

Dr. Teller Sees Bright Future For Both Sandia and LRL

The Livermore Laboratories of Sandia Corporation and Lawrence Radiation Laboratory have their work in the weapons program cut out for them far into the foreseeable future, Dr. Edward Teller recently told a meeting of Livermore Laboratory supervisors.

Even without a resumption of nuclear testing, Dr. Teller said, possible and desirable improvements in atomic weapons on the basis of present day knowledge

should keep the two Laboratories busy for at least the next 10 years.

Dr. Teller recently resigned as Director of the Radiation Laboratory at Livermore to resume teaching at the University of California. He will continue to be an associate director of the overall Radiation Lab (Berkeley and Livermore combined).

He detailed possibilities of improvement, then said that "if we can do all this, so can the Rus-

sians. Peace can be had only if we are willing to be firm."

Dr. Teller foresaw that Sandia Corporation would develop Project Plowshare explosives on much the same basis it now does weapons.

Dr. Teller complimented the Livermore Laboratory staff for the work it had done in partnership with the Radiation Laboratory, and added that continued close cooperation and daily contact is vital to the work ahead.

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Major Moves and Relocations

Plan Set for Most Effective Use of Sandia Laboratory Space

Major moves and relocation of Sandia organizations have been devised to make the most effective use of space at Sandia Laboratory, according to a master plan developed by the Buildings and Facilities Planning Committee.

As outlined by the plan, occupancy of three of Sandia's major buildings—880, 892 and 894—will change greatly in the coming year. Bldgs. 802, 804, 807, 838, 818 and 828 will also see changes in occupants.

Changes of Sandia's responsibility in production plus new programs and expanded activities in other areas, have led to crowded conditions in some buildings and has made space available in other buildings.

The moves will bring relief to crowded conditions, particularly in the areas of administration, manufacturing development and systems and component development. The plan will allow for effective utilization of all space by concentrating similar and related activities together and by using space in permanent buildings and better temporary buildings.

Less desirable space will be used for storage and other activities where the number of persons employed is low in relation to space occupied.

Storage Space

Warehouse space in Bldgs. 890 and 891 vacated by occupancy of the new reclamation Bldg. 870 will be used to store development material now stored in 894. Space thus opened in Bldg. 894 will be modified for packaging and inspection activities. Calibration and secondary standards activities and all other inspection functions will also be consolidated in this building from Bldg. 892.

Bldg. 892 space, vacated by production, packaging and inspection functions will provide both high bay space and laboratory space. The high bay areas of Bldg. 892 will be occupied by System Test Equipment Development Department 2440 from Bldg. 828, Mechanical Support Division 5256 of the Field Test organization from Bldg. 880, the quality assurance mechanical laboratory of Department 5520 from Bldg. 880 and Weaponry Training Department from Bldg. 804.

These moves into the high bay area of Bldg. 892 will combine most activities of mock-up nature into one area and make full and proper use of the space.

The relatively low-ceiling areas of Bldg. 892 will be occupied by relocating Systems and Component Testing 2420 and 2440 organiza-

tions from Bldgs. 802, 838 and 828 to consolidate these functions and to place them in proximity to manufacturing development departments with which they are closely associated.

4110 Relocated

Space made available in Bldg. 880 by vacating the mock-up and assembly areas used by Quality Assurance will be reoccupied by Business Methods Department 4110 from Bldg. 818. This move will place the organization adjacent to the other departments of the accounting organization.

Military Publications Department 5320 will move to Bldg. 880 from Bldgs. 807 and 808.

Space vacated in Bldgs. 828 and 838 by 2440 and 2420 will provide much needed space for component development organizations.

Bldg. 818's occupants after the departure of Business Methods Department will be Wage Administration Department 3110 which will move from Bldg. 892.

Bldg. 804 will be entirely vacated by relocating the military liaison organization in Bldgs. 892 and 880 as described above. This building will then be used as a central library to expand and consolidate Sandia's technical library facilities. Reading rooms, cataloging areas, and a high stack area will be included in Bldg. 804. Space in Bldg. 802 will be used by research and component development organizations.

The plan will progress during the coming year through a series of modifications of buildings and moves of organizations.

By late 1961, when objectives of

Conduct Business With Financial Dep't Early, If You Please

Employees needing service next week from tellers in Financial Department 6020 are urged to transact their business on Thursday, June 30, or prior to that date if possible.

The request has been made because of an expected heavy demand for usual end-of-month activities, plus the needs of individuals preparing for official trips or vacations scheduled to start next weekend or the day following July 4.

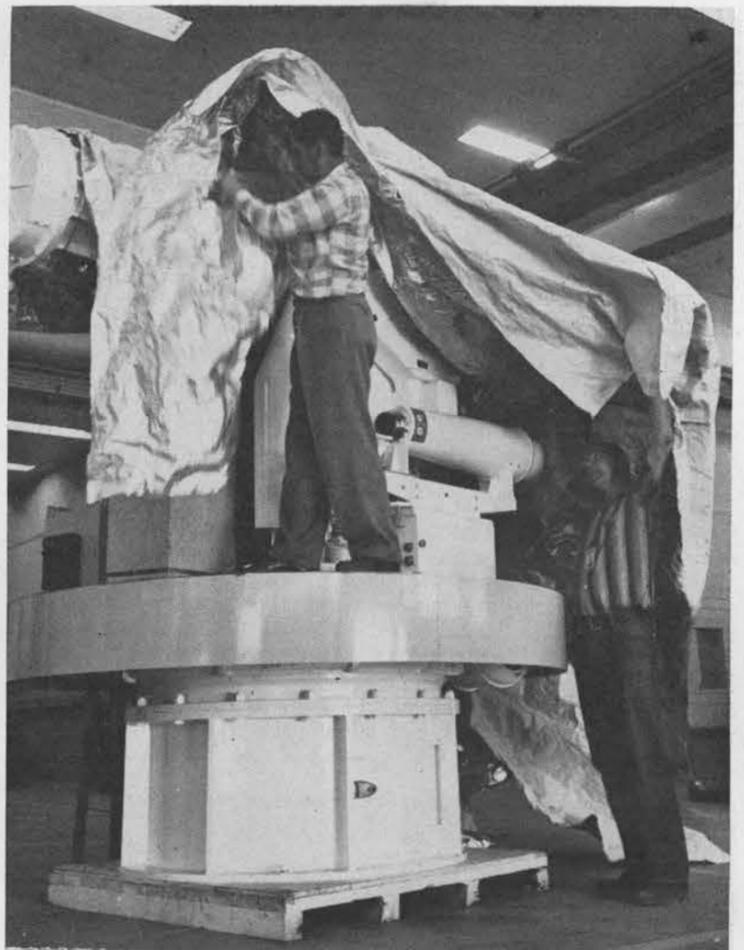
In addition, it is expected that audit groups will be counting cash on the morning of July 1, necessitating closing tellers' windows for up to two hours. If employees must wait until Friday to transact business, service possibly will not be available until 10 a.m.

the plan have been accomplished, some 100,000 sq. ft. of Class I permanent building space will have been added to the working area of employees. Almost 200 employees, now housed in temporary or semi-permanent buildings will occupy space in permanent buildings. Crowded organizations will receive some space relief from the immediate plan.

By this time the new Research Laboratory Bldg. 861 Phase II will begin occupancy and make available 60,000 sq. ft. of additional space for the research organizations.

It is anticipated that this new building will release sufficient space to other organizations to allow for all of their needs for expansion of work areas.

Members of the Building and Facilities Planning Committee are C. W. Campbell, vice president, Administration 4000, chairman; B. S. Biggs, director of Material and Standards Development 1600; L. A. Hopkins, director of Manufacturing Development 2500; D. S. Tarbox, director of Security and Industrial Relations 2300; R. G. Luckey, Comptroller 4100; R. E. Hopper, director of Plant Engineering and Maintenance 4500, and C. F. Quate, director of Research 5100. H. H. Pastorius, manager of Plant Engineering Department 4540, is secretary of the committee.



