage, large lot, patio, walled, landscaped, AC, dishwasher, disposal. Weber, AL 6-2947, 3933 Simms Ave. SE.

'55 PLYMOUTH, 4-door, V-8, R&H, power-flite, new tires, brakes, 2-tone, 1 owner. Brown AL 6-4584 after 6 p.m.

'50 PLYMOUTH, 4-dr. Myers, ext. 25261 and 1413 Georgia NE weekdays.

'49 CROSLY station wagon, 1960 license tags, \$95; relaxicizer, \$75; parakeet w/cage & wrought iron stand, \$7. Cummings, AX 9-5907.

'57 FORD custom 300, 2-dr., R&H, stand. trans., \$1250. Gallegos, DI 4-4788.

'59 CUSHMAN Super Eagle motor scooter, blue, 11 mos. old, buddy seat, rear view mirrors & many extras, \$290. Unger, AM 8-3513 after 6 p.m.

'56 VOLKSWAGEN, 58,000 mi., \$260 under blue book, \$900. Poe, AX 9-3380.

COLDSPOT REFRIGERATOR, 7 cu. ft., \$50; electric range, 40 in. hotplate w/deep well, \$35. Hankins, DI 4-8946.

"BIMBO RACER" Italian built for children; sport car design, electric powered, \$200. Jones, AM 8-3055.

INSIDE MAHOGANY DOOR, new w/frame, 32x80 in., \$10; Magnatone electric guitar w/case, \$35; 3-piece fire engine set, \$15. Cashion, CH 2-3345.

BOAT, 16 ft. utility, \$150; will take used car or K-22 pistol in trade. Cox, AL 6-1977, 510 Espanola NE.

TV, 21 in. Philco console, take over payments, no equity wanted, moving out of state. Adams, AM 8-3529 or AL 6-3895.

'47 NASH, will trade for refrigerator. Tanner, AL 6-9973.

BED, "antique" Hollywood type, \$15; Sealy box-spring & mattress, \$25; dressing table, \$5; girls' 26 in. bicycle, \$5. Thomas, AX 9-0178.

3 BRM HOME, HW floors, pitched roof, detached garage, 1/2 acre land, landscaped, fenced, SW valley, \$11,500. Salazar CH 3-9740.

'51 GMC 1/2 ton pickup, \$395; '51 Ford station wagon w/cover, \$295. Silva, DI 4-6714.

2 BEDS, Jenny Lind & twin w/spring & mattress; girl's 26 in. bicycle; Stevens 22 repeating rifle. Massey, AM 8-1660.

'51 WILLYS OVERLAND, 2-wheel drive, 6 cyl., overdrive. Kimball, AX 9-2015 or F-0374 NE after 5:30 weekdays.

J. C. HIGGINS, model 51, 30-06 rifle; Butane gas regulator, heavy duty, automatic change over. Langston, AM 8-2839.

DRAFTING SET, used 1 year., instruments, board, T-square, angles, protractor, curve, etc. \$20; 1 in. Starrett micrometers, \$15. Mattina, AX 9-7060.

CULVER CADET, 90 h.p. Franklin, 40 hours SMOH, cruises 145 mph, 2-woy radio, \$1500 cash. Longmire, AX 9-0453 after 6 p.m.

2 COUNTRY TELEPHONES, \$10 ea.; weight driven clock, \$10; cuckoo clock, \$6.75; floor model drill press; canteens w/cups; bicycle parts. Allison, AX 9-1400.

TWIN HOLLYWOOD BED, U.S. Koylon foam mattress, reasonable; solid mahogany dresser, mirror, chest, reddish stain, \$50. Williams, AL 6-6008.

'50 DESOTO Club Coupe new tires & brakes, \$275 or best offer. Gelder, AX 9-0134, 10201 Los Arboles NE.

'59 PLYMOUTH custom suburban, 9-pass., Torqueflite, TG, R&H, low mileage, \$2595. Burton AX 9-3509.

USED RADIO PARTS: two 4 x 250B tubes, \$15 ea.; two air system sockets w/chimneys for above, \$10 ea. Lyon, AL 6-1858 after 5:30 p.m.

SEARS 4 1/2 in. jointer; 13 in. Atlas jig saw; Sears drill press; belt and disc sander; electric motors, new & used. Pliner, 6210 Bellamah NE.

