

Supplemental Life Insurance Deadline Sept. 30—Sign Your Enrollment Now!

Half-way point in the Supplemental Life Insurance enrollment period is nearing. The last day of enrollment is Sept. 30.

Already several thousand employees have completed their enrollment forms. Seventy-five per cent of the employee body must participate before the plan can be continued after Sept. 30.

Don't delay, see your supervisor for enrollment forms. The cost is small, 40 cents per \$1,000 coverage after the first \$1,000 for which the Corporation pays. Your coverage is equal to the amount of your base pay rounded off to the next higher \$1,000.

The insurance is payable on death from any cause. It pays

double if death results from accidental means and has special benefits for loss of one or more limbs or eyesight.

Read the booklet on the plan which has complete details. Ask your supervisor questions. Call Employee Services Division, ext. 52136 or 28263 for information. Sign up immediately.



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ALBUQUERQUE, NEW MEXICO

SEPTEMBER 19, 1958

Lab Fair Exhibit Takes on Bright Look This Year in Geodesic Dome

Visitors to the New Mexico State Fair, Sept. 27-Oct. 5 will find a pale green sphere, which glows at night, housing Sandia Corporation's displays of mechanical and scientific interest.

The geodesic dome, similar to those used to house radar antennae on the DEW line, is on loan from the Lincoln Labs in Massachusetts. The three-quarter sphere is 40 feet high, 55 feet wide, and is constructed of triangles of translucent Fiberglas.

The display building will be located this year on the main exhibit street opposite the Youth Building. A nine foot black metal sign with "Sandia Corporation" in foot high gold letters will identify the structure.

Inside there will be 14 displays around the sides and one in the center.

Van de Graaff Model

Counterclockwise from the entrance will be a small working model of the Van de Graaff accelerator; a continuous radiation counter and comparison with radiation values at Sandia Crest from a radium dial watch and from medical X-rays; another display will feature hi-fi music transmitted on a beam of light.

The telemetering displays will be audience-participation type with workable controls causing changes within the exhibit.

An outstanding feature will be one of the first public showings in this country of a movie by the University of California Radiation Laboratory, filmed for the Geneva Conference on Atomic Energy. The movie, "The Industrial Application of Nuclear Explosions," will deal with underground atomic explosions for the generation of power and other uses.

Halfway around the display row will be a Plasmatron, which generates gas jets with temperatures to 30,000 degrees F.—twice as hot as the surface of the sun.



MODEL OF SANDIA'S State Fair exhibit was assembled by John Leslie (4111), coordinator of the project. Materials for making the model will be given free to children visiting the displays.

Examples of use of this extreme heat will be shown.

Piezoelectric Exhibit

Two exhibits show piezoelectric devices which generate currents through sudden application of pressure or impact.

Electronic circuitry will be depicted by a number of miniaturized components made possible through use of transistors instead of vacuum tubes.

A revolving boom overhead will carry a satellite at one end, similar to that displayed at Sandia Corporation during the recent Savings Bond Drive, and a nose cone at the opposite end containing a TV camera with transmitter. The camera will photograph exhibit visitors with the image received on a TV set in the building.

A small instrument atop the dome will measure wind velocity and direction and will tie in di-

(Continued on Page 3)

Open Letter

To J. W. McRae:

Through the years it has been our privilege to print various messages from you to employees of the Corporation. Now we are reversing the procedure to relay to you thoughts of Sandia employees about your leaving. We cannot speak for each of them, but these thoughts, we feel, are shared by all.

The five years you have been "Mr. Sandia Corporation" to us have gone all too fast. From where we work at our individual jobs we can see that these have been years when your leadership has guided the Laboratory on through greater responsibilities and accomplishments. We have felt your leadership in our work and we have appreciated the sense of accomplishment and security you have given us.

One of our lasting memories of your tour of duty at Sandia will be the friendly spirit you displayed in your work with us. Your willingness to listen, advise and help has given us added confidence in performing our duties. Your daily actions proved beyond question the sincerity of your interest in all of us as fellow-men, co-workers, and friends.

Working with you has been a privilege and a pleasure. Though not all of us know you personally, we are sure we have a firm friend going into the new Vice Presidency of the American Telephone and Telegraph Company.

We wish you and your family happiness in your new home back East. To you personally we offer our congratulations on your new assignment and promise the same cooperation to your successor that we have given in the past.

The Editor

Sandia Lab Progress 'Astounding' to Atomic Energy Commission Chairman

"The events of the past seven years at Sandia Laboratory are astounding," John A. McCone, Chairman of the U. S. Atomic Energy Commission, told Albuquerque newsmen earlier this week.

Mr. McCone, who last visited Sandia in October 1951, had just spent several hours in briefing sessions at the Corporation. Appearing in the news conference with him were Maj. Gen. A. R. Luedecke, General Manager designate of the AEC, and Kenner F. Hertford, Manager of the Albuquerque Operations, AEC.

"Personally," Mr. McCone commented, "I have been overwhelmed by the great progress I have seen today at Sandia. Great credit is due the dedicated people at Sandia, and also Los Alamos and Livermore, for the magnitude of their accomplishments."

Mr. McCone was questioned on the effect a nuclear testing suspension would have on New Mexico AEC laboratories. He stated that the effects of the suspension would be practically nil as far as weapons development work is concerned.

"Test suspension will not stop research on weapons," he said.

New Mexico is the heart of the Atomic Energy Program and will

continue to be so, Mr. McCone said. "I cannot overemphasize the importance of Albuquerque to the atomic energy program," he added.

Looking to the future Mr. McCone reported that the AEC intends to place increasing emphasis on peacetime applications of nuclear energy. If full scale testing is ended this will help intensify the effort, he said.

Farewell Open House For Mr. McRae Sept. 29

An informal "open house" for J. W. McRae will be held in Rm. 100, Bldg. 880, Monday afternoon, September 29. Mr. McRae has been promoted to the position of Vice President, American Telephone and Telegraph Company, effective October 1. He will be on hand throughout the afternoon to say "so long" to those who have known and worked with him and who have not had an opportunity to chat with him since the news of his transfer was announced.

In addition to employees of the Corporation who wish to drop by, the affair is open to AEC and military personnel who are friends and acquaintances of Mr. McRae. Invitations are not required.



NEW AEC OFFICIALS visited Sandia this week for a series of orientation meetings. L to R: Maj. Gen. A. R. Luedecke, General Manager designate of the AEC; J. W. McRae, President, Sandia Corporation; John A. McCone, Chairman, Atomic Energy Commission; and Kenner F. Hertford, Mgr., ALO.



Sandia Corporation Has Worked
50 Days
Without a Disabling Injury

HERE'S WHY...

Here's Why —

Sandia Corporation employees know that no job is so important and no service is so urgent that we cannot take time to perform our work safely. Don't plunge into eternity to save a minute. Risks taken to save a fraction of a second may turn into a permanent reminder to you of the danger ever present in unsafe practices.



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Why Learn First Aid?

Red Cross Training Prepares For An Unexpected Accident

Editor's Note: A. Burton Metzger, Corporation Safety Director, who provided material for this article, was the first person in Western Electric Company to be awarded the American Red Cross First Aid and Life Saving Service Medal.

Sandia Corporation is again offering first aid training to its employees. Classes begin Tuesday, Sept. 23 at 7 p.m., lasting two hours. These classes offer an outstanding opportunity for employees to become proficient in first aid methods under the tutelage of fellow employees who are approved Red Cross instructors.

The question "Why take a first aid course" was put to A. Burton Metzger, Corporation Safety Director. Mr. Metzger, who has long been an advocate of proper training in first aid methods answered the question, drawing on some of his personal experiences.

Defining "first aid" as the bridge between the time an accident occurs and the time the patient is delivered into the hands of competent medical or surgical attention, Mr. Metzger describes the trained first aider as the man who carries the injured person across the bridge.

Following are some of Mr. Metzger's comments and observations on the value of first aid training.

First aid is more than applying a splint or wrapping a bandage. It calls for skills and techniques which can be applied on the spot.

It seems to be a normal human tendency to immediately want to move an injured person somewhere—anywhere. The injured person, suffering from shock, sometimes feels compelled to get away from the scene. Unless he is unconscious

he frequently will exert every effort to do so. The trained first aider will not allow this. He will act promptly and efficiently to protect the injured person from his own frightened actions.

Mr. Metzger recalls instances when he has arrived at accidents too late to prevent an injured person from being moved. He describes it as a terrible sense of helplessness, to feel that perhaps a fractured spine, a broken neck, or even a simple fracture is being complicated by good intentions of an untrained person.

An incident in Baltimore he recalled involved a fireman who was thrown from a truck. He was picked up by a motorist and rushed to a hospital. A simple fracture of the fireman's leg was complicated by untrained handling of the motorist. The man lost the use of his leg.

First aid knowledge is something a man or woman carries with them at all times, he points out. The first aider is rewarded when he realizes that his knowledge has prevented a lasting injury—or maybe death.

The evening school booklet distributed recently in the bookracks contains an enrollment blank for the first aid classes. Further information may be secured from General Training and Education Division, ext. 31261.

Prepare yourself for the emergency that may come at any time, Mr. Metzger urges.

Congratulations

Born to:

Mr. and Mrs. Alan Netz (5241) a daughter, Anne Marie, on Aug. 27.

Mr. and Mrs. Fred Millsap (5241) a son, David Britt, on Aug. 27.

Mr. and Mrs. Jack Armbrust (3210) a daughter on Sept. 8.

Mr. and Mrs. William C. Gallagher, Jr. (3243-2) a son, William Coulter III, on Aug. 10.

Mr. and Mrs. Loyd L. Tackitt (2461-2) a son, Bernard L., on Sept. 3.

Mr. and Mrs. Carl Johnston (2514) a son, Timothy Gragg, on Aug. 23.

Mr. and Mrs. Michael Zownir (2152-2) a daughter, Melody Fran, on Sept. 1.

Mr. and Mrs. Chris Padilla (7411) a son, Christopher John, on Aug. 26.

Mr. and Mrs. Carl Frostenson (2533-1) a son, Nels Arne, on Sept. 10.

Mr. and Mrs. John Martinez (2243) twin daughters, Veronica and Victoria, on Aug. 24.

Qualified Fishermen

When 40 Boy Scouts go out after their fishing merit badges even a minnow had better watch out. Johnny Perea (2551-3) took his troop to the Jemez country for a 10-day outing.

Many worms and many rains later the youngsters had a catch of 58 fish, all averaging about 12 inches.



Frieda Salazar—5000

Take a Memo, Please

"Teaching the world to be careful is a constructive service worthy of God's great gift of life to man" is a quotation from U. S. Supreme Court Justice Harold H. Burton. Being careful yourself is an admirable thing, but recognizing dangers to other persons is even a greater service.

Weddings and Engagements

Wedding bells will ring tomorrow for Joan B'odgett and William E. Walker who will recite vows at the Central Methodist Church.

Following a honeymoon in Mexico, the couple will be at home at 2333 Valencia NE.

Joan has been at Sandia since October 1954 and Bill preceded her by seven months. Both are in 5143.

Members of 2466-2 held a noon hour bridal shower for the former Leta Hartman, who was married recently at Manzano chapel to Airman Johnny Camron of San Angelo, Tex.

Leta has worked for Sandia Corporation over two years.