READYING TELESCOPE for shipment, Joe Maldonado, left, and Fred Pfeffer place specially fabricated heavy waterproof plastic bag over entire instrument. Moving parts were secured with wooden braces and steel bands. Delicate parts were packed separately.

Packaging, Shipping Division Completes Its Biggest Job

"No job too big or too little" is the motto of Packaging and Shipping Division 4624.

A couple of six-ton ME-16 tracking telescopes to be readied for trucking to Tonopah Test Range last week put a strain on the motto and the division. Both came through intact.

"These were the biggest-size jobs we've had," Andy Blain, 4624 supervisor, says, "although in the past we've packaged heavier equipment."

Andy estimated that the division packages about one and a half million pounds of equipment for shipment annually. The 36 employees of the division process everything from delicate electronic equipment to heavy manufacturing tools.

First step to prepare the giant telescopes for shipping was to secure all moving parts. Wooden braces were fashioned to solidly position the tube. Steel bands were wrapped around the tube and braces held it tightly. Cables and connectors were wrapped and secured. Other moving parts were secured. Lenses, motors and other instrumentation of the telescopes were wrapped separately and packed in wooden boxes.

Final step was to place a specially fabricated heavy waterproof plastic bag over the entire telescope and tightly tape it into place.

"Just like a Christmas package," Andy said, "without the red ribbon."

This kind of treatment is standard practice for any item being shipped from Sandia Laboratory, Andy indicated.

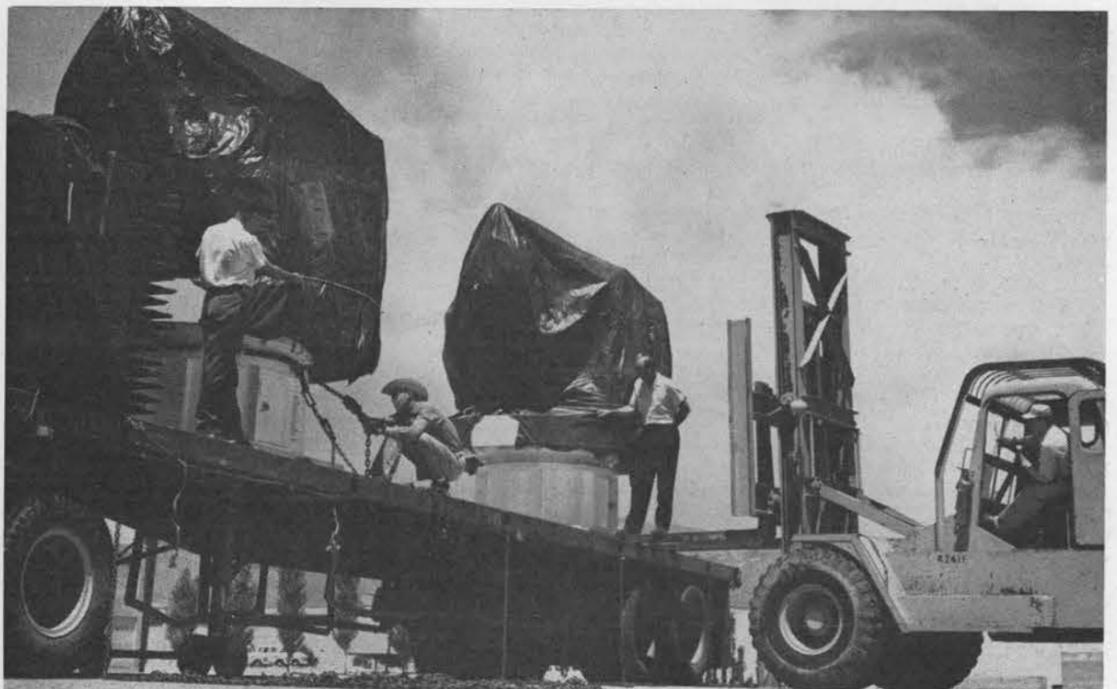
"The idea is to prevent damage while the shipment is in transit," he says. "The material processed annually by the division has a total value of about \$20 million," Andy estimates.

Sandia Field Test organizations and Research and Development organizations are about equal as far as being Andy's "best customers."

G. L. Hutchinson heads R&D Packaging Section 4624-1 and Adolph Sanchez is supervisor of Site and Field Services Packaging Section 4624-2.

Heavy shipments, such as the telescopes, are loaded and shored onto the trucks by personnel of Material Handling Section 4614-2.

Arrangements for transportation are handled by Traffic Division 4345.



SECURING TELESCOPES onto flatbed truck trailer are (l to r) G. L. Hutchinson (4631-1), L. E. Denison (4614-2), J. F. Donovan of the Optical Development Section 5224-1, designers of the ME-16 tracking telescopes, and C. M. Salazar (4614-2) is the driver of the fork lift.

Editorial Comment**Then and Now**

"There are at the present time two great nations in the world, which started from different points, but seem to tend towards the same end.

"I allude to the Russians and the Americans . . . All other nations seem to have nearly reached their limits, and they have only to maintain their power; but these are still in the act of growth. All others have stopped, or continue to advance with extreme difficulty; these alone are proceeding with ease and celerity along a path to which no limit can be perceived.

"The American struggles against the obstacles that nature opposes to him; the adversaries of the Russian are men. The former combats the wilderness and savage life; the latter, civilization with all its arms.

"The conquests of the American are therefore gained by the plowshare; those of the Russians by the sword. The Anglo-American relies upon personal interest to accomplish his ends and gives free scope to the unguided strength and common sense of the people; the Russian centers all authority of society in a single arm.

"The principal instrument of the former is freedom; of the latter, servitude. Their starting point is different and their courses are not the same; yet each of them seems marked out by the wall of Heaven to sway the destinies of half the globe."

—Alexis de Tocqueville - 1835



FIRE TRUCK has become familiar vehicle to Al Catuna (2713-1) during the 15 years he has served on the Malverne, N.Y., Fire Dept.

Congratulations**Born to:**

Mr. and Mrs. Edward Gallegos (4152-1) a son, Steven Gregory, on June 6.

Mr. and Mrs. William Barlow (1411) a daughter, Mary Alice, on June 3.

Mr. and Mrs. Neil Gholson (4231) a daughter, Gay Lynn, on May 31.

Mr. and Mrs. Edward Amador (4233) a daughter, Evelyn Joyce, on May 19.

Mr. and Mrs. T. E. Zudick (3431-2) a daughter, Cynthia Wells, on June 12.

Mr. and Mrs. Robert J. Hoffert (4253-2) a daughter, Kathaline Sue, on May 24.

Mr. and Mrs. Irv Pytlík (8114-3) a daughter, Jean Diane, on May 29.

Mr. and Mrs. Stan Bjorklund (8121-1) a son, Erik, on June 8.

Mr. and Mrs. Bill D. Pontsler (8135-2) a daughter, Valarie Kay, on June 2.

Mr. and Mrs. Charles R. Moody (8212-1) a son, Charles, on June 5.

Mr. and Mrs. Michael J. Norris (5121) a son, Patrick Francis, on June 10.

Mr. and Mrs. John A. Garcia (4254-2) a daughter, Ruth Ann, on June 7.

Mr. and Mrs. Charles Rettinger (4252-3), a daughter, Linda June.

Mr. and Mrs. T. B. Heaphy (3423-4) a daughter on June 20.

Mr. and Mrs. W. S. Roherty (5122), a son, John Francis, on June 17.

Many Happy Years

Stuart E. Whitcomb (5131) and his wife, Cathy, celebrated their 20th wedding anniversary on June 8.

New Heirs

A welcome addition to the household of W. B. Benedick (5133) is Stephen Thomas, born on May 28.

Mr. and Mrs. T. E. Smart (1614-3) have a new member of the household, a boy born June 15. He has been named Thomas Carroll.