KNITTING MACHINE, Brothers, 184 needles, all attachments & instruction book included, used once, \$100. Bosworth, AL 5-5037.

DRESS SHIRTS, white & colored, size 15 1/2-2; suits, including tuxedo, size 40; lost weight. Blackwell, AL 5-7677.

DUTCH DOOR, custom made, 6 ft. 8 in. x 32 in. w/hardware, \$30; pair of wood garage doors, 49 in. x 6 ft. 2 1/2 in., w/hardware, \$9. Ogden, CH 3-4723.

STEAMER TRUNK, wardrobe type, 22x14x-36 in., \$20; B-4 bag, \$10. Kerns, AL 5-1450.

'59 CHEVROLET Sport Sedan Impala. 4-dr. hardtop, PS & PB, R&H, w/w tires, 14,000 mi., take over payments. Silva, CH 3-9526.

SIX YEAR CRIB, new mattress, \$15. Macielek, AX 9-1696.

'53 3/4 TON CHEVROLET, 4-speed, 5 six ply tires, R&H, overloads, trailer hitch & electric brake control, \$495. White, AX 9-0450 after 5:30 p.m.

2 ALLIANCE ANTENNA rotators w/controls, \$10 ea. Stephenson, AX 9-3914.

3 BRM HOME, garage, venetian blinds, landscaped, large trees, etc., \$12,500. Dieruf, AX 9-6526, 9904 Arvilla NE.

1 GARAGE DOOR, single, standard, wood w/hardware (overhead type); 10-pane metal sash window (68 1/2 x 49 1/2); TV roof antenna. Newell, AL 6-4895 after 5 p.m.

3 BRM HOME, 1 1/2 baths, walled backyard, less than year old, 5 minutes to base, near schools, shown by appointment. Renegar, AX 9-2233.

BLUE FORMAL, nylon, ballerina length, size 11, never worn, \$15.95. Johnson, AX 9-6912.

'49 DESOTO, 4-dr., automatic drive, R&H, electric wipers, good second car, \$100 or best offer. McCoy, AM 8-1525.

WINCHESTER Model 52, 22 cal. target rifle, complete w/10x Litschert scope, Bishop stock & handrest, \$125. Brown, AX 8-0108.

REFRIGERATOR, Kelvinator, 9 cu. ft., 60 lb. freezer chest, complete w/trays & butter freezer. Burbank, AX 9-1460.

ANTIQUY SPINNING WHEEL, maple, \$50; Crosley engine & parts, cheap. Young, AL 6-1387.

JAMES, 1613 Hazeldine SE evenings.

PONTIAC, 4-dr., hardtop, R&H, hydro-matic, 28,000 mi., owned by elderly couple. Dennis, AX 9-8700, 1516 Espejo NE.

NEXT

DEADLINE

FOR SHOPPING CENTER ADS
Friday Noon, Feb. 26

MALE BOXER, AKC registered, 11 mos. old. Sanchez, AM 8-5427.

3 BRM HOME, built-in oven & range, disposal, drapes, garage, no qualifying near schools & base. Caldwell, AX 9-6135.

REVOLVER, Colt single action 45 cal., 7 1/2 in. barrel; will trade for old guns or coins. Zaluga, DI 4-1564, 1321 Van Cleave NW.

CONVERSION KIT (Singer) for sewing machine w/motor, controller & light, \$10. Conant, AL 6-0012.

CAMPING TRAILER, 8x13 ft. opened, sleeps 5, canvas top, 1960 tag, similar to Kwikamp, \$250. Hopkins, AL 5-8902.

CW HAM STATION console; will consider trade for tape recorder, Hi-fi equipment, power tools, etc.; make offer. Poore, AM 8-2036.

MATCHING STEP TABLE and 36 in. round cocktail table, Howell, \$20. Olson, AL 5-8360.

KENMORE WASHER, 3-speed, \$100. Jones, AL 5-8464.

DX40 TRANSFORMER w/UFO, \$65. Hansen, AM 8-0769.

DOOR EXTERIOR, panel, 2 ft. 8 in. x 6 ft. 8 in., fir, 4 panes of glass, opens toward inside, knob on left. Lenz, AL 6-7037.

YOUTH BED, Simmons, maple finish, steel frame, w/proof mattress, \$30. Gustafson, DI 4-6529.