Now at home at 1519 W. 5th St., Livermore, are Mr. and Mrs. Max Beavers following a brief



Mr. and Mrs. Max Beavers

honeymoon at Catalina. The couple was married Aug. 24.

Mrs. Beavers, the former Pat Chappell (8212-3), joined the Corporation in June of this year.

Earns Master's Degree

Five years of study in night school has culminated in a Master's degree in Physics for Dale Richey (1544).

The degree was awarded Dale at Brigham Young University in Provo, Utah, although part of his study was here at the University of New Mexico. Dale's Bachelor's degree in Physics was also from BYU.

He has been a physicist in Systems Development Division II for five years.



SMALL ELM TREE in front of Bldg. 890-E represents a lot of tender, loving care. Ronald K. Skelley (2232-5) applies tape and wooden brace to repair wind damage. Sprig flourishes on water it receives from the drain of a drinking fountain.



PARCEL OF PEACHES, 16 growing on a single branch, is displayed by J. E. "Ed" Eslinger (2418) to Anne Toth, left, and Mabel Kinney (both 3122-2). The fruitful branch was cultivated in Ed's back yard at 1828 Del Norte SW and is part of a four bushel yield.

Patricia Luetkehans Helps UNM 'Dames' Host Student Wives

The University of New Mexico "Dames" Club will hold its annual new membership meeting on Sept. 27 with wives of students at the University invited to attend.

Patricia Luetkehans (7226-1), former president of the club, is helping with plans for the "get acquainted" meeting to be held at 2 p.m. in the Lobo room of the University Student Union.

Also invited are faculty wives, mothers of students and married women students.

Further information on the organization or the first meeting of the fall may be obtained from Patricia at ext. 27131 or AX 9-5187.

Willow Run Symposium

Joe Hankins, Joe Weihe and Stoughton Bell (5122) recently attended a symposium at Willow Run Laboratories, Ann Arbor, Mich., on the subject "Prediction of Performance of Large Scale Systems."

Welcome Back

Employees in Department 2510 have welcomed back Mel McCutchan (2511) after an extended absence due to illness.

Lloyd Jolly has recently returned to work in Branch Shop Assembly Section 2121-1 after convalescing from major surgery.

New Homes

Members of the Library staff (7221-1) took pot luck dinner with Lee Parman (7221) and his wife recently at their new home at Sandia Park.

Other new home owners include Jim Gallagher (5143) and his family, now residing at 2900 Florida St. NE.

Darrel Brown (3152-1) and Mrs. Brown have moved into their new adobe home in Corrales.

There's also a new address for H. E. Harling (TDSR in 5250) and his family, who are now residing at 910 Rio Vista Circle SW.

Stanley D. Spray (1262-2) has moved into his new home at 11605 Baldwin Ave. NE.

Dorothy Evans (2722) and her husband, Willard, are proud owners of a new home at 533 Tennessee SE.

At Livermore three families have moved into new homes. The E. A. "Skip" Bacas (8122-1) now are located at 1115 Aberdeen Ave., John A. (8113-1) and Bessie Roach (8223-2) have moved to 321 Scott St., and the Howard J. Smyths (8223-1) are residing at 166 Oliver St., Mission San Jose, Cal.

Recent transferee Phil Leiserson (8212-2) has moved into his new home at 1525 167th Ave., San Leandro, Cal.

New Son

There's a new member in the Charles Abeyta household. "Charley," who works in 2711-8, and his wife have just adopted their third child, a boy.

Desert Denizens Needed

Small children quick enough to catch lizards and horned toads have a new chance to put their skill to good use. M. J. Davis (5513) reports that these desert inhabitants are again needed for the Quality Assurance exhibit at the State Fair.

One previous such occasion M. J. was literally deluged with crawling and jumping critters, but with cooler weather the lizards and horned toads may be scarcer. M. J. can be reached during the day at ext. 21142.

Sympathy

To James A. Kenagy (2124) for the death of his brother in Santa Monica, Cal., on Sept. 2.

To Joe Davidson (5513-2) for the death of his four-year-old daughter on Sept. 8 from leukemia.

To Frank Suazo (2474) for the death of his father recently in Abiquiu.

To Arthur Ahr (3152) for the death of his father recently in Albuquerque.

To Ann A. McClelland (2111-2) for the death of her mother recently.

To Dorothy Wiemken (8212-3) for the death of her brother on Aug. 30.

To Clifford Erickson (8114-1) for the death of his father on Sept. 7.

To John Thorpe (8212-1) for the death of his father in San Francisco on Sept. 7.

(Continued from Page 1)

Fair Exhibit Has Bright Look

rectly with the meteorology display inside.

Still another exhibit will show in color the steps involved in erection of geodesic structures.

QA Display

Center cabinets will contain the Quality Assurance display of environmental conditions previously shown during Armed Forces Day and during the recent AEC-ALO open house.

Two "handouts" will be available for the fair visitors. A brochure "State Fair Science Notes" will describe the Sandia displays to students and adults. The handbook will be available to the left of the entrance where there will also be a world map showing the extent of the distribution and exchange of information between Sandia Cor-

poration and other agencies, firms, scientific and educational institutions.

For the children there will be a model of the geodesic structure which can be assembled by using scissors and tape. These models have already been placed in business houses, banks and public buildings to advertise Sandia's exhibit.

Chairman of the State Fair committee is T. B. Sherwin (3125).

Coordinator for the fair exhibit is John Leslie (4111), with assistance on technical problems given by W. A. Gardner (1610), George Power (2441), Wally Ives (2463), R. E. George (2413), Hardin Simmons (2413), Omar Heins (2443), W. F. Carstens (7223), A. B. Metzger (3210) and Brian Finley (3125).

Arrangements for individual exhibits have been handled by: R. R. Berner (5150), Harold Rarrick (3161), R. W. Healy (1626), L. L. Lathrop (5215), R. H. Gablehouse (5223), E. W. Kersten (7113), K. L. Shipley (5141), George Ingram (5132), Arthur Hill (1464), N. J. Eich (1462), H. J. Plagge (5232), M. J. Davis (5513) and H. J. Bowen (5212).

UK Scientists Meet at Sandia

Technical representatives of the United Kingdom met at Sandia this week with representatives of United States nuclear weapons laboratories. The meeting was the second in which the representatives of the two nations exchanged technical information on atomic weapons as provided for in the recent revision of sections of the Atomic Energy Act of 1954.

United States scientific groups represented were Sandia Laboratory, University of California Radiation Laboratory, Los Alamos Scientific Laboratory, Division of Military Application and Military Liaison Committee of the U. S. Atomic Energy Commission.

The first exchange meeting was held in Washington Aug. 27-29.

Heading the UK delegation was Sir William Cook, a member of the United Kingdom Atomic Energy Authority. Washington groups were headed by Brig. Gen. A. D. Starbird, Director of DMA, and Maj. Gen. H. B. Loper, Chairman of MLC.

Sandia Corporation representatives were J. W. McRae, President; R. W. Henderson, Vice President, Development; L. A. Hopkins, Director of Component Development; W. J. Howard, Director of Systems Development at Livermore; and E. H. Draper, Director of Systems Development at Sandia.

Bob Finlayson New CO of Navy Reserve Squadron

From Hellcats to Banshees is the flying history of Bob Finlayson (8131-2), who was assigned command of U. S. Navy Reserve jet fighter squadron VF-873 recently.

Bob flew Hellcat fighters in the Pacific during World War II, winning two Distinguished Flying Crosses, nine Air Medals, and a Purple Heart. A reserve commander, Bob and his men flew F2H-3 Banshees during their recent two week tour of duty at Oakland Naval Air Station.

Bob has been a mechanical engineer at the Livermore Branch for a year.

A veteran of 16 years in the Navy, Bob flew photo reconnaissance in combat during both World War II and the Korean conflict.

ISA Delegate

E. L. Deeter (1540) is a national delegate for the forthcoming Instrument Society of America conference in Philadelphia. He formerly served as vice president of district 8.



GEODESIC DOME 40 feet high will house Sandia Corporation's 1958 State Fair exhibit. The sphere shaped structure will be constructed of triangular panels and will be located on the main exhibit street at the fairgrounds. Many visitors are expected.

Boy Scout Adventure

Bruno Paoletti (2152-3) and his wife spent their vacation taking a group of Boy Scouts on a camping trip—and high adventure it was.

The 12 youngsters, aged 14 and up, had been working since last Christmas to earn money for the trip and they had \$450 saved up.

The boys and four adults camped at Boulder Beach on Lake Mead and made side trips to Las Vegas, Boulder Dam and Camp Mercury. At Camp Mercury they were given the "red carpet" treatment with tours through Yucca Flat, Frenchman Flats and a briefing and tour through the Radsafe Laboratories.

Get Well Wishes

Wishes for a speedy recovery are extended to Ray Clark (2511), who underwent two operations recently.

Convalescing at home is Laurene Dubuque (5125), who suffered a neck injury in an auto accident last month.

Get well wishes are extended to Crystal Brooks (4135) by her co-workers in 4135 and 4131.

Lu Nelson's friends in 8221-1 sent her their get well wishes recently. Lu has been ill for the past few weeks and is now convalescing at home.

Best wishes for a speedy recovery are sent to J. N. Garcia (2131), L. B. Stemporzewski, R. C. Jaramillo and M. A. Tillman (all of 2133).

Fellow employees of Lorenzo Duran in Project Assembly and Paint Section 2121-2 wish him a speedy recovery from recent surgery.

Wedding Anniversaries

Congratulations to Mr. and Mrs. William W. Olheiser (2145) who will celebrate their 19th wedding anniversary on Sept. 23.

Sylvia Weinberg (7225) assigned to 5125 and her husband will mark their 14th wedding anniversary on Sept. 28.

Mr. and Mrs. Reginaldo Ortiz (7423) will be celebrating their 13th wedding anniversary on Monday.

Mr. and Mrs. Merrill Gentry (2243) celebrated their 25th wedding anniversary with a two week trip to northern Colorado and a visit in Loveland, where they were married and lived for 10 years.

SNT Picnic Sept. 21

Deadline for reservations to attend the annual family picnic of the Los Alamos Section of the Society for Nondestructive Testing is 5 p.m. today. Max Littleton (5111) reports.

The picnic will begin at noon at the Los Alamos picnic ground Sunday, Sept. 21. Cost for adults is \$1.

For further information and reservations contact Max, ext. 46138.



MARINE ENVIRONMENTAL testing is an important function of Quality Assurance. M. J. Davis and Mary Pasko (both 5513) put finishing touches on one part of the QA exhibit for the State Fair.

Mountain Club Planning Colorado Aspencade on Weekend of Sept. 27-28

One of the annual highlights of the New Mexico Mountain Club activities is the Aspencade to southwestern Colorado during the height of the fall colors. This year the trip will be taken the weekend of Sept. 27-28.

For sightseeing and color photography this trip is tops. Reservations must be made with Irving Auerbach (5150), ext. 51153, by next Wednesday afternoon. Non-members are welcome on the trip.

This Sunday a practice rock climb will be held with instruction available for both beginners and more experienced climbers. Interested persons will meet at the Nob Hill parking lot at 8 a.m.

Lee Parman Elected

The Council of Technical and Scientific Societies last week elected Lee Parman (7221) as its president. He represents the Society of Technical Writers and Editors.