Sandians Who Serve**Field Inspection Men Work Hard In Far Flung U.S. Communities**

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

Sandia's field inspection representatives, although subject to frequent temporary assignments or even relocation, still find ways to serve their respective communities, wherever they may be.

This is best exemplified by Robert H. Carls and Albert D. Catuna, New York Area Field Inspection 2713-1. Both originally lived in Malverne, Long Island.

For approximately 11 years Bob taught first aid there to all types of organizations, including the Malverne Fire and Police departments. When recently transferred to Perkasié, Pa., Bob organized first aid classes for the Perkasié Fire Company Ambulance Corps and the Green Lane Community Ambulance Service. These classes are now completed and three more are scheduled to start in the fall.

Taught 1500 Persons

Bob estimates that during his 12 years of teaching first aid standard and advanced courses around 1500 persons have been in his classes. He has received two Certificates of Merit from local chapters and a Gold Medal from the National Chapter of the American Red Cross.

Al Catuna continues to live in Malverne; however, his community service has been somewhat curtailed by frequent trips away from home. Al has been a member of the Malverne Volunteer Fire Department for over 15 years. During this period he has held the rank of Captain, Lieutenant and Warden, and is presently vice president of the Fireman's Benevolent Association.

Installs Equipment

Through the years Al has been responsible for installation and operation of many electronic devices, such as radio communications, alarm, and dispatching systems. He has also trained personnel in dispatching, life saving and fire fighting.

Charles Fletcher Recovering from Tumble Off Horse

Get well wishes are extended to Charles A. Fletcher (1614-3), who was injured June 5 in a fall from a horse in the Gila National Forest.

Charles, a scoutmaster, and his son, John, had been in the area for two days making arrangements for a forthcoming two week scout camp-out. Since there were no roads in the wilderness area a Forest Service helicopter was used to transport him to a Silver City hospital where it was determined he was suffering from a back injury.

After being hospitalized a week, Charles was flown to Albuquerque where he is now recuperating at home.

Get Well Wishes

Convalescing at home after a two-month illness is Lorenzo Rivera (4251). His co-workers send along best wishes for a speedy recovery. Lorenzo lives at 102 Hazeldine SW.



APPRECIATION for first aid instruction given Perkasié, Pa., Fire Company Ambulance Corps members is conveyed by fireman Winfield Slotter (left) to instructor Robert Carls (2713-1) and wife.

Far Away Places (Reached by Bicycle) Call Sandian's Son

Mark Young, 18-year-old son of Phillip S. Young (1611), is realizing a five-year dream of bicycling through Europe for the next eight to 10 months.

He left Albuquerque last week and went to Tampico, Mex., where he hopes to obtain work on a freighter going to Europe. Once in Europe, Mark plans a 5000-mile trip.

A graduate of Highland High School, he wants to go into Foreign Service and will attend college after returning from his trip.

Honesty Still Is . . .

Kevin Ballard, son of Richard Ballard (8212-1), found that honesty pays dividends. The eight-year-old boy found a dollar bill recently and immediately turned it over to the Livermore Police Department. The police chief, impressed by the lad's honesty, returned the bill to him and added a dollar of his own.



John Ulling
—New Coronado Club Manager—

John Ulling Is New Manager of Coronado Club

John Ulling was named manager of the Coronado Club this month by Anderson-Dunham Co., concessionaires. He replaces Fred-eric W. deLacy.

Mr. Ulling has been with Anderson-Dunham since 1936, much of the time at Inyokern, Point Mugu and Port Hueneme, Calif. For the past five years he has considered North Island Naval Air Station, San Diego, as "home base."

His wife and teenage daughter, Shirley, expect to join him in Albuquerque in early July.

Although a veteran of two and a half years service in the U. S. Army during World War II, Mr. Ulling is originally from Denmark. "In fact," he explained, "my name was originally 'Peterson.'" It seems that in the 1920's the Danish government decided there were too many people in Denmark named "Peterson" and encouraged them to adopt other family names.

"When I took my two-year training in the Danish Army in 1924 that seemed the best time to change. I adopted the name 'Ulling' because before my military service I traveled the European Continent as an entertainer and used the professional name 'Captain Ulling' in my act," Mr. Ulling explained.

Sometimes he was a bareback rider, but most of the time Captain Ulling was an animal trainer and appeared with "Charley," a musical seal.

"When Charley died during a performance in Berlin, the act ended," he said.

After numerous trips to and from America and Denmark, Mr. Ulling changed countries and changed acts at the same time.

Sympathy

To F. A. Hasenkamp (1626) for the death of his father-in-law recently in North Carolina.

To Paul Souder (1262-2) for the death of his father in Chamois, Mo., May 25.

To Robert L. Lachance (4253) for the death of his father-in-law on May 27.

To Jim Barham (8123-2) for the death of his father in Kansas on June 8.

To Dave Hurley (8231) for the death of his mother in Spokane, Wash., on June 16.



Arleen Olson (3126/2420)

Take A Memo, Please

Electric drills, like any power tool, must be used properly. Otherwise they can and do cause injuries.

Engagement

Marjorie Reams (3126) has announced her engagement to Ronald Dearnley. The marriage will take place in Vero Beach, Fla., in late July. Marjorie has worked at Sandia since last September.

Wedding Anniversary

Ralph E. Freeman (8122-2) and his wife celebrated their 25th wedding anniversary recently at their home at 324 Rincon Ave., Livermore.

New Home Owners

J. D. Porter (8123-1) and his family have moved into their new home at 868 Arbor Court, Livermore. Another new home owner is Marv Becktell, who has moved into 3915 Pestana Way in Livermore. In Fremont, Nancy Tompkinson (8211-4) moved into her new home at 1916 Lockwood Ave.

Heads Sandia Players

Walter Troy (3423-2) has been elected president of the "Sandia Players," Sandia Base Little Theater group. Treasurer of the group will be Margaret Reese (3362).

Sandia employees interested in working with the Sandia Players, particularly in the directing phase, are asked to contact Walt at Ext. 31170. A major production is planned for the fall.

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C. R. Balistrere G. Banos R. C. Colgan J. deMontmollin



R. M. Fegan J. McLay C. F. Selby J. G. Wimpling

Sandia Scouters Helped in Annual Manzano Camporee

Nine Sandians took an active part in the recent annual camporee of the Manzano District, Boy Scouts of America, held in the Pecos area.

The three-day camporee was deemed the largest and most successful in the history of the Manzano District. The Sandians included G. A. Fowler (5000), John Leslie (3431-2), Dale Buchanan (1615), Howard Singleton (1247), Lewis P. Wilson (1621), William Clark (1615), Art Clark, Jr. (1232), Arthur Bullhorse (1612) and Joe Meland (2444).

George Enzmann Sails 'Pumpkin' to First Place Honors

"Pumpkin," a 14-ft. sailboat skippered by George Enzmann (8116-1), won first place in Class B at the recent "Lido 14 Races" in Oakland. It was George's first trophy.

The races are held three times a year by the San Francisco Bay Area Lido district boat clubs. The "Pumpkin" raced a dozen other Class B craft over a lengthy course on Lake Merritt.

Patio Party

A "Patio Party" will be held at the Coronado Club July 2 starting at 6:30 p.m. Swimming pools will be open until 9:30, and dancing to the music of Bud Fischer's orchestra will begin at 8 and last until 12.

Price of admission is 50 cents for members, \$1 for guests.

Full Summer Fare Available to Fans Of Opera, Theater, Lecture Programs

New Mexico is culturally bent, judging from the number of theatrical and musical events planned for the summer months.

Plays will be presented in both Albuquerque and nearby Corrales, a full slate of lectures on varied topics will be offered, "under the stars" at the University, and at Santa Fe top-notch talent will perform eight operas.

William F. Carstens (3423) and "Roy" Stradford (2565) have been appearing in "Visit to a Small Planet," which was presented by the Corrales Community Theater. Bill is also slated to play the part of "Jeter" in "Green Grow the Lilacs," which may be seen July 8-9-10, 15-16-17 and 22-23-24. The playwright, Lynn Riggs, was living in Santa Fe at the time the play was written. It was later adapted for the musical "Oklahoma."