FIREPLACE GAS LOG, resembles real logs, half price; fender skirts for '53 Plymouth, chrome headlight rims & door handle protectors, \$10. Perea, CH 3-3716.

4 BRM HOME 2 baths, large CH, DR, LR, kitchen, utility rm., attached garage, HW floors, w/w carpeting, \$17,000. Miller, AL 5-9757.

143 RUBBER TILES, 80 sq. ft., ivory w/brick red, 1/8 in., \$10 ea.; 2 brass floor lamps, \$4 ea. Cafferty, AL 6-4090.

ENGLISH RACER bike, men's, cheap. Myers, ext. 46290 after 6 p.m.

'60 SYLVANIA TV, 21 in. Slim-line, \$160; '60 stereo record player in cabinet, \$75. Ewald, AL 5-7269.

MIRRO-MATIC COFFEE percolator, 36 cup, used 1 month, \$20. Palmer, ext. 27271.

'59 HOUSE TRAILER, 10x55 ft.; sell or trade for house equity; '48 Renault Dauphine, trade for older car. MacKenzie, DI 4-8114.

1-HORSE TRAILER, \$125. Garrison, DI 4-2023.

DUMONT TV, 17 in., console model, \$50. Glenn, AX 9-2743.

'56 VOLKSWAGEN deluxe, leatherette seats, R&H, \$1090. Kellom, AX 9-6108.

SOFETTE, forest green upholstery w/interwoven silver & gold thread; large matching bolster, \$20. Pappas, AM 8-0781.

BALDWIN SPINET, 6 mos. old, walnut finish, must sell for lack of space, \$525. Lent, AM 8-7129 weekdays.

HOFFMAN ROYAL, electric kitchen, sprinklers, screened patio, \$500 below FHA appraisal \$3,000 down, 4% loan, \$1,000 new loan. Sundberg, AX 9-2177.

'49 NASH, 4-dr., new front shocks, rebuilt engine, reclining seats, 125. James, 1613 Hazeldine SE evenings.

PONTIAC, 4-dr., hardtop, R&H, hydro-matic, 28,000 mi., owned by elderly couple. Dennis, AX 9-8700, 1516 Espejo NE.

'57 MGA, wire wheels, tonneau cover, heater, new tires & battery, recently balanced & tuned, \$1675. Garner, AX 9-7582.

BABY'S HIGH CHAIR, \$7.50; child's record player, \$8; large record cabinet, \$5. Pope, AL 5-6702, 816 Val Verde SE.

3 BRM HOME, Inez brick, 1 1/4 baths, H-W, carpeting, CH, AC, walled, patio, landscaped, sprinklers, low down payment. Seay, AX 9-5270.

KENMORE SEWING MACHINE, \$85; Motorola 3-channel stereo, \$75 equity & take up payments; both 3 mos. old. Spann, DI 4-8793 after 6 p.m.

CARPETING, wall to wall, fits AEC housing, LR, DR & hallway, sage green, cotton, \$125. Quate, ext. 41297.

HENRY J, needs transmission work, \$95. Allen, AL 5-7048.

'55 PICTORIAL ENCYCLOPEDIA of the World, \$10; pressurizing pump w/motor and hose, \$35; pressure tank, \$10; spray gun, \$13.95. Welker, AX 9-1179.

DINETTE SET, large table & 6 upholstered chairs, Daystrom, yellow & chrome, \$100 original cost, \$30. Shoberg, AX 9-6221.

'54 FORD V-8 club coupe, R&H, Fordomatic, \$545; Winchester model 70, 300 Weatherby, Receiver sights, dies & brass, \$125. McKinley, ext. 46268.

'59 KENMORE WASHER, 2-cycle automatic, cost \$216, \$120 or best offer. Scott, AX 9-3412.

FREEZER, chest type, 6-0318 ft., w/lock, \$75. Jackson, AL 6-0318 evenings.

2 TRAILERS, one 36 ft. Alma 1954, 2 bedroom, full bath; one 12 ft. camper, side & rear doors. Milligan, CH 3-2429 after 6 p.m.

2 SIMMONS SLEEP CHAIRS, \$20 ea. Carrick, AL 5-8281.

UPRIGHT FREEZER, 12.5 cu. ft. Luckett, AL 6-2346 after 5:30 weekdays.