Other new council officers include: vice president, Chet O'Neal (5511) of the American Society for Quality Control; secretary, Byron Wickett (1624) of the American Society of Mechanical Engineers.

The new president reappointed Max Weber (5121) and H. B. Young (7422) as editor and associate editor, respectively of the Council's publication, Tech Activities.



LEADING SCIENTISTS and military officials from the United States and the United Kingdom met here this week to exchange nuclear weapons design information. From left are: Brig. Gen. A. D. Starbird, Chairman of the U. S. Delegation and Director Division of Military Application, AEC; R. W. Henderson, Vice President—Development, Sandia Corporation; Dr. N. E. Bradbury, Director, Los Alamos

Scientific Laboratory; Sir William Cook, Chairman, United Kingdom Delegation and Member of the Atomic Energy Authority; Dr. Edward Teller, Director, Livermore Laboratory of the University of California Radiation Laboratory; and Maj. Gen. Herbert B. Loper, Assistant to Secretary of Defense for Atomic Energy. The group had a series of meetings lasting several days with Sandia personnel.



THERMAL BATTERY RESEARCH SYMPOSIUM was held at Sandia Corporation last week. Attending were scientists from civilian and military agencies all over the United States. Organizations 1461 and 5151 were hosts for the three-day discussion meeting.

Annual Navajo Fair Exhibits Field Test Work

As Indians from the vast Navajo Reservation gathered in Window Rock, Arizona, for the annual Navajo Fair last week, Sandia Corporation personnel were manning a display booth to tell the story of the proposed Navajo Test Range.

A movie showing Sandia field testing activities and narrated in Navajo tongue was shown and a large painting of the proposed range was shown. Other Sandia displays included a piezoelectric strength tester first displayed at the Armed Forces Day exhibit on Sandia Base, a closed circuit TV, a "hear and see your voice" display, a gyroscope exhibit, a satellite display made similar to the one used for the Savings Bond drive at Sandia, a strain gage output exhibit and a device utilizing circular magnets mounted on a lucite rod to appear as an air-spring.

The exhibit was prepared under the direction of W. T. Moffat (5240). W. V. Hereford (5241) coordinated activities and directed the display at Window Rock. Assisting were G. L. Miller (5243), D. G. Beatson (5216), V. E. Baker (5216), V. A. Harris (5216), S. A. McCollum (5216), L. L. Lathrop (5215) and G. E. Ingram (5132).

Livermore Branch Employees Help in Hospital Campaign

Livermore volunteers working in connection with a proposed 46-bed hospital for the Livermore-Pleasanton area include W. J. Howard, Director of Systems Development at Sandia's Livermore Branch, and L. E. Hollingsworth (8120), Engineering Department Manager.

Mr. Howard is a member of the site acquisition committee for the valley memorial hospital.

Mr. Hollingsworth is chairman of the residential and industrial collection drive. W. A. Jamieson (8212) will assist in the residential portion of the drive.

Efforts will be made to raise \$525,000 in contributions from residents in the two communities. Combined with substantial state and federal grants, the money would be used to purchase a hospital site and to construct a 24,000 square foot building, with future expansion possible.

The hospital would include 32 beds for medical and surgical cases, 10 beds for maternity cases, and four beds for pediatrics.

Caravan Club Meets In Business Session

Final nominations for new club officers will be made at the monthly business meeting of the Amateur Radio Caravan Club of New Mexico Sept. 24, reports Brian Ward (1262), secretary. The meeting will begin at 8 p.m. in the radiation laboratory at Lovelace Clinic.

School Official to Speak Before Albuquerque Technical Writers

"Who Should Be Educated," a talk by Dr. E. R. Harrington of the Albuquerque Public School System, will be presented at a meeting of the Albuquerque Chapter of the Society of Technical Writers and Editors Tuesday, Sept. 23. The meeting will begin at 7:30 in the Staff Dining Room of the Coronado Club.

For reservations call John Cowan (7123) ext. 21148.

Livermore Employees Pledge \$4,852 to United Crusade

Livermore Laboratory's contribution to date to the United Crusade is \$4,852, Campaign Chairman William A. Little announced. Goal for the entire city of Livermore is \$25,000.

The average contribution was \$13.36 from the 92.6 per cent of employees who participated. There were 392 employees solicited of the 427 on roll. Absent employees will be solicited later.

These figures represent employee contributions and do not include the corporate gift.

R. E. Hampy Outlines Capacitor Problems In IRE Publication

An article by a Sandia author describing the explosion hazard of aluminum electrolytic capacitors appears in the September-October issue of *The Blast*, official publication of the Albuquerque-Los Alamos section of the Institute of Radio Engineers.

Written by R. E. Hampy (1542-1) the article describes the characteristics of aluminum electrolytic capacitors and the precautionary measures that should be taken in using them.

University of New Mexico Announces Fall Offerings of Evening Credit Courses

Numerous credit courses of interest to Sandians are scheduled evenings and Saturdays by the University of New Mexico Community College.

Registration is today and tomorrow in Johnson Gymnasium on campus with the fall semester starting Monday.

Information may be obtained from Sandia's Staff Training and Education Division 3123, Bldg. 301, or from the Community College office in the University Administration Bldg., second floor, room 208. From Sept. 22 through Oct. 4 the university office will be open from 6-8 p.m. Monday through Thursday and 8 a.m. to noon Saturday for the convenience of those not able to visit the office during the day.

Included in the evening schedule are the following courses:

Business Administration
 Business Statistics, Business Law, Corporation Finance, Advertising, Principles of Organization and Management, Transportation,

Thermal Battery Research Symposium Attracts Nationwide Attendance

Sandia Corporation last week played host to the Thermal Battery Research Symposium, a group composed of scientists from military and civilian agencies.

The symposium was the second for the group with the first meeting held at Sandia Corporation in October 1956. C. W. Jennings (1461) and F. P. Hudson (5151) arranged the program.

Attending the meeting, which was held Sept. 10-12 in Room 100, Bldg. 880, were:

Dr. Adolph Fischbach, Power Sources Division, U. S. Army Signal Research and Development Laboratory, Fort Monmouth, N. J. and John E. Teti of the same organization; W. C. Spindler, U. S. Naval Ordnance Laboratory, Corona, Calif.; I. D. Yalom, U. S. Naval Ordnance Laboratory, White Oak, Silver Spring, Md.

Dr. D. J. Doan, Couples Plant, Eagle Pitcher Company, Joplin, Mo., and Roger Hughes of the same organization; Dr. G. F. Zel-

hoeffer, Ordnance Development Department, Eureka Williams Corporation, Bloomington, Illinois; Cleon L. Williams, Pass and Seymour, Inc., Solvay Station, Syracuse, N. Y.; Dr. Richard C. Evans, Electrochemical Research Department, Olin Mathieson Chemical Corporation, New Haven, Conn. Ralph T. Mead, Wurlitzer Company, North Tonawanda, N. Y.; Prof. R. D. Walker, Jr., Dept. of Chemical Engineering, University of Florida, and Prof. Charles E. Huckaba of the same organization; Nathan Kaplan, Diamond Ordnance Fuze Laboratory, Washington, D. C., and Dr. I. A. Denison of the same organization.

Dr. Elmer S. McKee and Dr. Sidney M. Selis of the Catalyst Research Corporation, Baltimore, Md.; Dr. H. A. Laitinen, Dept. of Chemistry, University of Illinois; Robert Bunde, Minneapolis-Honeywell Research Center, Hopkins, Minn.; Dr. George E. Evans, National Carbon Research Laboratory, Parma, Ohio.

Elimination of Human Error Is Best Way To Improve Weapon Reliability

The most significant improvements in nuclear weapons reliability can be made by eliminating or reducing possibilities of human error in manufacturing, storage maintenance and operational handling, L. J. Paddison, Director of Reliability Development (1500), told a technical group meeting in Los Angeles last week.

The talk, "Some Aspects of the Reliability Problems in Nuclear Weapons" was presented to the Institute of Radio Engineers Professional Group on Reliability and Quality Control on Sept. 15. Mr. Paddison will present the same talk in San Francisco on Oct. 13.

Mr. Paddison emphasized three points bearing on the reliability problem: (1) Engineering of the

design to consider the human user, (2) consideration of the human element in quality control of manufacturing processes, and (3) automation of the testing processes and the reduction of the data obtained.

He discussed the use of Sandia's IBM 705 in reliability activities and the Sandia-developed Automatic Programmer and Recorder (APAR) computer that controls tests on weapon components, and reports the results of such tests.

"The utilization of this device in the appropriate stages of development, production and quality assurance testing will significantly improve the accuracy of our data and the control of our product," Mr. Paddison said.

Voters May Register At Special Booths On Sept. 20 and 22

Representatives of the county clerk's office will set up voter registration booths at Sandia tomorrow and Monday. Employees who are otherwise eligible to vote and who have not previously registered will have an opportunity to qualify for voting in the Nov. 4 general election. Deadline for registration is Oct. 6.

From 10 a.m. to 2 p.m. Saturday, Sept. 20, the registration booth will be open in the lobby of the Coronado Club. Monday, Sept. 22, the officials from the county clerk's office will take registrations in Bldg. 829, the Employee Services Department. They will be on hand from 9 a.m. to 3 p.m. including the noonhour.

Residents of the AEC housing area are eligible to vote in New Mexico if they meet other length of residence requirements, but those who live in the Wherry and Military housing areas are not eligible. Residence requirements are: one year in the state, three months in the county, and one month in the precinct. Those who voted in the last general election or the special election last fall need not re-register.

Three Papers Placed Into Reprint Series

"The Use of Meteorological Data by Sandia Corporation," a technical paper by H. J. Plagge (5232) was issued this week as a Sandia Corporation reprint. The paper was read by Mr. Plagge at the Second National Conference on Applied Meteorology at Ann Arbor, Mich., earlier this month.

The paper describes instrumentation used in gathering meteorological information in connection with Salton Sea drop tests.

A do-it-yourself article first appearing in the May issue of QST, national journal of the American Radio and Relay League, has also been made a Corporation reprint. Written by A. D. Middleton and J. M. Stueber (both 5224), the article describes a method of building a printed circuit modular unit.

A testing technique for printed circuits is the subject of Corporation Reprint, "Temperature Rise vs. Current Rise of Etched Wiring Lines." The article, written by R. P. Noble (1462), first appeared in the July issue of Electrical Manufacturing. The test technique described provides more accurate and practical data for design use.

Sign-Up Heavy for Red Cross First Aid Training Courses

The first Red Cross first aid training course to be offered to Livermore Branch employees got underway recently.

The five-week course, taught by Ray Sheppard (8133-2), is being held for two hours every Wednesday evening. A Red Cross certificate of completion will be issued to those who successfully complete the course.

Forty-eight employees signed up for the course. Since classes are limited to 25 persons, a second course is slated to begin Oct. 22.

MP Officers Ask Prompt Reporting of All Base Accidents

Sandia Corporation employees are reminded that if they are involved in a vehicle accident on Sandia Base, the incident, no matter how slight, should be reported immediately to the Military Police.

Participants should remain at the scene of the accident and vehicles should not be moved, according to Base Regulation No. 44.

The telephone number to report accidents is ext. 38218, Provost Marshal Desk Sergeant.

Fiscal Policy and Business, Research in Business.

Accounting
 Principles of Accounting 5B, 6B, Intermediate Accounting, Cost Accounting, Auditing — Advanced, Advanced Accounting.