First Year

This is the first year the Corrales Community Theater has been in existence. Performances are held in a redecorated adobe build-

ing, about three miles north of the Alameda bridge. Further information may be obtained from the box office, DI 4-8941, Wednesday through Sunday afternoons. The season will close in August with a presentation of "Barefoot in Athens" by Maxwell Anderson.

The Summerhouse Theater at 1520 Central Ave. SE will present a full summer of international hits. Performances are held Wednesday through Sunday evenings with a different play each week by foreign playwrights. Opening with an Austrian comedy "La Ronde," other offerings will include T. S. Eliot's "The Confidential Clerk," Lawrence and Lee's "Auntie Mame," Andre Roussin's "The Little Hut," and Jan de Hartog's "The Fourposter," as well as others.

Both individual and season tickets are available. Call CH 3-0292.

Santa Fe Opera

The Santa Fe Opera, in four years established as one of the best summer operas, opened the 1960 season this week with performances of Gilbert and Sullivan's "The Gondoliers." All operas are sung in English by young, talented singers from well-known opera houses. Igor Stravinsky will conduct the performances of his "Oedipus Rex" and actor Jose Ferrer will make his singing debut in the title role in Puccini's "Gianni Schicchi."

Other operas to be presented at the outdoor theater in the mountains just north of Santa Fe will be Tosca, The Marriage of Figaro, Cinderella, The Rake's Progress and La Traviata. Information and tickets are available at Reidling Music Store in Albuquerque.

The University of New Mexico's ever-popular "Under the Stars" lecture series will begin June 27 with Wilson O. Clough, University of Wyoming faculty member, speaking on "Painting in Words." The free lectures are held each Monday at 8 p.m. in the UNM Administration building patio.

Other speakers scheduled are: July 11, S. E. Gerard Priestley, "The Near East Today;" July 18, Edward Peterson, Jr., "A Living Death;" July 25, Dr. Estelle Ford Warner, "India—Whither Goest;" Aug. 1, Clyd T. Crobaugh, "The Deception of Words," and Aug. 8 Hilton Power will speak on "An Alien Amongst the American Corn." The series has been held annually since 1947.

W. B. Estill Speaks At St. Joseph's College

W. B. Estill (1622-1) presented a talk last week to an electronics workshop group attending St. Joseph's College. Title of the talk was "Introduction to Electron Microscopy."

More Volunteers Needed to Bolster Low Supply in Livermore Blood Bank

More than 50 Sandians have signed up to contribute blood during an interim drive to be held July 8 by the Livermore Laboratory Blood Bank.

Needed are a total of 100 volunteers to replenish the bank's supply which has dropped from 53 pints to six pints since the bank was established last fall.

Blood drawn from the bank during that period was put to good use with 47 pints provided to aid in the recovery of employees or their dependents who required the life-giving fluid following emergencies or surgery.

Among those who drew from the account were John A. Manrow (8223-1) and the wife of Bill Clark (8153-2). They were among

10 users of the bank. Average amount administered to each patient was five pints.

"These amounts are not unusual," said Ray Huston, supervisor of the Employee Service, Wage and Records Section (8212-2), administrators of the bank. "We shall need blood periodically if we are to continue operating the blood bank." He added that the July 8 drive will be one of a series of campaigns to keep a ready supply on hand.

A mobile unit of the blood bank will be at the LRL cafeteria to accept donations July 8. Employees wishing to give blood should make arrangements with Employee Services as soon as possible.

Eight Directors Elected by Coronado Club Membership

Eight new Coronado Club directors were elected at the annual meeting of members last week. They join Harold Schulte (4411) and Tommy Kelly (2451), who were elected last year for two-year terms, and W. G. Funk (3120) and F. E. Abbott (AEC), appointed Board members.

than serving until the next annual meeting.

Directors elected for two years are George Banos (3122), John McLay (1420), Charles Selby (2621) and John Wimpling (2713). One-year term directors are Charles Balistrere (3452), Bob Colgan (3431), Jim deMontmollin (1262) and Bob Fegan (AEC).

Under a change in the by-laws, also approved by members at the meeting, four directors will be elected for two-year terms and two for one-year terms. Purpose of the change is to provide better continuity by enabling succeeding boards to be more familiar with problems and policies of the club and to function as a unit much more rapidly.

The approved by-laws change now states that board-appointed directors will serve for the balance of the unexpired term of a vacancy on the board, rather

At a special meeting of the Board on Friday, June 17, the following officers were elected: Harold Schulte, president; Tommy Kelly, vice president; Chuck Selby, secretary, and George Banos, treasurer. Committee chairmen are Mr. Kelly, bar and physical plant director; John McLay, outdoor recreation; Bob Colgan, publicity; John Wimpling, bingo; Bob Fegan, membership and by-laws; Jim deMontmollin, indoor recreation, and Charles Balistrere, entertainment.

Magazine Article Reminds Sandia's R. E. Poole of First U.S. Radar

Old memories were brought home to R. E. Poole, vice president at Livermore Laboratory, the other day as he was leafing through the latest issue of the American Institute of Electrical Engineering magazine.

An article about the Signal Corps centennial year mentions that the first American radar set was successfully demonstrated at Fort Monmouth, N. J., on May 18, 1937. It was an experimental model later known as the SCR-263, designed and developed by the Signal Corps.

Mr. Poole recalled that in 1939 he headed a group of engineers and draftsmen sent to Fort Monmouth by Bell Telephone Laboratories to develop manufacturing information for the SCR-268. With this information Western Electric Company built the radar

units for the Army.

The article should also bring back memories to L. A. Hopkins (2500), who was the Signal Corps officer-in-charge of the first seven radar sets to be installed in gun battery positions at Panama in October 1941. The first commercial SCR-268 was installed in Iceland in September 1941.

"Lou Hopkins has had plenty of opportunity in the last 10 years to tell me how difficult it was to keep the radars operating in the Panama environment," Mr. Poole said.

Presents Library Paper

W. H. Richardson (3421-1) presented a paper at a recent Special Libraries Association Convention in Cleveland, Ohio.

Title of the paper was "The Application of Machines to Library Techniques: Circulation Control."



VISITING SANDIA recently was Virgilio Gonzales, second from left, supervisor of maintenance, electrical and communications systems for the principal refinery in Colombia, who toured Sandia Plant

Engineering facilities and visited with old friend B. R. Lorenzen (4543), left. On right are Harry Pastorius, manager of Plant Engineering Department 4250, Earl Craven, Design Division 4543, supervisor.

Livermore Lab Personnel Help In Non-Nuclear Blast Tests

Sandia Corporation's Livermore Laboratory will participate in two chemical high explosive detonations planned for June 24 and July 3 in connection with Project Plowshare, the use of nuclear explosives for peaceful purposes.

Known as Project Pinot, the two non-nuclear detonations will be made in the Bureau of Mines Experimental Oil Shale Mine near Rifle, Colo. The purpose of the experiment is to obtain information useful in predicting the effects of a possible nuclear detonation in oil shale, a proposal which is under study by the Lawrence Radiation Laboratory as part of the AEC's investigation of the peaceful uses of nuclear explosives.

Explosives used in the experiment will be nitro-methane, a commercial solvent which has an explosive force slightly greater than that of TNT. Lyle Hake and Ivan French, both of Nuclear Support Section, Livermore Laboratory, will be responsible for arming and firing the explosives as well as for placing the charges. They also assisted LRL in the design of the explosive devices.

Detonations will be set off in sealed holes, approximately 125 feet deep, located inside one of the mine entrances. The liquid explosive will be contained in a plastic bag inside the sealed hole. When

filled, the bag for the 5000 pound explosion will measure 36 inches in diameter by 10 feet in height. The charge for the smaller explosion will fill a bag 6 feet high by 20 inches in diameter.