OXYGEN REGULATOR, 2 stage, National 751; hoses, blowpipe, goggles, glass, shaper, etc. for glass blowing \$65. Young, AL 6-9158.

SPANISH GUITAR, new, inlaid w/mother of pearl, \$25. Roth, CH 3-0522.

SADDLE, 15 in., 1 yr. old, sacrifice for \$55. Haley, DI 4-3919.

3 BRM BRICK, 1 1/4 baths, large kitchen, disposal, dishwasher, service room, carpeting, drapes, garage, covered patio, landscaped. Adams, AX 9-0454 after 5 p.m.

BED DIVAN, Simmons, make offer. Gunderson, AX 9-9184.

MOVIE CAMERA, 8mm, Keystone Capri K25, \$29. Jefferson, AX 9-1125, 10905 Elvin NE.

SIAMESE KITTEN, 3 months old, housebroken, cheap. Uhl, AM 8-1855, 501 Charleston NE.

TWO SETS Hollywood bed legs (12) for half price, \$5. Newman, AL 6-3295.

TWO POOL TABLES, \$60 each; Tonneau cover for T-Bird, white leatherette. Romero, DI 4-0302.

'57 RENAULT DAUPHINE, light green, R&H, white side walls, see after 5 p.m. Roller, AX 9-4661, 9620 Aspen NE.

PLASTIC DISHES, new, complete service for four with extra pieces, Texas ware Harvest pattern. Hodges, AM 8-5097.

CHILD CARE in my home, close to Princess Jeanne & Mankin additions. Myers, AX 8-2677, 1113 Espejo NE.

CHILD CARE in my home; would like 3-4 yr. old playmate for daughter; play-ground equipment in enclosed backyard. Drummond, AL 6-0144.

TO TRADE for 110A Polaroid camera; need Cub Scout uniforms and adult Boy Scout uniforms. Allison, AX 9-1400, 1705 Inez Dr. NE.

MODERN FOLD DOOR, 6 ft. 8 in. x 32 in. Ogden, CH 3-4723.

CHILD CARE in my home, 5 day week at \$10.50. Kellum, AX 9-6018, 1101 Grace NE, (Princess Jeanne Park).

HOMES for two puppies, curly haired, female, 8 wks. old. Tatum, CH 2-9021.

SMALL BREED registered dog, will give good home. Becker, AX 9-2539.

SLIDE RULE w/trig functions; extreme accuracy not important. Phillips, ext. 46284 after 5 p.m.

MATURE WOMAN who likes children to baby-sit occasional evenings w/family of six (ages 10,8,6,3,2,1). Mauldin, ext. 21198, Sandia Base.

LOST AND FOUND

LOST: 1960 tag for license plate; prescription sun glasses; wallet w/ID of Helen Lautner; turquoise drop earring; masonic ruby ring left in envelope, Rm. 123, Bldg. 800; safety glasses; brown leather gloves, size 7 1/2. Lost and Found, ext. 26149.

FOUND: Photo of girl found at cafeteria; lighter w/red, white & black shield; 1960 Overbrook High ring; 2 keys in brown Darwin leather case; sterling silver bracelet; key w/number 1054K; small key w/P-721; keys on copper chain w/nail clippers; key made at Heights; silver ball drop earring; black & sterling earring. Lost and Found, ext. 26149.

LOST: Springer Spaniel pup, black & white, vicinity of Tech & Rhoads Island NE; Alfred State Tech gold class ring, red stone, lost in Tech Area I. Reward. Fairbanks, AM 8-1510.

FOR SALE AT LIVERMORE

TUNER, AM-FM, amplifier, separate units, stereo-monaural, harmonkardon duet & trio, 3 mos. old, best offer. May, HI 7-5931.

GOLF SET, driver, brassie & spoon w/mitts, 2,4,6,8,9,11 irons & putter, bag & balls, \$45. Vieira, HI 7-5783.

WASHER, '55 Hotpoint, 9 lb. automatic, \$75. Ingledue, HI 7-2695.

'59 ANGLIA, English Ford, white, 7000 mi., '60 registration, \$150 & take over payments. Brown, BR 6-7815.

SKI BOAT, 14 ft. Ladd, black & white w/mahogany deck, trailer, chrome accessories, padded front seat, no controls. Hunter, JE 9-9871 after 6 p.m.