Chemistry
 General Chemistry 1B, General Chemistry Lab 1L1, 1LJ, 1LK, General Chemistry, General Chemistry Lab 2LD, Physical Chemistry, Structure of Matter, Inorganic Chemistry, Radiochemistry.

Chemical Engineering Seminar
Civil Engineering
 Strength of Materials 102A, 102D, Strength of Materials Lab, Advanced Strength of Materials, Structural Design III, Reinforced Concrete Design II.

Electrical Engineering
 Fundamentals of Electric Circuits, Fundamentals of Electric Circuits Lab, Seminar, Transients in Linear Systems, Electromagnetic Waves, Advanced Network Analysis.

Mechanical Engineering
 Dynamics 106A, 106B, 106C, Mechanical Equipment of Buildings, Advanced Heat Transfer, Mechanical Vibration.

Mathematics
 Intermediate Algebra 2D, 2E, 2F, College Algebra, Plane Trigonometry, Calculus and Analytic Geometry 50C, 50D, 51C, 52D, 52F, Introduction of Modern Algebra, Foundations of Secondary Mathematics, Advanced Calculus, Applied Advanced Calculus, Point Set Topology, Theory of Functions of a Complex Variable, Principles of Applied Mathematics, Advanced Topics in Algebra, Theory of Functions of a Real Variable.

Physics
 General Physics, General Physics Lab 63LO, 63LP, Optics Lab and Geometrical Optics, Analytical Mechanics, Atomic and Nuclear Physics, Contemporary Physics, Methods in Theoretical Physics (Advanced), Electrodynamics, Quantum Mechanics.

Service Awards

10 Year Pins

Five Year Awards

Sept. 22-Oct. 3

Silas Dean Shane 2411, R. L. Schellenbaum 5113, Diana V. Gonzales 5512, James L. Rogers 1521, Lewis B. Barger 1451.

Two Year Certificates

Sept. 20-26

Bettye J. Abernethy 7225, Lydia E. Candelaria 7225, Norman L. Brisbin 5513, Larry E. Bowen 2153, Patricia L. Mann 8212, Nick Padilla 2461, William R. Caldwell 2551, George R. Read, Jr. 1591.
Willie B. Robertson 2131, A. L. Johnson, Jr. 2132, David E. Salas, Jr. 7233, George C. Garcia 1614, E. Irene Ward 2461, Robert W. Corwin 5113, John C. Jordan 1613.
Linus L. Phillips 7242, Gloria M. Vetter 7225, Elewene Shannon 2222, Paz C. Lopez 2711, Thomas C. Gallagher 3124, Jesse W. Williams 2153, W. Schuessler 2132.

Sept. 27-Oct. 3

Pilar P. Llamas 4344, E. R. Henderson 7423, Palma E. Oliva 7423, Theodore J. Saselli 8222, Henry F. Ward, Jr. 1472, L. D. Phillips, Jr. 5214, Leo S. Maddy 5214, Geomy Pohl 7231, Melvin L. Hill 7411, James R. Park 1451, Oscar E. Carter 5533, Donald R. Johnson 1621, Herman J. Stein 5150, Wayman H. Phelps 2413, L. E. Williams 2131, Grover J. Uhl 2132, Burnett Day 7315, Christian F. Schroeder 1621.
Erwin G. Stewart 2411, R. Eileen Zimmerly 4323, Angela D. Granger 4332, Odellio J. Otero 2711, Alfred D. Foster 5144, Mary E. Len Smith 3151, Gary G. Swagerty 7323, R. L. Terwilliger 7316, Leonard L. Motichko 2234.



B. E. Van Sickle
2723
Sept. 24, 1948



Wayne E. Brookshire
1225
Sept. 27, 1948



Alfred L. Romero
7311
Sept. 28, 1948



Frank Castillo, Jr.
2721
Sept. 29, 1948



Robert J. Kraus
2222
Sept. 20, 1948



Bessie L. Passmore
7423
Sept. 20, 1948



Robert J. Schick
8113
Sept. 20, 1948



John R. Halliday
1411
Sept. 21, 1948



Dale L. Fastle
5232
Sept. 27, 1948



Leslie E. Cox
2124
Sept. 28, 1948



Herman Chaves
2412
Sept. 29, 1948



Teddy Chaves
2232
Sept. 29, 1948



Harold E. Crissey
2413
Sept. 7, 1948



Jessie H. Burns
8122
Sept. 20, 1948



John C. Robinson, Jr.
5531
Sept. 20, 1948



Glenn C. Ryan
5512
Sept. 20, 1948



James M. Winter
2418
Sept. 24, 1948



Nicholas S. Perea
7232
Sept. 24, 1948



John K. Merillat
3151
Sept. 28, 1948



Robert J. Piper
5532
Sept. 28, 1948



Harold P. Baecker
2525
Oct. 1, 1948



Donald S. Bliss
2533
Oct. 1, 1948

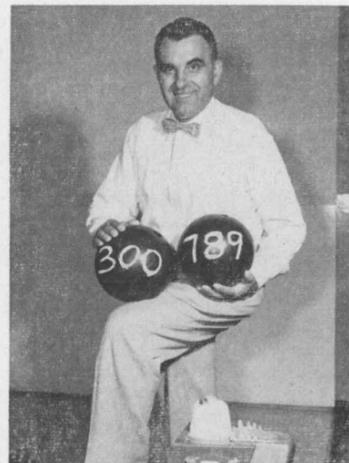
Rudy Vinovich Scores Perfect Game For Second Time in Bowling Career

Rudy Vinovich (2711-8) has bowled two 300 games in his 25 years of bowling—one 20 years ago and the other two weeks ago.

The lefthanded bowler rolled his perfect game and then threw five more strikes before his streak ended giving him a 244-300-245 series, or 789 total.

Rudy, who belongs to three major league bowling teams, bowls three nights a week and carries an average of 195.

To help open a new bowling alley last month Rudy was asked to play two matches with Stan Thayden, one of the nation's top bowlers who has appeared nationally on TV. Rudy beat him in the first three game series 611 to 576, but lost the next match 626 to 584.



Rudy Vinovich
—another perfect game—

SPIE Meets Tonight

The Albuquerque Chapter of the Society of Photographic Instrumentation Engineers will meet tonight at 7 p.m. at Sandia Corporation's Telescope Building on the East Mest, according to John Keller (5255), president.

Dan Parsons (5224) and Irv Lenz (5224) will present tape recordings of a recent SPIE convention in Los Angeles.

Anyone interested in photography or instrumentation is invited to the meeting.

License Exams to Be Given Radio Operators

Examinations for all classes of commercial, amateur extra and amateur general radio operator licenses will be conducted by the Federal Communications Commission Saturday, Oct. 4.

Exams for commercial licenses will begin at 8 a.m. and amateur exams will start at 11 a.m. at Albuquerque High School, 110 Broadway NE.

Flag Football Season To Open Soon; Teams Now Being Organized

Flag football season at Sandia will get underway Sept. 22, according to Employee Services (3122). Plans call for eight to 10 super-intendency teams to compete in league play. Games will be held Monday through Thursday evenings on Sandia Base football fields.

Any employee interested should contact his organization's representative who is listed below:

1200	L. A. Parker	32158
1400	Pat Moore	22159
1500	J. E. Martindell	47154
1600	Vern Kemp	46249
2100	Larry Bowen	44136
2200	David Chavez	24239
2400	Nick Tarnawsky	34139
2500	Harvey Morse	26144
2700	Arthur Finlayson	43149
3100	Lloyd Strosnider	29157
3200	Employee Services	29157
4100	Ernie Chavez	45252
4300	Employee Services	29157
5100	Jim Tichenor	27155
5200	Dan Power	47257
5500	Ron Bump	32466
7100	John Foster	44157
7300	Employee Services	29157
7400	Larry Tabor	42272
AEC	Archie Smart	51151

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

TRAILER HITCH, \$50; gas heater, \$25; bunk beds, \$12; swing gym set, \$20; automatic washer, \$35; clarinet, \$35. Fossum, AL 5-0535.
JUNGLE CARBINE, .303 British, 7 lbs., 20 1/2" barrel, \$23; Webley .45 ACP revolver, \$15. Donaldson, ext. 45240.
COFFEE MAKER, GE automatic, \$10; Bennett junior vegetable juicer, \$100; pressure saucer, 4 qt., \$2.50; sandwich grille, \$4.50, misc. Anderson, AX 9-4616.
POWER MOWER, reel type, just overhauled, off-season price, \$35; grey Kroehler sofa, clean and sound, \$25. Sherwin, AL 5-8866.
STOVE, 4 burner gas stove and connecting pipe, \$35. York, AL 5-3097.
PARAKEETS and large cage. Sale or trade. Chavez, AL 5-5461.
'56 PLYMOUTH Fury, one owner, power-flite, whitewalls, white with gold trim, make an offer. Strawderman, AM 8-1285.
CHIHUAHUA PUPPIES, AKC registered, 7 weeks old, very small, show type, \$60 and \$75. Cowan, CH 2-1052 after 5 p.m.
BENDIX WASHER, Dialmatic, \$35. Renfro, AL 5-9554.
'56 WASHER, Hotpoint, recently serviced, \$75. White, DI 4-6076 after 5:30 p.m.
'49 STUDEBAKER pickup, R&H, O'drive and overload springs, \$200 or 1951 Buick Super. Trumpet, \$40. Randle, AL 6-1747.
26" BOYS BIKE, Schwinn Corvette, \$65; Schick Powershaver electric razor, \$25. Both new, fully guaranteed. Fosmo, AM 8-8563.
PICTURE TUBE, RCA, for 17" TV, \$19.50; set (4) 29" black wrought iron hairpin legs, \$3. Young, CH 3-9141.
ROCKER, green plastic, \$25; large Lane cedar chest, make offer; grey frieze hide-a-bed, \$75. Adams, AL 6-5943.
GAS RANGE, apt. size, equipped with clock, panel light, glass door, thermostat, \$30. Oberst, AX 9-6644, 9216 Arvada NE.
DALMATIAN PUPS, one female, one male, 2 1/2 months old, reasonable. Minnear, DI 4-5419.
DAVENPORT and matching chair, two table stands, two end tables, bird cage with stand, reasonable. Thiel, 4928 Idlewild Lane SE, AL 5-9056.
BUILDING? REMODELING? Steel casement windows, 2 1/2' x 3' and 3' x 3 1/2', screens and venetian blinds. Lemmon, AL 5-2028.

REFRIGERATOR, 10 cu. ft. with 40 lb. across-the-top freezer, \$100. Pope, 816 Val Verde Dr. SE, AL 5-6702.

KNITTING MACHINE, free lessons, Mrs. Gallegos, AM 8-0931.

BATHINETTE, \$15. Schaefer, AX 9-7558.
TABLES, light finish, two-tier end, end and coffee, glass tops on two. Best offer. Hodyke, AL 6-5210.

OUTBOARD RUNABOUT 15' fiberglass hull and deck, steering wheel and controls. Complete with trailer, \$300. Yearout, 10421 Gloria Pl. NE, AX 9-6810.

4 BR MANKIN home in Carlisle Plaza, fully carpeted, air conditioned, landscaped. Easy terms. Wise, DI 4-6692 after 5 p.m.

GOLF CLUBS, left handed, three woods. Spray, 11605 Baldwin Ave. NE, ext. 26263.