A detonator, housed in a plastic bag inside the bag containing the charge, will also contain a minute amount of Krypton 85, a radioactive tracer, which will be used to detect any gas diffusion resulting from the explosion.

Krypton 85 is a chemically-inert gas which will not react with materials of the earth or water, and presents no biological hazard. No nuclear explosion is involved.

Use Oil Shale Mine

The experimental oil shale mine is located about five miles from Rifle in Northwestern Colorado. The mine entrance is in the face of an escarpment above the floor of the Colorado River Valley. Oil shale in this formation has been mined experimentally for many years and is part of the vast deposits found in Wyoming, Colorado and Utah.

The AEC and the Bureau of Mines have been looking into the possibility that completely contained nuclear detonations could be used to fracture oil shale and thus reduce the cost of extracting shale oil from it. To date the feasibility of using nuclear detonations for such purposes has not been

established. No nuclear detonations have been authorized nor a site selected for nuclear experiments of this type.

Primary technical responsibility for conduct of the high explosive experiments in the mine rests with Lawrence Radiation Laboratory. Director of the experimental study is Clifford M. Bacigalupi of LRL.

Accountants Group Achieve Chapter Rank; Sandians Elected

The last meeting of the Albuquerque Chapter of the National Association of Accountants organization was important for two reasons: new officers were elected and the group attained "chapter" status.

The local group was organized two years ago and a year ago attained "group" status. According to the national office, this is the first time that a "group" has advanced to "chapter" status—usually the number of members remains constant. Seventy-five members are required for chapter status and the Albuquerque chapter now has 90 members.

The newly-elected officers include Sandians R. E. Duke (4122) and R. S. Cox (4113), both of whom were named vice presidents.

Plans were announced for the next meeting, scheduled for September, which will feature E. M. Shonka, manager of Auditing Department 4120, as guest speaker.

Sandia Bridge Club Formed, Play Mondays

A new Sandia Corporation Bridge Association has been formed and has been in operation three weeks. Play begins every Monday night at 6:30 p.m. at the Coronado Club with prizes being awarded to the winners.

The bridge group is a Sandia Corporation sponsored event and every employee is invited to come out and play. Eleven teams of bridge players already have been formed. A championship playoff is scheduled for November and trophies will be awarded by Sandia.

Arrangements are being made to provide practice sessions during the noon hour for those who are interested. One section of bridge players on Monday night is being reserved for those who are not familiar with duplicate bridge.

For further information contact Tom Laney (5241), president, ext. 45151, or George Arnot (1422), ext. 36245.

M. J. Davis Died Suddenly June 12

Funeral services were held last week for M. J. Davis, 46, who died suddenly June 12.

Mr. Davis was a technical editor in Review and Reports Division 5513 and had been at Sandia more than three years. His illustrations and cartoons have appeared in a number of Corporation booklets. In addition, he designed and built the animated displays depicting Quality Assurance which appeared at the Armed Forces Day exhibit and the State Fair in 1958, and designed the "Man in Space" attraction for the 1959 Sandia State Fair exhibit.

Survivors include his parents, a sister and an aunt, all in Albuquerque.

A memorial fund is being established in Mr. Davis' name to be used toward a scholarship for an art student at the University of New Mexico. Bill Fears (5513-3) is managing the fund.



AWARD OF HONOR has been presented to Livermore Laboratory by the National Safety Council in recognition of 3,101,421 man hours worked without a disabling injury. The award, covering the period from September 1955 to May 5, 1960, is the highest recognition granted by the Council for an outstanding safety record.

Promotions and Transfers

- Dorothy L. Stewart (8212) to Steno. Clerk
- Linda L. Burrow (8212) to Typist Clerk
- Karen K. Wilson (8212) to Steno. Clerk
- Karen L. Griffiths (8212) to Typist Clerk
- Troy L. Wideman, Jr. (2721) to Staff Asst. Tech.
- John M. Reilly (4411) to Staff Asst., Sr. Draftsman
- James N. Volkman (4411) to Staff Asst., Sr. Draftsman
- Alyce J. Lovelless (8114) to Staff Asst., Sr. Draftsman
- Sandra L. Barela (3126) to Typist Clerk
- Benny C. Baca (5512) to Record Clerk
- Ann W. Williams (3126) to Secretarial Steno.
- Margie S. Sena (3126) to Report Clerk
- Donna J. Sebold (3126) to Secretarial Typist
- F. Joanne Bauer (3461) to Document Clerk
- Marie B. Stone (8225) to Sr. Clerk
- Gabriel Gutierrez (8232) to Ozalid Operator
- Stephen D. Phillips (8225) to Receiving Clerk
- Conrad H. Rogers, Jr. (8222) to Electrician
- Joan N. Tucker (8212) to Secretarial Steno.
- Spencer N. Truitt (8232) to Mail Clerk
- Harkey Boiling (3463) to Chartist
- Barbara E. Reneau (8212) to Secretary
- Margaret A. Zumwalt (8233) to Typist
- Jeanne R. Smith (8123) to Math. Analyst
- Bruce W. Craven (3466) to Document Clerk
- Cyril D. Moy (8224) to Utility Operator
- J. B. Jankowski (3463) to Record Clerk
- George C. Gray (8225) to Stockkeeper
- Frank L. Keene (2641) to Staff Associate, Adm.
- Billy J. King (3452) to Schedule Clerk
- Ruth A. Redmond (3461) to Sr. Clerk
- Joanne G. Boyd (4600) to Secretary

- G. H. Welsh, Jr. from 4325 to 4332
- J. K. Wichelns from 4316-2 to 4325-2
- F. A. Bentz from 4325-2 to 4314-2
- D. B. Sparger from 8225-3 to 8223-5
- R. S. Cook from 8161-1 to 8116-4
- J. F. McManus from 8114-5 to 8232-5
- J. E. Miller from 8211-3 to 8211-4
- A. P. Gruer from 5260 to 5210
- L. P. Robertson, Jr. from 5544-4 to 1414-2
- V. A. Southerland from 4611-4 to 4614-2
- C. C. Gulley from 4611-2 to 4614-1
- F. H. Vishaway from 4614-1 to 4613-2
- J. L. Hollenbeck from 4611-5 to 4611-3
- S. DeHaan from 4611-3 to 4611-2
- L. E. Bothell from 1613-1 to 1283-3
- J. J. Miller from 5251 to 5231
- C. L. Gommel from 5234 to 5254
- E. L. Jenkins, Jr. from 5234-1 to 5254-1
- C. E. Ingersoll from 5234-2 to 5254-2
- G. P. Stobie from 5233 to 5255
- W. V. Hereford from 5254 to 5234
- V. K. Smith from 5254-1 to 5234-1
- H. E. Hansen from 5231 to 5251
- A. D. Thornbrough from 5231-1 to 5251-1
- D. G. Palmer from 5231-2 to 5251-2
- R. S. Millican from 5262 to 5221
- B. C. Benjamin from 5216 to 5221
- G. L. Miller from 5243 to 5244
- G. W. Rolloson from 5221 to 5223
- R. C. Spence from 5223 to 5243
- R. D. Statler from 5261 to 5212
- B. G. Edwards from 5261-1 to 5212-1
- H. Bowen from 5257 to 5214
- W. H. Everhart from 5216-3 to 5244-2
- J. G. Hawley from 5262-3 to 5212-2
- H. G. Sweeney from 5216-2 to 5244-1
- J. M. Miller from 4623-1 to 4621-1
- J. H. Porter from 5213-2 to 3464-4
- J. W. Pinkerton from 2721-3 to 2722-2
- E. R. Lopez from 2724-1 to 2721-3
- H. V. Riley from 2722-1 to 2724-1
- C. Crider, Jr. from 2722-2 to 2724-2
- E. C. Hirt from 5544-2 to 3463-3

Bldg. 808 to Undergo Modification For Dept. 1620 and 5130 Occupants

Bldg. 808 at Sandia Laboratory will be undergoing modification in the near future, according to an announcement by the AEC.