3 BRM HOME, 2-car garage, 2 baths, landscaped, fenced, patio. Bennett, HI 7-5755, 3886 Pestana Way.

'57 RENAULT DAUPHINE, '60 tags, \$900. Sheridan, HI 7-2875.

'58 SIMCA, assume monthly payments of \$52, includes insurance. Beierlein, ext. 2274.

SKI BOOTS, handmade in Austria, ladies size 6 1/2, \$10. Loveliss, HI 7-3678.

SKI BOOTS, men's size 7 1/2, Wilson brand, worn once, \$10. Greeno, HI 7-2895.

'59 FORD GALAXY, 2-dr. hardtop, PS, Cruise-o-Matic transmission, \$2550. Ayan, HI 7-2954.

WANTED AT LIVERMORE

GIRL'S BICYCLE, 20 or 24 in. Sage, HI 7-0714.

Bowling Tournament Results

Sandia Lab's Security Messages Now Being Communicated by Electricity

In its continuing campaign of security education, the Security Operations and Information Division 3231 has several innovations planned to provide more informative and interesting programs for employees.

Recently, the division acquired an animated message machine scheduled for appearance in each of Sandia Laboratory's major buildings. Perforated tapes, spelling out a security message, are illuminated by fluorescent lights in a portable machine. As the revolving tape belt moves into view in the glass front, the message is easily read.

Four fluorescent tubes are used interchangeably in colors of red, blue, gold and white. Six different tapes stress reminders on mon-

itoring, exclusion areas, locking safes, need to know and hand-carrying documents.

Loose talk, wire tapping, visitor control and hand-carrying responsibilities will also be emphasized by the division in the coming months. Forecasting these topics is the February security theme, depicted by posters on bulletin boards, entitled "Things To Come In Security."

Employees will have an opportunity to see a live demonstration of wire tapping in the near future. The division plans to stress the precise steps for visitor control through various levels of security. Proper hand-carrying responsibilities and correct mail channels will also be reviewed.

A film on "Loose Talk," one of four being prepared by the Security Division and the Motion Picture Division, is in the planning stage. These films will be shown to employees as part of the security education program.

Conference to Study Cost Reduction Through Good Data Processing

Plans are underway for a conference on "Cost Reduction Through Efficient Data Processing" to be held in Albuquerque in April.

The meeting will be jointly sponsored by the National Association of Accountants, American Institute of Industrial Engineers, National Machine Accountants Association, National Society for Business Budgeting, and the National Office Management Association.

According to Byron Garrison (4171), chairman of the Albuquerque group of NAA, the talks and panel discussions will be supplemented by a showing of related business machines.

The Albuquerque group of NAA has increased its membership to 83 and has fulfilled all requirements for acquiring Chapter status. Such action is expected to be taken in early spring by the National Council of NAA, Mr. Garrison reports.

G. M. Wing Writes Paper for Proceedings Of National Academy

A technical paper by G. M. Wing (5126) and two of his former co-workers at RAND Corporation, Santa Monica, Calif., appears in the current issue of Proceedings of the National Academy of Science.

"Invariant Bedding and Neutron Transport in a Rod of Changing Length" is the title of the article.