PICKET FENCE, 150 ft. long x 3 1/4 ft. high, two gates, approved for AEC housing, \$60. Kohut, ext. 20296.

POWER LAWN mower, reel type, \$20; has-sock, leatherette, with storage space. Villella, AL 6-1881.

RUGS, 12' x 12' and 12' x 5', padding for both, also full runners and padding, grey and tan, \$25 for all. Hicks, AL 6-5109.

RANCH-STYLE house, 3 br., den, 2 baths, double carport, fireplace, walled, landscaped, carpeted, \$14,800. Butler, AX 9-5626.

GE REFRIGERATOR with 25 lb. freezer compartment, \$100; Kenmore gas range, \$50; sell both for \$125. Stewart, AL 5-6659 after 5 p.m.

17" TV CONSOLE, 2-door mahogany style, AM-FM radio, 3-speed phonograph, \$110. Corney, AL 5-1490.

4 RM. ADOBE house located in 1600 block of Third St. SW; big lot. Total price, \$3,000, with \$350 down and \$35 a month. Chavez, CH 3-2743.

GUNS, custom 30-06, \$85; Rem. Mod. 722, 257 Roberts, \$65; Champion 7 1/2 hp outboard, \$65 or trade for aluminum cover for '53 Chevrolet 1/2 ton pickup. Kerl, AL 5-7172 evenings.

FLUTE, Selmer, good school band instrument. Nissen, AL 5-5657.

HOLLYWOOD BED frame, metal, standard double size, \$4.50. Garst, AX 9-5870.

SHOTGUN, 12 ga. Springfield automatic, full choke, with case and cleaning equipment, \$80. Galbreath, 3730 Manchester NW, DI 4-4306.

'56 TRIUMPH Tiger Cub motorcycle. Lopez, 1605 Hendola Dr. NE, AX 9-4370.

GARAGE DOOR, complete with hardware. Also '53 Plymouth, 2 door. Ramirez, 1005 San Lorenzo NW, ext. 31245.

BABY FURNITURE, clothing, crib, playpen, buggy, bathinet, highchair, \$50 for everything. Wise, DI 4-6692 after 5 p.m.
TV CONSOLE, Pacific Mercury 21" combination radio-phonograph. Will sacrifice for \$150. Montoya, AL 6-5434.
COMMAND SET: BCAR-229 receiver, BCAL-230 transmitter; AIEE Magazine 1949 thru 1955, best offer. Amonette, 1225 El Prado NW, DI 4-6619.
BUTANE RANGE, apt. size, \$18. Also '51 Kaiser available for parts, \$40. Penn, ext. 40270.

NEXT DEADLINE

FOR SHOPPING CENTER ADS
Friday Noon — Sept. 26

GE FREEZER, \$235; one 10 gal. and one 1 gal. aquarium with stand, light and gravel, stainless steel, all for \$25. Schulte, ext. 31269.

V-M TAPE RECORDER, 25 reels of tape, 12 recorded, 13 virgin reels, standard alignment tape, leader tape, splicer, splicing tape, etc. \$150. Fulcher, Hays Trailer Ct., 132 Virginia NE, space No. 8.

BUTANE BOTTLES, 2, five gallons, \$10 each. Lathrop, 1715 Valdora SW, ext. 26242.

CAMP TRAILER, tear drop, 2 burner gas stove, ice box, 10 aa. water tank, \$250. Mackenzie, AX 9-3055, 1517 Parsifal NE.

'58 FORD, Fairlane, 4-door sedan, standard shift, six cylinder, extras, \$1000 off purchase price. Matlack, AL 6-7371.

9 FT. PUNT w/2 1/2 h.p. outboard (needs repair), attachable duck blind, cartop carriers and 2 gal. safety gas can, complete for \$150. Jackson, AL 6-0121.

HALF-BOXER PUPS, will travel, one male, one female, six weeks old, weaned, tails docked, healthy, \$10. DeSelm, AL 5-2634, 513 Carlisle SE.

MODEL 94 Winchester, 30-30 rifle, \$45. Minter, AL 6-9225.

150 LB. WEIGHTS, bar type; 1 rifle, German 8 mm. Graves, AL 5-4243 after 5.

UTILITY TRAILER, two wheel, box type, 4x6x4 feet high, lights, spare tire, '58 license, \$40. Leonard, AX 9-4684.

REFRIGERATOR, 7.5 cu. ft. Frigidaire. 3 years old, \$95; mouton coat, 3/4 length, full cut, beaver-dyed, size 12, \$75. Carlson, AL 6-9008.

CARLSON ENCLOSURE, 15" speaker, 4" tweeter, limed oak cabinet, \$90. Budlana, AL 5-8568.

'51 FORD Convertible, R&H, overdrive, terms available. \$415. Anderson, AX 9-3775, 1541 Parsifal NE.

POWER HANDSAW, 6 inch Craftsman, \$25; wringer-type washing machine, Maytag, w/pump, \$65. Pitti, AL 6-1629.

'56 VOLKSWAGEN Deluxe sedan, radio, sun roof, \$1495. Reed, AX 9-7425.

RELOADING DIES, one set of C. H. 300 Weatherby, \$8. Goens, Box, 224, Cedar Crest, N. M., ext. 26241.

DEEP FREEZE, chest type, \$75. Plegler, AX 9-1709 evenings.
35mm CAMERA single lens reflex, Praktika, \$50; will trade for .22 or .38 special revolver; revolver .38 S&W 6" barrel, \$25. Schowers, AL 5-9279.
PARAKEETS, baby-banded, hand trained, four available about Sept. 31, \$5 each. Robinson, AX 9-0971.
'52 MG-TD, very clean. West, DI 4-8090 after 5:30.
'56 FORD, Fairlane Victoria tudor, yellow and white, Thunderbird engine, automatic transmission, R&H, other extras, \$1500. Fries, AM 8-1362.

TELESCOPIC SIGHT, Weaver K-8, 8-power, never used and in original box, \$45; S&W K-22, many extras, \$65. Shunmy, AX 9-2787.

TRAILER HITCH for '57 Ford, \$7.50. Reeder, AM 8-1903.

DOUBLE BED, spring and mattress, \$15. Kulterman, ext. 48167.

TWO VIOLINS, w/cases, small and regular sized, excellent for beginning student. Naughton, AL 6-2561 after 5:30.

POODLE PUPS, Miniatures, 1 male, 2 female, black, \$100 each, see now, pick up late September. Bray, AL 6-9257.

CLOTHESLINE POLES, galvanized steel, w/ground boxes, \$8; 25 vol. Funk & Wagnals Universal Standard Encyclopedia, year old, \$20. Womelsdoff, AX 9-6269.

24" BICYCLE, boys, Smith, AM 8-0260 after 5.

2 BRM. HOME, den, woodburning fireplace, w/w carpeting, walled, barbecue, swimming pool, landscaped. Hail, CH 2-3325.

FLUTE w/books, \$50; stenograph w/stand and lesson books, \$50; three ladies' fall suits, size 12, \$5 each. Long, AX 9-1416.

DINING ROOM set, gate leaf table, buffet, 4 chairs, walnut finish, \$45; Hollywood doublebed headboard, yellow plastic, w/4 leas, \$7. See at Thrift Shop, Fegan:

'51 CHEVROLET, powerglide, \$165; 2 wheel trailer w/4x7 bed; kitchen cabinets w/sink, high chairs, Philco console radio, other. Lewis, AL 6-7404.

16" TV, Philco table model, needs picture tube, \$15. Braffett, CH 2-5429 after 5.

REMINGTON MODEL 740A, 30-06, bought last October for \$135; fired 11 rounds, will sell for \$115. McCullar, AX 9-0638.

ARGUS C-3 35mm camera w/case, sun shade, and flash attachment, \$35. Howard, AL 6-2525.

COUCH and easy chair w/slip covers, \$30. Gasser, AL 5-4562.

'50 DESOTO, 4 door custom, Fluid Drive, good second car, \$175. Szyper, DI 4-6982, 3103 9th St. NW.

ARMY LIFE RAFT, seven-man; Winchester rifles, will trade electric guitar w/amplifier for small motorcycle. Pritchard, AL 6-5667.

MISCELLANEOUS garden tools; refrigerator, \$50; twin beds w/mahogany steads, \$40; fire place set, complete, \$25; Earnheart, AL 5-6541, 2912 Aliso Dr. NE.

IRONRICH MANGLE, mahogany, 26" Monarch Deluxe bike, La Tosca 112 bass accordion, trombone, maple bookcase bed, full size. Bruncini, DI 4-6831.

HOUSE TRAILER, fully equipped, 17 ft., sleeps four, can be used for camping, must sell, \$375. Smythe, CH 7-9935, 1031 Sunset Rd. SW.

HOT POINT MANGLE, table model, \$20; electric hand sweeper, \$10; girl's 26" bike, new puncture proof tires, \$25. Vinovich, AX 9-1979.

TWO TRAILER butane bottles; panel ray heater, best offer. Fletcher, AL 5-0797, 6614 Cochiti Road SE.

BEDROOM SUITE, 3 pieces, blond, w/box springs and mattress, bought 6 months ago for \$329, sell for \$175. Wright, CH 3-0202.

SPANISH GUITAR, Plectrum, made by Martin, used one month; archery equipment. Burdige, AL 6-7239 after 5.

'49 FORD V8, R&H, \$195. Miller, AL 5-1324.

WANTED

3 BRM. HOME, w/den in NE area between Wyoming and Eubank. Abeyta, AX 9-4757 after 5:30.

CORNET or trumpet for beginner in school band. Adams, AL 6-7265.

CHILD CARE in my home, Monday thru Friday. Petrini, AX 9-0356, Princess Jeanne Park.

CHILD CARE, private home, 5 days a week. Renfro, 421 General Hodges NE, AL 5-9554.

270 PUMP action rifle or similar. Whitehall, AL 6-6777.

BACHELOR TO SHARE 2 bedroom furnished apartment. Peterson, AM 8-0790.

Supervisory Appointments

L. M. SPIVEY to supervisor of Product Design Division 8112, Engineering Department, Livermore Branch.



"Mac" joined Sandia in 1952. He worked in a number of project divisions until his promotion to section supervisor in January 1957. He transferred to Livermore the same month to head a section in the Product Design Division.

He came to Sandia from the University of Alabama where he was a student in Mechanical Engineering. Previously he was chief inspector in the gas division of the Memphis Light, Gas and Water Co.

Mac received his Bachelor's degree in Mechanical Engineering from Tennessee Polytechnic Institute in 1950. He is a veteran of four years in the Army Air Corps.

DONALD A. SKINROOD to supervisor of Local Field Test Section 8121-2, Environmental Test Division, Livermore Branch.



"Don" came to Sandia in 1948. He worked in drafting, systems development and field testing until transferred to Livermore last year.

His previous experience includes two years as a project engineer with Raytheon Manufacturing Company and two years as a technical supervisor with the Tennessee Eastman Corporation.

He received his Bachelor's degree in Electrical Engineering from Northwestern University in 1943. Don is a senior member of the Institute of Radio Engineers.

RUSSELL W. FOSTER to supervisor of Internal Audits Division 4123, Auditing Department.



"Russ" has been in auditing work at Sandia since 1952 and has been supervisor of Audit Methods and Coordinating Section.