Bids will be opened next week for two projects that will facilitate occupation of the building by various activities of Physical Research Department 5130 and Materials Standards Department 1620.

Phase I of the modification calls for relocation of existing mechanical equipment and installation of new electrical equipment. Plant Engineering project engineer for this work is R. M. Simmons (4543-2).

Second phase project engineer is Vernon Kerr (4543-3). This phase consists of modifications to the existing structure, minor concrete and masonry work, construction of two soundproof rooms, one darkroom, one dust-free room and approximately 250 linear feet of

wood stud partitions.

Research projects to be conducted after modification of the building include two exploding wire studies conducted by E. C. Cnare (5131) and T. J. Tucker (5131), a shock wave analysis study headed by S. E. Whitcomb (5131), an electrical measurements research project by R. W. Kulterman (5132), a solid state research project using nuclear magnetic resonance technique by D. H. Anderson (5132), shock wave and impact studies headed by R. A. Graham (5132), and a high pressure physics laboratory and related projects headed by J. D. Dudley (5132).

The Nonmetallic Section 1621-3 headed by L. M. Berry will also occupy part of the building.

Work of Bldg. 808 is expected to be completed within 60 days after the contractor receives notice to proceed from the AEC.

Welcome Sandia Corporation Newcomers

June 6-24		Delbert D. Stewart 4253		*John C. Garrison, W. Lafayette, Ind. 5150		*Eugene A. Ripperger, Austin, Tex. 1310	
Albuquerque	Richard H. Braesch 2421	John P. Trodden 1627	Gary L. West 5223	*Ira H. Gilbert, Cambridge, Mass. 5150	*L. David Roper, Cambridge, Mass. 5113	Judah L. Rosenblatt, West Lafayette, Ind. 5120	*Michael K. Sain, St. Louis, Mo. 1420
	Marilyn V. Becker 4333	Barbara A. White 3126		James E. Gillis 4411	*Earl R. Gruer 4411	*Barry J. Sands 4412	*Maria A. Sannella, Madison, Wis. 5120
	Merejildo Gallegos 3464			*Jefferson A. Hamlin 4518	*Robert J. Hansen 4411	David B. Saylor, Madison, Wis. 5120	Wandel A. Scarbrough, Chicago 5242
	*Clarence W. Huddle 5133			*Gerard W. Hauer, Jr. 5224	*Harry C. Hardge, Austin, Tex. 1310	Franz W. Schneider, Chicago 5121	*Elizabeth A. Schwartz 3126
	Bobby D. Kindsvater 3464			*Winifred M. Horne 3444	*David L. Hutchins, Columbus, O. 1413	*Robert L. Schwartz 4518	Alan L. Seely, Boulder, Colo. 1611
	Carolyn B. Measew 1264			David L. Iden 4412	*Deanna M. Irvin 4333	Ned A. Sigmon, Raleigh, N. Car. 1615	*E. Lynn Slaven, Rolla, Mo. 1631
	David E. Merewether 1614			*Robert E. Jordan 4412	*James E. Karajala, Princeton, N. J. 1432	Richard E. Slusher, Rolla, Mo. 1631	Carol L. Smith 3466
	*Lee J. Seligman 1614			*Jack M. Karcher 4412	*Dennis S. Karajala, Princeton, N. J. 1432	Richard E. Spaulding, W. Lafayette, Ind. 4400	*Stephen M. Sprague 4412
Illinois	DuWayne A. Branscombe, Chicago 2420			Larry Z. Kennedy, University Park, N. M. 2752	*Norma Jean Loekle 3126	Phillip L. Stanton, Austin, Tex. 1310	Robert E. Stephenson, Salt Lake City, Utah 2420
				James R. Kimzey, Fayetteville, Ark. 1610	Leland L. Long, Rolla, Mo. 2532	*Karl K. Stevens, Manhattan, Kan. 1320	*Charles E. Stoneking, Atlanta, Ga. 1626
Indiana	Arthur F. Brown, Notre Dame 2542			Clarence K. Kirchbaum, Crestline, O. 0110	Joseph B. Losinski, Bozeman, Mont. 5520	Martha D. Tackett 3421	*Dorothea C. Taunton 3126
	John P. Brane, Ft. Wayne 4411			David L. Kohlman, Lawrence, Kan. 5143	*Raymond P. Lutz 4360	*John H. Welch, Stanford, Calif. 5120	*Jack E. Thompson 1613
Iowa	Glenn R. Case, Ames 1224			R. Bruce Lemm 4518	*Rebecca G. Maglidt 3463	John R. Wetherholt 5112	*Tommy B. Thompson 4411
				*Norma Jean Loekle 3126	*Marion K. Marks 3153	John A. Wiebelt, Stillwater, Okla. 1283	*Thomas J. Tisch, Cambridge, Mass. 5140
Kansas	James F. McDowell, Jr., Lawrence 2555			*Leland L. Long, Rolla, Mo. 2532	*Mary R. Mayes 3126	Raymond A. Wiesen, Chapel Hill, N. C. 1440	Elaine M. Urbanski 3466
	Leo W. Scully, Manhattan 5224			Joseph B. Losinski, Bozeman, Mont. 5520	*Howard W. McCauley, Iowa City, Ia. 4543	Marvin S. Wilensky 3463	*Neal R. Vanstrom, Bemidji, Minn. 1322
Kentucky	Norbert F. Siska, So. Ft. Mitchell 2451			*Rebecca G. Maglidt 3463	Marilynne B. McKay 3466	Robert E. Stephenson, Salt Lake City, Utah 2420	Richard A. Wallace, Brooklyn, N. Y. 1310
Mississippi	James A. Henley, Ethel 2533			*Marion K. Marks 3153	William, McNamara, Cambridge, Mass. 5140	*Charles E. Stoneking, Atlanta, Ga. 1626	William E. Warren, Cortland, N. Y. 1332
				*Mary R. Mayes 3126	John D. Messersmith 3464	Martha D. Tackett 3421	Thomas W. Welch 4518
Missouri	Fernon D. Betche, Florissant 2451			*Howard W. McCauley, Iowa City, Ia. 4543	*LeRoy C. Meyer, Fargo, N. Dak. 5222	*John H. Welch, Stanford, Calif. 5120	John R. Wetherholt 5112
	Leroy B. Brace, Kansas City 2450			Marilynne B. McKay 3466	*Betty J. Morrow 3126	John A. Wiebelt, Stillwater, Okla. 1283	Raymond A. Wiesen, Chapel Hill, N. C. 1440
	Donald G. Mueller, Rolla 1615			William, McNamara, Cambridge, Mass. 5140	*Oliver D. Neece 1413	Marvin S. Wilensky 3463	Owen P. Williams 1614
	Robert L. Rutter, Columbia 5251			John D. Messersmith 3464	*Allan W. Ness 4413	Samuel Williamson, Cambridge, Mass. 5230	David L. Wilcox, Urbana, Ill. 2451
New Mexico	Paul R. Kintzinger, Socorro 5112			*LeRoy C. Meyer, Fargo, N. Dak. 5222	*Nancy M. Ness 4413	Joyce Wilbank 3126	David L. Wright 4518
				*Betty J. Morrow 3126	*Nancy M. Ness 4413	Helen R. Wright 4362	Michael W. Wright 4411
New York	Robert E. Decker, Alfred 2544			*Oliver D. Neece 1413	Richard E. Nix, Blacksburg, Va. 5230	Patricia A. Wynand 3311	Glen W. Zumwalt, Stillwater, Okla. 5141
				*Allan W. Ness 4413	Clyde J. Northrup, Jr. 5230	Denotes Rehired	
Oklahoma	Richard G. Absher, Stillwater 2723			*Nancy M. Ness 4413	*Charles E. Nuckolls, Stillwater, Okla. 1612		
				*Judith L. Dodd 4113	*Arleen L. Olson 3126		
Pennsylvania	David C. Bickel, Altoona 1615			*O. Karen Dorris 3126	Paula F. Paul 3126		
				*Marilyn Douclass 3463	*Thomas C. Paul 4412		
Texas	Raymond D. Kreig, Austin 1422			Charlene S. Dunn 3423	*W. Kenneth Paul 4361		
	W. Kenneth Ream, Longview 1627			*Marvin M. Duphorne 4412	*Frances M. Pepmuller 4361		
	*Hugh D. Wade, Austin 2723			Nancy Elliott 3466	*Paul E. Phipps, W. Lafayette, Ind. 1615		
Washington	Kurt Askin, Seattle 2561			*Harold E. Elliott, So. Bend, Ind. 1432	*H. Louraine Pittard 3126		
				*Janet E. Enns 3126	*Karen K. Quelle 3126		
Returned from Leave	A. Betty Allen 4413			John F. Feltz, Columbus, O. 2723	*Carl F. Radwanski 4411		
	Frank Biggs 5111			*Eleanor F. Fenley 3126	James J. Rhyne, Urbana, Ill. 5150		
	Eddis J. Fidel 2644			D. William Fenstermacher 3464	*E. Ann Ripperger, Austin, Tex. 3423		
	Marcella L. Gallegos 4431			Jean S. Findlay 3466			
	Tony Garcia 4254			Roland L. Finley 4543			
	C. Leroy Hansen 1321			Edmund L. Franzak, Columbia, Mo. 5150			
	Rosie Jo Hayden 3461						
	Kenneth L. Kudrna 2421						
	Florence M. McCabe 3126						
	Tex E. Samuelson 4614						