Welcome Newcomers

Feb. 1-12

Albuquerque	Janet E. Berkanstock	3126
	*P. Susan Bishop	3126
	Bernadine Demarest	3126
	*JoAnn Mathews	3126
	A. Jane Mohon	3126
	Sandra L. Neubauer	3126
	Ginger C. Powers	3126
	Charles W. Slack	5262
	Dorothy A. Stees	3126
	Louis A. Wigley	4574
California	Emily E. Karfs, Livermore	8233-2
	*Mary A. Clay, Livermore	8212-3
Colorado	John C. Snowdon, Cortez	4543
Florida	E. Eugene Hipsher, St. Petersburg	4411
	George Kambourelis, Gainesville	1263
	Ralph Wardlaw, Jr., Gainesville	1217
Illinois	William J. Meikle, Alton	1312
	Nicholas W. Smith, Chicago	5524
	William V. Hoffman, Chicago	1615
	Howard S. Tessler, Chicago	1615
	Wilbur R. Dameron, Newark	2561
Indiana	James F. Cope, Delphi	5113
Kansas	Wayne E. Flaherty, Kansas City	1614
	Lester F. Luehring, Manhattan	1615
Kentucky	Jesse B. Allen, Lexington	5221
	Waits L. May, Lexington	1215
	Simon C. Steeley, Lexington	5232
Missouri	Allen E. Asselmier, Columbia	1431
Nebraska	Robert L. Nagel, Lincoln	1432
	*Glenn E. Andersen, Lincoln	5511
	John W. Moyer, Lincoln	5513
	John W. Kane, Lincoln	2451
	John W. O'Neill, Lincoln	1284
	Clifford F. Jacobs, Gorton	5522
Ohio	Thomas J. Wittman, Dayton	1612
Oklahoma	Joel H. Martin, Jr., Stillwater	2561
	Joe E. Phillips, Stillwater	2421
	Donald D. Tipton, Stillwater	1218
Texas	Raymond A. Mitchell, MacGreer	1611
	Robert J. Wicke, College Station	1610
	* Denotes Rehired	
Returned from Leave (Albuquerque)		
	Carolyn J. Dill	4132
	Roger B. Abbott	5254
	Pearl H. Santhory	4431
	Sabrina R. Campos	3464

Contract Let For Construction Jobs In Areas II, III

Apparent low bidder on a contract for several construction projects at Sandia Laboratory is Underwood Testman Company of Albuquerque, according to an announcement by AEC.

The contract includes construction of four gate houses, seven storage magazines and modifications to two buildings in Area II.

The gate houses, similar to the new steel and glass ones erected at gates 1 and 6 recently, will be constructed at gates 3, 4, 7 and 8.

The storage magazines will be constructed in Area III and will be small, about four sq. ft., to store small amounts of explosives.

Darkrooms and camera rooms will be constructed in Bldgs. 904 and 907 in Area II. The contract also calls for modifications of walls and roofs of the buildings and the installation of a new primary power line to the area.

Amount of the contract is \$226,600. Work is to be completed within 120 days after the contractor receives notice to proceed from the AEC.

Plant Engineering Department project engineer for the construction is J. F. Reid (4543-3).

D. M. Ellett Speaks At U. of Virginia

D. M. Ellett, supervisor of Radiation Effects Division 1626, presented a talk last week at a meeting of the student chapter of the American Nuclear Society, University of Virginia, Charlottesville, Va.

He discussed SERF, Sandia Engineering Reactor Facility, now under construction in Area III.



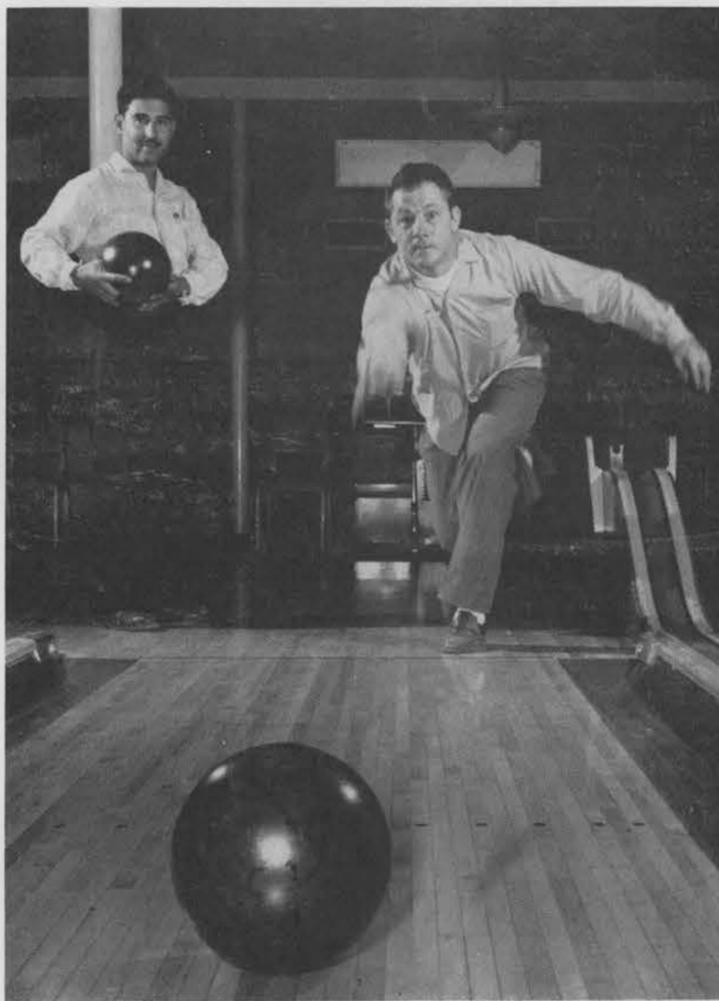
SINGLES CHAMP D. W. Whitlock (4413), top man in the recent Coronado Club bowling tournament, demonstrates his winning style as he whizzes one down the alley. He bowled 668 to beat out all competition.