Prior to coming to New Mexico he was chief accountant at the University of Wisconsin for seven years. During this period he also obtained his Bachelor's degree in Business Administration. Russ previously attended a business college in Madison.

He worked two years for the Army Air Corps as an auditor then served three years in the Air Corps as a pilot during World War II, including duty in Italy.

Russ is a member of Beta Alpha Xi, accounting honorary, and is a Certified Public Accountant in Wisconsin.

ELWOOD F. INGLEDUE to supervisor of Field Operations Division 8122, Engineering Department, Livermore Branch.



Elwood has been with Sandia since 1954. He was promoted to section supervisor in the Engineering and Operations Division in July 1956 and last June transferred to Livermore.

Before joining Sandia Elwood was project engineer with Thompson Products, Inc., Cleveland, Ohio, for three years. Previously he worked three years as production manager for the Antenna Research Laboratory, Inc., Columbus, Ohio.

Elwood graduated from Ohio State University with a BS degree in Electrical Engineering in 1949. He served in the Army Air Corps for six years.

W. DOUGLAS LaCOSS to supervisor of Section 1265-2, Special Projects Division.



During his three and one-half years at Sandia Douglas has been working in the Physical Research Department. He came to the University of Washington in Seattle where he received a BS degree in Electrical Engineering. He has been working toward his Master's degree at the University of New Mexico.

During World War II Douglas served three years in the Navy as an aviation radio technician.

After his discharge he worked about three years in Seattle and Longview, Wash., as an electrician, radio and appliance serviceman.

He is a member of the Institute of Radio Engineers, Tau Beta Pi, honorary engineering society, and Sigma Xi, honorary science society.

JAMES P. SEAY to Assistant Purchasing Agent, Electrical and Research Studies 4340.



"Jim" has been with Sandia more than 10 years. He was promoted to Buyer in mechanical subcontracting in January 1953

and transferred to electrical subcontracting in March 1957.

Previously Jim was with the Walter O'Bannon firm, an oil field equipment company in Tulsa for eight years—seven of those years as a purchasing agent.

Jim received a Bachelor's degree in Business Administration from the University of Arkansas. He previously attended Northeastern Oklahoma State College.

HADDON C. REDDING to supervisor of Tabulating Division 4132, Payroll, Tabulating and Vouchering Department.



Haddon came to Sandia nearly six years ago and was promoted to section supervisor in November 1956. His first section was Accounting Methods and later he was transferred to Standard Cost Section.

Prior to employment here Haddon earned both Bachelor's and Master's degrees in Business Administration from the University of Oklahoma. He is a Certified Public Accountant and is a member of the American Institute of Accountants and the American Accounting Association.

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

WILLIAM C. COLBORNE to supervisor of Auditing Division 4122, Auditing Department.



"Bill" has been with Sandia five years and has been a senior auditor since April 1956.

He came to Sandia from Arizona State College where he had been an instructor in business for a year after receiving his Master's degree. His BA degree in accounting was from the same school, where he graduated with highest honors.

For two years Bill was employed as an auditor in Phoenix.

He served for three and one-half years in the Navy on a destroyer.

Bill is a member of the American Institute of Certified Public Accountants, Delta Sigma Pi, a business honorary fraternity, and holds a Certified Public Accountant license in Arizona.

Losses Slight Last Year But Fire Is Ever Present Threat

Deaths from fire numbered 11,300 and property loss was \$1,275,000,000 in the United States in 1957.

To reduce this tragic toll is the challenge of Fire Prevention Week Oct. 5-11.

"We were lucky at Sandia Corporation last year," H. H. Pastorius (2442), head of Fire Prevention activities at Sandia, said. "Four small fires resulted in \$116 in property loss. But if any one of those fires had not been detected quickly, reported properly and extinguished rapidly, we could have been in serious trouble.

"The point is," Harry said, "that fires can happen anywhere or anytime. Fire Prevention Week gives us the opportunity to remind employees to be ever alert to the danger of fires."

During the past year, lightning destroyed insulation on a fence light fixture on May 15 resulting in an \$11 loss. On July 14 a spontaneous fire in a contaminated materials dump resulted in a \$50 loss. Aug. 7 a defective regulator resulted in a \$5 loss in an overhead lighting fixture. On Aug. 13, continued heat from a high temperature chamber test device in Bldg. 860 carbonized a wooden lining near a vent and caused a fire. Loss was \$50.

Sandia Corporation Fire Prevention Week Activities will be described in greater detail in the next issue of the Sandia Lab News.

JAMES K. PATTERSON to supervisor of Tabulating Section (Night Shift) 4132-2, Payroll, Tabulating and Vouchering Department.



"Jim" has been in tabulating work for the past 20 years.

He came to Sandia Corporation six and one-half years ago and has worked in the same organization the entire time. Previously he was in the payroll tabulating organization at Firestone Tire and Rubber Company, Akron, O., for nine years.

Before employment there Jim did tabulating work for two years for the State of Missouri Unemployment Compensation Commission. His first job in the tabulating field was with the Industrial Bank of St. Louis.

Jim received his Bachelor's degree in Mathematics from Monmouth College in Illinois.

He helped organize the New Mexico chapter of the National Machine Accountants Association.



QUARTER MIDGET racers, such as this one, are driven by youngsters each Sunday. (L to R) Dick Marmon and children, Richard, 9, Polly Ann, 10, and Jimmy, 8, look over the sleek, small vehicle.

Pre-Teen Youngsters Drive Two HP Racers in Accident-Free Contests

The days of bicycle and roller skating thrills are gone for Dick Marmon's three oldest children. At 8-10 years they're already donning crash helmets and zooming around a track in midget racers.

It all started when the children's grandfather saw the tiny racing cars and thought they would help develop coordination, driving skill, and mechanical ability in Richard, age 9, and Jimmy, 8. He didn't count on Polly Ann, 10, who burned up the course from the start and holds the local track record of 1/20th of a mile in 10 seconds flat.

Mrs. Marmon didn't think too much of the idea at first but now she's out cheering with the other parents and spectators.

Dick, who is supervisor of section 2721-2, is treasurer of the Albuquerque Quarter Midget Association and regularly joins the other fathers in maintaining the cars.

The racers have two horsepower engines and are capable of speeds up to 35 mph. As safety features there is a roll bar extending above the driver's seat, a fire wall between the seat and the rear motor, and a hand brake. The youngsters all wear white coveralls, crash helmets, and use safety belts. The racers cost about \$450.

At the present time there are 21 cars in Albuquerque which race every Sunday at 4 p. m. at the State Fairgrounds. The dirt track was constructed by asso-

ciation members on the donated land.

On a recent Sunday approximately 500 persons gathered to watch the youngsters—ranging in age from four to 12 years—whiz around the track. There has never been an accident at the track. Strangely enough girl drivers win 95 per cent of the races.

During the week the two Marmon cars are hauled to the track so the youngsters can practice—one regulation strictly observed is that the racers are not operated on city streets or on driveways. Sunday evening the three young Marmons almost wear out the chrome and paint washing and polishing the car.

Sandia Booklets for Hunters, Football Fans

Active sportsmen and armchair kibitzers as well will be pleased by two booklets being offered by Employee Services (3122). Copies may be picked up in Bldg. 829.

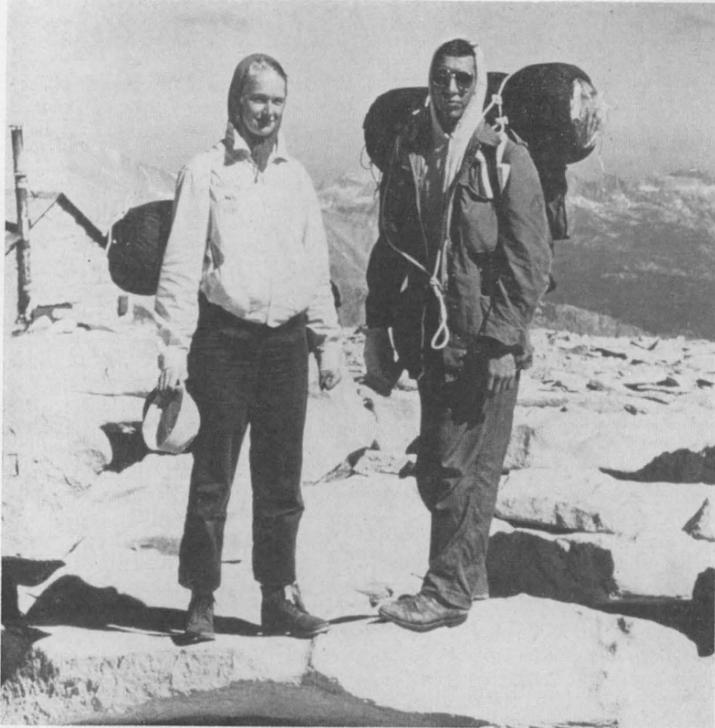
A "must" for hunters is the New Mexico Big Game hunting proclamation with maps, dates and descriptions of areas open for deer, elk, antelope, barbary sheep, wild turkey and bear. Also included is data on special seasons.

For the football fan, both TV or stadium spectators, there's a New Mexico football guide listing the 1958 UNM football roster, dates of games, past records and other facts.



REALISTIC COMPETITION makes good winners, racing. It also teaches driver responsibility. and losers, of young drivers in quarter midget racing. Richard Marmon is behind wheel of car 33.

90-Man Staff From Laboratory Takes Part in Full Scale Tests



MT. WHITNEY SUMMIT was the summer goal of Goebel Davis (8124-2) and his wife, Jean. They spent the night on the 14,496 ft. peak—North America's highest peak. Last month the Davis' also climbed the difficult 14,100 ft. Mt. Shasta in northern California.

A balloon shot this week was scheduled to mark the beginning of an abbreviated series of full scale nuclear tests at the Nevada Test Site. A 90-man contingent of Sandia Corporation employees headed by George P. Stobie (5230) was on hand to carry out Sandia activities and will remain through the series scheduled to end Oct. 31.

In addition to being Sandia Test Group Director, Mr. Stobie will perform duties as Deputy Coordinator of the Operations Group for the test organization.

The test organization is made up of personnel from the AEC, Los Alamos Scientific Laboratory, University of California Radiation Laboratory at Livermore, Sandia Corporation, and military organizations in Albuquerque.

Other participants include military contractors, the U.S. Public Health Service, U.S. Weather Bureau, various federal agencies and educational, industrial and research concerns.

James E. Reeves, AEC-ALOO, is again Test Manager as in the Nevada Tests of 1955 and 1957. During three Pacific test series he served as commander of the base facilities group.

Duane Sewell, UCRL, is Scientific Advisor for the series and Chairman of the Advisory Panel. Dr. Alvin C. Graves, LASL, is Chairman of the Nevada Test Site Planning Board. Dr. Gerald W. Johnson, UCRL, is Deputy Test Manager. Dr. C. E. Violet, UCRL, is Alternate Deputy Test Manager.

Sandia Corporation projects and officers include Earth Motion Measurements, J. W. Wistor (5231); Armings and Firing, C. H. Stockley (5231); Surface Photography and Technical Photo Instrumentation, B. C. Benjamin (5216); High Resolution Telemetry, C. E. Ingersoll (5231).