BIRDWATCHING by members of Division 8162 didn't deter a mother finch from producing four fluffy fledglings on the sill of one of the office windows. Joan Acker, secretary in the division, records developments on tally sheet. During incubation, office employees drew window shutters for the fussy finch when it rained or when they left at night. Another family of birds has set up nestkeeping in the window of the Tabulating Room in Division 8213.

Final Noon Movie Program Released

As an economy measure, Sandia Laboratory's noon hour movie program will be discontinued at the end of June, Services and Benefits Division 3122 has announced.

Following is the schedule for the remainder of June:

June 27-28-29

"Christopher Columbus" with Frederic March, Florence Eldredge (color).

The movie will be shown in the Sandia Base Little Theater which is located south of the military cafeteria on Main St.

Fire Damages Home Of Sandia Employee At Livermore Lab

Fire of unknown origin damaged the home of Anthony T. Norwich (8223-4) at 548 Neal Street, Pleasanton, on June 13. His wife suffered minor arm and neck burns in the blaze and his 13-year-old son, who was asleep at the time, escaped injury.

The fire destroyed the garage and family car and partially destroyed the kitchen and roof. Furnishings received extensive smoke and water damage.

Hypnotist to Appear At Coronado Club Friday, July 1, 8 p.m.

Mass hypnotist Frank Peterson will appear at the Coronado Club Friday, July 1, at 8 p.m. Admission price is 50 cents for members, 25 cents for children under 18, and \$1 for guest adults.



Hypnotist Frank Peterson

In his shows, Mr. Peterson uses an advanced form of hypnosis by inducing the somnambulist state of hypnosis without first inducing the hypnotic sleep. To the on-looker the subject is wide awake, yet the somnambulist phenomena is produced by Mr. Peterson, omitting several stages of the hypnotic sleep.

During a feature in the show, called the Hindu Fire Sleep, the audience will be given the chance to feel the power of hypnosis. Since Mr. Peterson never hypnotizes a person against his will, only those who take part in the feat voluntarily will be affected.

In another demonstration, the hypnotist causes the entire audience to become invisible. Many of his feats have as yet never been duplicated.

Mr. Peterson has studied the art of hypnosis under the best hypnotists in Europe.

Sandia Service Awards

10 Year Pins



Dennis S. Chavez 2642 June 13, 1950



Clifford L. Pecha 4513 June 28, 1950



Billie L. Pierce 5243 June 29, 1950



Manuel Vallejos 4514 June 29, 1950



Clement F. Toft 2562 June 28, 1950



William C. Myre 5252 June 29, 1950



Robert J. Blount 4170 July 3, 1950



Robert J. Scussel 5231 July 3, 1950

Five Year Pins

June 25 - July 8

Warren H. Arthur 4573, Richard F. Ashmore 1332, Stewart A. Bliss, Jr. 2542, Lewis A. Hanchey 1247, Wayne R. Lewis 4582, Helen M. Norvell 4131, Eugene C. Cnare 5131. Carroll A. Coonce 5144, William L. Gibson 4254, Donald R. Lewis 5332, Ronald E. Martinell 8162, Bruce A. Wickesberg 2441, Glenn R. Norris 1263, William H. Jackson 4151. Curtis D. Oqverson 1424, Frances R. Aaron 2724, J. R. Martindell 2422, Roland A. Lincoln 2752, Ruth G. Peterson 3126, Rosanne M. Du-bois 3462, E. Genese Shieler 4431.

B. E. Dieruf Has Article Published in Missiles and Rockets

B. E. Dieruf (3431-2) is the author of an article appearing in a recent issue of Missiles and Rockets. Entitled "Hot Bolts Best for Impact Location," the article describes tests made by Sandia's Field Test organization to determine the best method for finding missile impact locations.

Burt discusses the use of liquids with sharp odors, fire-orange paints, and radioactive bolts.

Bowls High Scratch 255 Game at Livermore

Jim Olsen (8115-2) bowled a high scratch game of 255 recently in the Sandia Mixed Handicap League. Jim, a bowler on the Black Markers team, rolled a 252 last summer but the 255 score is his highest yet. Jim bowled four spares and eight strikes in the game.

SHOPPING CENTER

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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 VACUUM cleaner, '60 model tank type with attachments. Cost \$89, sell for \$45 or swap for used upright in good condition. Johnson, AX 8-1011.
- ORCHID PLANTS, Epidendrum, large size, \$6 each. Merrell, AX 9-0348 after 6 p.m.
- AUTOMATIC WASHER; 20" window fan; vacuum cleaner; 5" oscilloscope. Miller, AX 9-9474.
- FISH AQUARIUM, guppies, heater, lamp, make offer; citizen band portable whip antenna, \$10; RCA 12" hi-fi speaker, \$20. Stueber, AX 9-2414 after 5 p.m.
- P-38, \$35; .22 rifle, bolt action, clip-fed with Weaver B-4 scope, \$20. Donaldson, BU 2-3175.
- 3 PC. SECTIONAL, charcoal, \$50. Dauzat, AX 9-0192 after 5 p.m.
- '59 LAMBRETTA scooter, TV175cc, buddy seat, windshield, clock, epoxy painted, \$400 or trade for pickup truck. Petrini, AX 8-0433 after 5 p.m.
- GAS RANGE, Kenmore, 2 ovens, \$35. Shaw, AL 6-9048 or see at 2104 La Veta NE.
- REFRIGERATOR, 10 cu. ft. Philco, 40 lb. freezer section, \$65. Smailer, AX 9-8413.
- MOTOR SCOOTER, Cushman (All State), Pitti, AL 6-1629.
- DOUBLE BED and spring, \$15, with mattress, \$20; used 9 x 12' rug, \$3; boy's 24" bicycle, \$15. Hicks, 321 Manzano St. NE, AM 8-8640.
- DEEP FREEZE, 18 cu. ft. Leonard, upright model, 1 year old; 3 saddle horses. Hoffheins, ext. 32149.
- SERVEL REFRIGERATOR, 8 1/2 cu. ft., extra head for butane for country cabin, \$40. Angell, CH 3-2713.
- '53 PICKUP, International, 4 speeds, \$295. Kirtley, AL 6-0637.
- 3 BDR. BELLAMAH home, GI loan, 3 major appliances, w/w carpet, AC, drapes, walled, landscaped. Coleman, 11012 McKnight NE, AX 9-0293 after 5 p.m.
- GAS STOVE, Hardwick, \$40 or best offer. Batchelor, AX 9-4831.
- GYM SET, two swings, whirlwind and 10' slide, three pieces for \$20 or will sell separately. Scott, AX 9-3412.
- COUNTRY HOME, six acres, fenced, two bedroom home, garage, fireplace, playhouse, 160 ft. water well, modern. Trean, AX 8-1066.
- 22 RUGER single six, stag grips, holster, \$60. Winchester 1873, 32-20 rifle, \$35. Wilson, 308 60th NW, CH 7-2122.
- '54 FORD Six, two-tone green, 2-dr., new battery, R&H. See at Men's Dorm, Sandia Base. Kasparek, ext. 22132.
- BOX SPRINGS and mattress for single bed. Rutherford, AM 5-0120.
- '60 OLDS Fiesta station wagon, air deluxe, regular Rocket. Cummings, CH 2-1061 after 5 p.m.
- 6 YR. CRIB, mattress, \$11; port-a-crib, \$10. Peterson, AX 9-5921.
- '53 OLDSMOBILE 88, 4-dr., \$285 or highest bid. La Point, AM 8-2290.