CHAMPION TEAM of 15 that competed in the Eighth Annual Coronado Club Bowling tournament is pictured above with individual trophies. From left standing are Carlos Candelaria, Bob Hartenberger and F. G. Gabaldon, team captain. Seated are Johnny Chavez and Warren Buck. Team members all work in Motor Pool Division 4573. Team scored a high series of 3010.



ALL EVENTS WINNER of the recent Coronado Club bowling tournament is Edward E. Wood (5251) above. His individual scores in team, doubles and singles competition totaled 1844.



DOUBLES CHAMPS in the recent Coronado Bowling tournament are pictured above. Warren Buck slides one down the alley as Johnny Chavez watches. The men bowled a championship 1262.

Sandians to Read Technical Paper on Missile Reliability

A technical paper by Arthur M. Breipohl and William M. Sundt of Statistics and Evaluation Division 1593 will be presented this month at the Sixth Joint Military-Industry Guided Missile Reliability Symposium at Fort Bliss, El Paso, Tex. The meeting is scheduled Feb. 15-17.

"Is Mean Time to Failure a Valid Measure of Missile Reliability?" is the title of the paper.

Calendar Scientific and Technical Meetings

Feb. 19	New Mexico Bureau of Mines and Mineral Resources
American Chemical Society	Topic: "Land and Minerals of New Mexico"
Dinner: 6:30 p.m. Los Alamos Golf Club	For further information and reservations contact Harvey Holmes (1621), Ext. 31258
Technical Meeting: 8 p.m.	
Los Alamos Health Research Bldg., Lecture Hall	
Speaker: Dr. Charles E. Holley, Jr., of Los Alamos	
Topic: "Combustion Calorimetry of Metals"	
For further information contact Irving Auerbach (5150), Ext. 23266	
American Society for Metals	
Sandia Base Officers Mess	
Ladies Night	
Social Hour: 4:45 p.m.	
Dinner: 6:45 p.m. (choice of menu at \$2.50)	
Technical Meeting: 8 p.m.	
Dancing: 9 p.m.	
Speaker: Alvin J. Thompson, Director,	

Lab Basketball League Standings

(As of Feb. 12, 1960)

Team	Won	Lost
4100, 4200, 4500	12	2
1200, AEC	11	2
5100, 5300, 5500	10	3
4400	10	3
1300, 1400, 1500, 6000	7	6
1600-I, 5200	4	6
3400-I	3	8
1600-II	3	9
3400-II	3	10

To Elect Officers Of Golf Association

Officers for the Sandia Corporation Golf Association for 1960 will be elected at an organizational meeting Thursday, Feb. 25, at 12:05 p.m. in Room 155, Bldg. 836.

All employees interested in participating in league play after work or on week-ends are invited to attend, according to George Banos, Employee Services representative.

Top Ten Basketball Scoring Leaders

(Five games or more, as of Feb. 12, 1960)

Name	Team	Games Played	Total Points	Average
Paul Hershey	1200, AEC	12	259	22
Leo Chavez	3400I	5	104	21
Frank Comiskey	4100, 4200, 4500	9	151	17
Jim Sanchez	3400II	8	129	16
Ken Flynn	1200, AEC	10	154	15
Tom Patterson	4100, 4200, 4500	12	141	12
Bob Hedges	4100, 4200, 4500	9	106	12
Art McCarthy	5100, 5300, 5500	10	105	11
Pat Sanchez	3400I	9	100	11
Lon Kracko	1600I, 5200	7	80	11

Sandia's Safety Record

Sandia Laboratory Has Worked 7,655,000 Man Hours Without a Disabling Injury

Livermore Laboratory Has Worked 2,732,400 Man Hours Without a Disabling Injury