UCRL Support, H. C. Walker (8122) and W. A. Maupin (8122); Balloon Support, H. G. Laursen

(5231); Microbarograph, R. A. Jeffrey (5232); Personnel Administration, Plans and Logistics, A. R. Verardo (7232); Construction Liaison, H. R. MacDougall (5232).

Fallout Studies and Prediction, J. W. Reed (5111); and Material Radiation Studies, W. K. Dolen (1626).

The AEC said about half of the shots will be in deep underground tunnels. None of the underground tests are scheduled before Oct. 8.

Employees Take Part-Time Posts On UNM Staff

Several Sandia Corporation employees will be teaching courses at the University of New Mexico when the fall term begins Sept. 22.

R. B. Goode (2514) will teach a credit course in business statistics in the College of Business Administration. Mr. Goode is a quality control engineer and has been with the Corporation for one year. He has previously taught business administration and economics at UNM, University of Virginia and Birmingham Southern College.

Eugene R. Alesch (2463) will instruct a course in portrait painting for the Community College Saturdays from 8-10 a.m. He has previously taught at UNM and was an instructor at the College of St. Joseph for three years. He has been employed at Sandia as a technical illustrator for two years.

Lawrence E. Null (1621-2) will teach Oxy-Acetylene welding in the Community College. This will be his third year teaching at UNM and he has previously done on-the-job training for the Corps of Engineers and the AEC. He has been employed at Sandia since May 19.

Gerald J. Hurley (7123) will teach German I in the Community College on Thursdays from 7-9 p.m. For the past three years he has taught German and Technical Writing classes at UNM. Previously he taught at St. Mary's High School in Phoenix, Monterey Peninsula College and Kansas City Junior College. He has been employed at Sandia since 1951.

Model Plane Flying Demonstration to Be Presented Sunday

Model plane enthusiasts are invited to a demonstration Sunday at 2 p.m. on Sandia Base at the baseball diamonds west of the Military Police headquarters.

The event is being sponsored by the Sandia Base Special Services, which hopes to establish a controlled flying area in that vicinity soon.

Ted Blaz (7412-3), who is serving on the arrangements committee, announced that special features of the show will be stunt and combat flying.

Plans are now being made for the organization of a model plane club which would be open to Sandia, Military and AEC personnel. Anyone interested in joining can contact Ted at ext. 39151 for further details.

F. W. Neilson to Speak To Colloquium Sept. 24

F. W. Neilson (5133) will discuss "The Electrical Properties of Exploding Wires" at a meeting of the Sandia Research Colloquium Wednesday, Sept. 24.

On Wednesday, Oct. 1, M. L. Merritt (5110) will present "A Report on a Trip to Alaska for Project Plowshare."

Both meetings will be held at 9:30 a.m. in the basement conference room of Bldg. 802. No tickets are required.

Smokey Maxwell to Represent Livermore In Bowling Ass'n

R. E. "Smokey" Maxwell (8224-1) is now known as "Mr. Bowling." He has been named to represent the community-owned Livermore Bowl, Inc., before the Metropolitan Oakland Bowling Association.

This means that Smokey will be responsible for organizing, scheduling, and promoting bowling leagues among civic, fraternal and industrial organizations in the Livermore area.

Smokey is an old hand at this business. For three years he was president of the Albuquerque City Bowling Association. After transferring to Livermore he was named by a state commission to be one of the seven original organizers of the Livermore Bowl.

The half million dollar bowling alley-restaurant-cocktail lounge is expected to open early next year. It was financed by shares sold locally and will be run by an elected board of directors.



MIMI, Las Vegas (Nev.) dance impressionist, will appear with Dick Webster's Showcase Review at Coronado Club Sept. 27.

Noon Hour Staff Technical Courses To Be Offered Beginning Sept. 29

A group of Staff Technical Courses will be offered during the noon hour by Staff Training and Education Division 3123 to supplement educational opportunities offered by the University of New Mexico and to meet special needs.

The classes will be held twice each week for a period of 16 weeks beginning Sept. 29, according to E. H. Wilson (3123-2).

Classes will be scheduled on the basis of interest and need of employees. No tuition fee will be charged. Courses will not carry college credit, however, certificates of completion will be given.

Security Contest Entry Deadline Midnight Sept. 24

Entries are pouring in for the Security Education Contest to discover the best symbol or "character" to represent Sandia Corporation security, reports F. Claude Hempen (3243), contest director. Some 200 have entered.

Employees have until midnight Sept. 24 to submit ideas for the contest. Winner will be awarded a \$25 savings bond. Any number of entries may be submitted by a person and extra blanks are available from Organization 3243, Room 136, Bldg. 802, ext. 29236.

"We have had to toss out some fine entries," Claude said, "because the names and organization numbers of the persons entering them were left off the form. This is a requirement for entering the contest."

Judges who will select the final winner are T. B. Heaphy (7223-4), W. W. Ives (2463), H. J. Price (1521-1), W. E. Treibel (1246) and Claude Hempen.

Enrollment in the classes will be limited by the number of classrooms available. The tentative schedule includes: Engineering Mechanics (Basic Statics) to be taught by Joseph T. Black, Jr. (1282); College Algebra—Plane Trigonometry Review with F. E. Forsythe (5242) as instructor; Analytic Geometry—Differential & Integral Calculus I and II; Review Course in Calculus, J. A. Johnson (1265) instructor.

Differential Equations, instructor L. E. Bothell (1613); Strength of Materials I and II, the advanced course to be taught by Grover Hughes (1280); Machine Design; and Introductory Scientific & Technical Russian, instructed by Marcel E. Weinreich (7221-1).

Further information may be obtained from E. H. Wilson, ext. 45157.

Dance Classes Being Offered Club Members

Fifty couples have registered for two dancing courses at the Coronado Club, Dorothy Miller (7220) of the Club's Board of Directors, reports. The classes, instructed by Mr. and Mrs. Gail Ward (2463) and Mr. and Mrs. Charles Balistrere (5512), are basic dancing courses for beginning and advanced students and include instruction in both American and Latin dances.

Coronado Club members may register at the Club through Sept. 22 for the 12-week courses. Cost of the lessons is \$8 per person.

Both classes are being held on Monday evenings, beginners from 7-8:30 p.m. and advanced students from 8:30-10 p.m.

Welcome Newcomers

Sept. 2-12

Albuquerque	
Mary F. Adair	7225
Louis C. Baldwin	4111
Bert A. Ball	2133
Joyce E. Beery	7225
George P. Belter	4152
Gunther A. Boeck	2544
Juan L. Burke	2461
Jean T. Contreras	2474
Nancy H. Duhigg	7225
Leonard Ehrman	1413
Robert D. Eiler	2711
W. Sue Evans	2543
Frances J. Galer	4333
Forrest A. Hannan	2711
Thomas H. Humphreys III	4333
*Mary M. James	2471
Orville R. Jones	2482
Robert W. Lucas, Jr.	7231
Ruth L. Lumsdon	4323
Jose F. Lucero	2464
Virginia G. Lucero	4142
Mareta R. Mocabee	2525
Margaret B. Pepin	3152
Josephine M. Ryan	4135
M. Jolene Stillwell	7423
Robert L. Wheeler	2551
Lois A. Winfrey	2224
Robert E. Wolfe	2242
Alabama	
William J. Patterson, Jr., Auburn	2543
Arizona	
Donald F. Lawrence, Phoenix	2711
California	
Eldon G. Cook, Chula Vista	2151
Chester A. Tarne, El Cerrito	8113-2
Edward E. Klinker, Orinda	8225-1
Frank C. Parr, Livermore	8222-2
Howard W. Schmale, Ingwood	8124-3
*Michael A. Lovato, Livermore	8222-2
Irma R. Olson, Tracy	8212-3
Dominico Travone, Livermore	8222-2
Colorado	
Roy W. Slice, Fort Collins	8122-2
*Robert A. Sullenberger, Durango	2541
Illinois	
Frederick L. Vook, Champaign	5150
Iowa	
Wayne L. Garner, Iowa City	7223
William B. Fleming, Burlington	5513
Michigan	
Harold O. Hannon, Niles	2153
Minnesota	
Robert F. Carrell, St. Paul	8122-2
New York	
James A. Smith, Forest Hills	3123
North Carolina	
Byron O. Garrison, Greensboro	7211
Ohio	
Gordon R. Troyer, Miamisburg	7422
Pennsylvania	
Norman N. Sirmic, Sharpville	7411
Texas	
Jimmie H. Smith, Lubbock	1260
*Denotes rehired	
Returned from leave	
Eddis J. Fiedel	2410
Carol R. Kaemper	2544
Temporary Hires	
Arthur L. Langhorst, Jr.	5112
Jeanne Whisler	5112
Kent H. Jones	5112
Garth Smith	5112

Party Reservations For Holidays to be Accepted By Club

Reservations for organizational Christmas parties at the Coronado Club will be accepted beginning Oct. 1, the Club's Board of Directors has announced.

All requests should be made in person by an organization representative at the office of the Club Manager. Dates and Club facilities will be reserved on a first come, first served basis.

Organizations should be prepared to submit an alternate date for their parties.



SECURITY SYMBOLS, perhaps like the ideas shown above, are sought by Security Division 3243 to use in a Sandia Security Education program. A

\$25 savings bond goes to the winner. Ideas may be sketched or described; artistic ability is not a criteria. Deadline for entries is midnight Sept. 24.

Evening Class Enrollment Double That of Last Year

The popularity of further self education is indicated by 1200 enrollments for fall classes offered by the Sandia Corporation Evening School.

In this third year of operation, the Evening School is offering 37 job-related courses designed to supplement formal company training programs. No tuition is charged, but employees must purchase their own textbooks.

Greatest interest in the off-hours courses is in the field of Electricity-Electronics with 475 enrollments. Mechanical courses

and Mathematics courses each have better than 200 enrollments.

Courses offered for the first time this semester are: Electronic Measurements 1, Blueprint Reading for Building Trades 1, Blueprint Reading Mechanical 2 (Advanced), Plastics 1, Shop Metallurgy, Shop Physics, and Welding 2 (Intermediate).

New Instructors

New instructors this semester include: R. L. Shuman (1613), F. C. Irwin (1222), J. P. Pupelis (7412), F. A. Kunz (2551), H. B. Goldenberg (5522), Lee McKittrick (1611), H. J. Schroer (2132), G. E. Power (2441), F. F. Norris (2441), and H. L. Floyd (1452).

The interest of employees in self-development is shown by a comparison of enrollments in the Evening School program since its start. Enrollment in the program the first semester last year was 699, the second year it increased to a total of 1665 for the year. Numerous employees sign up for more than one class.

The program was set up under General Training and Education Division 3124 with Joe Calek handling details of the program. Nelson W. Lowery of the Albuquerque Vocational Evening School has been cooperative in working with Sandia representatives in providing classrooms and obtaining instructors for the math courses and several others.

During the past two summers, W. B. Maxson, head of the Albuquerque high school science department, has worked in division 3124 in improving the existing electronics course. He will also teach the class in Electronic Measurements.

Course Improvement

According to Lynn Castle, supervisor of division 3124, there is a constant effort on the part of the staff to improve the courses and to include subjects for which there is a demand.

Industrial Electricity I is the first of a proposed series: Electronics 1-5 will be added onto in the area of microwaves; higher applied math courses will branch into electronics and mechanical subjects; Blueprint Reading for Building Trades I is the first in a series with future courses including electricity, carpentry and plumbing; Plastics I is the first in a series.

"We also anticipate," said Paul V. Delker, administrator of the program, "extending the general interest courses beyond the English Grammar, Gregg Shorthand Review and First Aid courses presently offered."

Employees May Enroll at UNM Tomorrow For Study Under Lab Educational Aids Program

Registration for fall semester classes at the University of New Mexico will be held today and tomorrow with numerous Sandians expected to avail themselves of assistance under the Corporation's Educational Aids Program.

The program, now entering its third year, enables any employee who successfully completes a job-related course at an accredited university to receive a tuition refund amounting to 50 per cent.

If classes are not available outside of working hours, employees with junior standings or higher may have time off from their jobs at Sandia to attend these classes during the daytime.

W. H. Bailey, who serves as Sandia's Educational Aids Counselor, points out that Form SC 4555-A (which is new) must be completed by interested employees and returned to Staff Training and Education Division 3123 by Oct. 24.

Employees receiving compensation under any veterans assistance program or university scholarship

are not eligible to receive tuition refund under the Corporation's program.

Provisions of the plan allow junior and senior students to take time off to attend classes provided the class falls at the beginning or end of the work day or noon hour. Graduate students may take time off whenever the otherwise unavailable class meets.

These time off provisions apply only if the University is unable to give these classes outside of Sandia working hours.

Every application form requires section, division, and department approval. Superintendent approval is also needed if time off the job is requested.

"Under the program," Mr. Bailey said, "the employee must relate his proposed course to his present job or to a Corporation position to which he may aspire."

Any course taken to attain a degree will normally be considered job-related if the degree is considered by line supervision as of value to the Corporation's mis-

sion. If there is no degree objective, each course will be considered separately to determine that it is job-related.

Mr. Bailey noted that site personnel may take correspondence courses this semester and receive assistance under the Educational Aids Program. The courses, however, must be taken from the University of New Mexico or other universities on the approved list of the National University Extension Association.

Refund checks are issued at the end of the semester after Division 3123 receives a statement of final grade and tuition paid by each employee enrolled under the program. The Corporation does not withhold income tax from these refund payments and the responsibility for reporting such payments as income falls on the employee.

Additional information on the program, counseling with regard to courses, and university catalogues may be obtained from Mr. Bailey in Bldg. 301, ext. 45157.



SANDIA NEWCOMER Nancy Armor recently copped the 18th annual Tri-State Tennis Tournament, played in Amarillo, Tex., for the 4th straight year.

Nancy Armor Wins Tri-State Tennis Tourney 4th Time

The 18th annual Tri-State Tennis Tournament played Labor Day in Amarillo, Tex., was won for the fourth straight time by Nancy Armor, who works in Division 7412.

Nancy is the first player to dominate the tourney so completely since pre-World War II days.

She began playing tennis in 1945 in high school in Dallas. By 1948 she ranked sixth nationally in singles and fourth in doubles.

Nancy was a draftsman two years while completing work at North Texas State College. She taught Physical Education at a San Diego junior high school in 1956 and 1957. Off hours she kept in practice well enough to be considered one of the better ranked tennis players on the Pacific Coast.

At Sandia since August, Nancy has already won the New Mexico Open Tournament in Albuquerque.

R. M. Hansen to Retire Oct. 1 With 29 Years Service

Retiring Oct. 1 after more than 29 years with the Western Electric System will be Roy M. Hansen, supervisor of Payroll and Disbursements Auditing Division 4131.



R. M. Hansen came to Albuquerque eight and one-half years ago from Chicago where he had been with WE's Hawthorne Works.

At Sandia he was a section supervisor in the Cost Division for one year, then promoted to his present job.

Mr. and Mrs. Hansen plan to maintain their home at 708 Quincy NE but a trip to Chicago to visit relatives and old friends will be taken this fall. A little later they intend to visit Mr. Hansen's father in San Diego.

An active bowler for many years, Mr. Hansen plans to continue his interest in this sport.

Radio Club Meets

Monthly get-together of members of the Sandia Base Radio Club will be Tuesday, Sept. 23 at 8 p.m. in Bldg. T-319 on Sandia Base according to J. S. Cundy (7233). Program for the next regular business meeting scheduled Oct. 14 will be announced, he said.

Promotions

William S. Brady (7424) to Staff Assistant, Admin.

Kelley T. Fosmo (2223) to Stockkeeper William A. Sanchez (2711) to Inspector Herbert C. Frahm (2411) to Refrig. & Air Cond. Mechanic

Shirley A. Hake (2461) to Document Clerk Emma M. Benderman (2461) to Document Clerk Richard A. Granger (4135) to Tab. Equip. Opr.

Dana A. Wray (7233) to Stockkeeper Susan E. King (8212) to Stenographer Clerk Barbara A. Cardoza (8212) to Typist Clerk Dorothy Clark (8212) to Stenographer Clerk Lenore D. Farnam (8212) to Stenographer Clerk Henry H. Passmore (7411) to Draftsman Julian A. Lovato (7411) to Draftsman Leroy R. Plumley (7412) to Draftsman Duane A. Benton (7412) to Draftsman Mathew J. Roach (7412) to Draftsman W. L. Hawkins, Jr. (7412) to Draftsman Robert B. Dick (7412) to Draftsman Clyde H. Hughes (7412) to Draftsman Almond D. Fackrell (7412) to Draftsman John S. Williams (7412) to Draftsman William H. Carter (7312) to Technical Asst. William A. Walton (7313) to Technical Asst. Gary G. Swagerty (7323) to Technical Asst. Lennox B. Green, Jr. (7324) to Technical Asst. Louis E. Erne (2462) to Staff Asst., Technical Benjamin R. Armijo (7422) to Staff Asst., Administrative

M. J. Krzykowski (7412) to Staff Asst., Sr. Draftsman Joseph T. Plant (2112) to Metal Stock Handler & Cutter Paul B. McKee, Jr. (2462) to Repr. Equip. Opr.

Betty F. McKinstry (2462) to Repr. Equip. Opr. Alfonso O. Trujillo (2161) to Layout Operator Max Pons, Jr. (2711) to Inspector Lorenzo Lopez (2721) to Inspector Levi E. Baca (2411) to Electrician Jose A. Armijo (2414) to Sheet Metal Worker A. L. Johnson, Jr. (2132) to Layout Technician Arthur E. Wickham (2132) to Inspector William J. Luce (2131) to Layout Technician R. J. Hynnicutt (7225) to Secretarial Typist Georgie E. Pettit (7225) to Secretarial Steno. Ruth N. Brown (2111) to Record Clerk Ruth M. Vogt (4333) to Report Clerk Mary M. Curtis (4361) to Purchase Service Clerk Mary H. Wolfe (4362) to Purchase Service Clerk Marian E. Knapp (2461) to Senior Clerk E. Gil Cordova (7233) to Property Clerk Tony R. Lopez, Jr. (2111) to Fabrication Control Coordinator

Lester J. Brasher (2222) to Production Scheduler Barbara A. Doty (7225) to Secretary Wilda M. Ward (2466) to Document Clerk William M. Phillip (2713) to Staff Asst., Technical Santos S. Quintana (2413) to Helper, Trades T. E. Neubauer (2153) to Layout Operator Mary E. Sparger (8221) to Document Clerk Johnny R. Chavez (2473) to Transportation Dispatcher Thomas O. Harrell (2541) to Staff Asst., Administrative

Felix T. Miles, Jr. (2121) to Assembler Gordon E. Cheek (2121) to Assembler Stanley E. Whittet (2225) to Service Clerk Florence I. Flynn (2461) to Document Clerk Joseph G. Tafoya (2711) to Property Clerk Charles D. Salazar (2722) to Property Clerk Peggy A. Roady (4151) to Accounting Clerk M. Joan Swing (7221) to Library Asst. F. A. Henderson (7423) to Record Clerk Eunice S. Johnson (7423) to Record Clerk B. M. Vandenberg (2731) to Senior Clerk Elmer A. Kiekhaefer (4153) to Investigator Frank N. Gurule (2292) to Investigator Priscilla A. Hanson (3152) to Typist Clerk Nettie M. Silence (6000) to Secretarial Asst.

Supervisory Lateral Transfers
Hans E. Hansen from 5232-1 to 1231-1
Maury N. Orrell from 3241-1 to 3242-4
Harold Christenson from 2112-3 to 2111-1
N. Arthur Cordova from 2131-2 to 2133-3
M. A. Deaton, Jr., from 7231-4 to 2441-3
W. F. Jemison from 1501-2 to 1502-2
W. M. Sundt from 1591-1 to 1593-1
R. O. Frantik from 1591-1 to 1593-1
James H. Hockett from 2464 to 2461
T. S. Lonz from 2464-2 to 2461-1
D. B. Aycock from 2461-1 to 2461-2
A. E. Jones from 2466 to 2464
R. B. Yoder from 4135 to 4131
K. W. Seaver from 4152 to 4135
R. J. Blount from 4151 to 4152
J. E. Anderson from 4113 to 4151
R. S. Cox from 4122 to 4113
H. G. Pierce from 7211-1 to 4152-2
Lila M. Ness from 7225-4 to 7225-3
Gertrude Byrne from 7225-3 to 7225-4
C. K. Reed from 7241-2 to 7241-4
L. C. Guynes from 7241-4 to 7241-2
E. C. Domme from 2521 to 2525

R. E. Poole Speaks To Oakland Rotarians

R. E. Poole, Vice President at Livermore, recently addressed the East Oakland Rotary Club in the Bay area.

Mr. Poole told the Rotarians of his cruise last year, in company of Drs. Edward Teller, Herbert F. York and the late Ernest O. Lawrence of UCRL, with the Mediterranean Sixth Fleet.

His experience, he noted, gave him a sense of assurance during the recent Mideastern crisis centered in Lebanon.



IT'S TUNA FISH SANDWICHES for Herman Calvery (2721-3) from now on. "Cal" and his wife, Marie, caught these yellow tail tuna and lots more bonita tuna on a recent fishing trip near Coronado Islands, about 35 miles oceanward from San Diego, Cal.

Livermore Branch Changes Announced

Creation of two new divisions and two new sections plus several shifts in supervisory assignments at Sandia's Livermore Branch have been announced.

L. M. Spivey was promoted to supervisor of the newly created Product Design Division 8112.

The other new division—Environmental Test Division 8121—was created to assume functions formerly shared by three sections in Field Operations Division 8122.

Elwood F. Ingledue was promoted to supervisor of 8122 and William A. Little was transferred laterally from Field Operations to head 8121.

Newly-formed Environmental Operations Section 8121-1 is headed by William R. Guntrum, transferred laterally from 8122-1. Donald A. Skinrod was promoted to supervisor of Local Test Operations Section 8121-2, another new group.

H. C. Walker was transferred laterally from 8122-3 to head Field Operations Section 8122-2, and M. O. Jones who also transferred from 1613-4 to head Test Projects Section 8122-1.



SQUATTER'S RIGHTS—these sports car enthusiasts have taken over a piece of the parking lot southwest of Bldg. 800. They are (L to R), Bill Laskar (2462-1), Fran Shea (2151), Norman Keesling (2153), Bill Dennison (1224) and Dick Eno (1283). The cars (L to R) are a Jaguar, Triumph TR-3, MG-A, MG-TD, and Ace Bristol. All are cars highly respected in the sports racing world.