- TRAVEL AIRE Model 1260 large portable evaporative cooler and stand, reasonable. Thornton, AX 8-1290.
- '52 PLYMOUTH 4-dr. sedan, motor recently overhauled, car looks rough, \$145. Alpagh, 809 El Serano SW or ext. 35158.
- BEAGLE PUPPIES, registered pedigree, seven weeks old. Lewis, AL 6-6928.
- '55 THUNDERBIRD, std. shift, 2 tops, tonneau cover, other extras. Jacoby, 10209 Mesa Arriba NE, AX 8-0527.
- '56 JEEP station wagon, 4-wheel drive, 35,000 miles, \$1350. Baker, 2901 Texas St. NE, ext. 43269.
- 20" GIRLS bicycle. Schroll, AX 9-9142.
- '47 DODGE coupe, good shape for its age, \$125. Hewitt, 711 Guaymas Pl. NE, AM 8-2543.
- 3 BDR ROBERSON, 1450 sq. ft., plaster walls, drapes, corner lot, double garage, sprinklers, walls, \$1500 down to 43% GI loan. Stolt, AX 9-4016.
- '54 PONTIAC station wagon, hydromatic, PB, 4-dr, make offer; pedigreed poodle, 9 months old, all shots, must sacrifice. Hannah, AM 8-1932.
- MOTOR BIKE, 26" wheels, will accept bicycle in trade, \$45. Negaard, AX 9-9443.
- '56 CHEVROLET station wagon, R&H, overdrive, V-8, 9-pass, 4-dr., best offer. Salomon, AM 8-1389 after 5 p.m.
- YOUTH BED, oak, complete, \$25; RCA radio, \$10; 17" TV, \$15. Howard, 1313 Columbia NE, AL 5-7846.
- '55 PONTIAC, 2-dr., R&H, backup lights, standard trans., \$625. Merle, AX 9-9443.
- CLIMBING BARS, child's, \$7.50; 20" two-speed window fan, \$18; Cleveland corner, \$85. Miller, 2904 Dakota NE, AM 8-1939.
- ROBERSON 3 BDR, 1 1/4 baths, paneled family room, fireplace, hardwood floors, air conditioned, garage heated-insulated, humidifier, landscaped. Sutfin, AX 9-6805.
- '58 FORD Country sedan, 9 pass., white and light green, Fordomatic, R&H. Costello, 1828 Blume NE, AX 9-0563.
- MINOX LIGHT meter, \$5; 670x15 and 640x15 tubeless tires, \$3 each; sport coats, size 39-40, \$3. Weir, 2117 Martha NE, AX 9-1160.
- WESTINGHOUSE refrigerator, 10 cu. ft., \$70. Thompson, 3301 Pitt NE, AX 9-8785.
- '57 POWELL sports wagon, fishing rod compartment, trailer hitch, 20 mpg, 1/4 ton rating, 2600 lbs. gross, 70 mph top speed, asking \$495. Baxter, DI 4-7601.
- ROBERSON RESALE, largest model, 3 bdr., 1 1/2 bath, den, 2-car garage, payments \$101, GI 4 1/2% loan. Oberst, 9216 Arvada NE, AX 9-6644.
- AUTO AIR conditioner, evaporative, floor type, 6 volt fan motor, \$12.50. Sinnott, AX 9-1300.
- GOLF CLUBS, 3 Spaulding woods, 4 Wilson irons, ideal for beginner, \$10. Schonberg, AX 9-9437.
- BABY SCALE; sterilizer bottles; blond dresser; shoe skates and cases, women's size 8, men's size 9; utility trailer. Martin, AX 8-2064.
- WOOD BURNING combination cook stove and heater (Montgomery Ward), cost \$32 will sell for \$25. Stove pipe included. Hill, CH 3-3493 after July 4.
- PORTABLE CAR air conditioner, water-cooled, 12 volt North Wind, \$35. Miller, see at 1920 Lead SE.
- CLOTHES LINE, two slightly used poles and five 21 ft. lengths of wire, \$10. Proulx, AX 9-6066 after 5 p.m.
- AUTOMATIC WASHER, GE, \$35. West, AX 9-6775 after 6 p.m.
- PIANO, UPRIGHT grand, \$100. Edgeman, AX 9-7825 evenings.
- 200 USED cement patio blocks, half price. Kannolt, AX 9-1835.

NEXT DEADLINE FOR SHOPPING CENTER ADS Thursday Noon, June 30

- HARLEY-DAVIDSON motorcycle, 165, many extras, \$200. Young, AL 5-3955.
- MOTOROLA PORTABLE, 9 transistors, push-pull output, 4" speaker, 3 months old, \$40. Roth, CH 3-0522.
- MOVIE CAMERA and projector, 8 mm, \$40; "Q" multiplier, \$15; novice transmitter, \$25. Laskar, AX 9-1024.
- REFRIGERATOR, Hotpoint; dinette set, 5 piece; two day beds; two occasional chairs. Libby, 1714 Hermosa NE, AM 8-2025.
- LEATHERETTE UPHOLSTERY for '55 or earlier Volkswagon, complete, \$55. Shea, AL 5-8092.
- '60 FORD country sedan, 4-dr., R&H, overdrive, white with blue upholstery. Erne, 1128 Westerfeld Dr. NE, AX 9-0565.
- STUDIO COUCH, charcoal, converts to double bed, \$50. Bolz, CH 3-7560.
- PORTABLE DISHWASHER, \$37.50; 2500 cfm air conditioner, \$25; 6 ft. kiddies pool, \$4; clothes hamper, \$4; rural mailbox, \$2.50; complete spincast outfit, \$6. Hansen, AX 8-0308.
- DRESS FORM, \$7.50; Syracuse china, Portland pattern, Federal shape, 1/2 price; baby crib, \$15; canary, cage, stand, \$15. Stein, AX 9-8875.
- GE IRONER, 4 extra ironer covers, \$60. Karels, AX 9-7764.
- '59 LAMBRETTA scooter, \$300 or best offer. Grotberg, AX 9-1704.
- GERMAN SHEPHERD puppies, AKC registered, 5 weeks old. Williams, 292 Sandia Rd. NW.
- SWIMMING POOL, 3 bdr., den, DR, carpet, drapes, landscaped, sprinklers, AC, walled. Padilla, 426 Mesilla NE, AM 8-7476.
- BEDROOM SUITE including chest of drawers, dresser and double bed. Long, AX 9-1416.
- YOUTH BED, birch finish, 4 to 12 yr. size, complete with removable side rails and mattress, \$30. Hoagland, AX 9-7097.
- \$15.85 TOTAL, 3 bdr., 1 1/4 bath, brick, built-in barbecue, covered patio, fishpond, sprinklers, AC, carpeted, 4% G.I. Bascom, 8706 Candelaria NE, AX 9-1662.
- ICE SKATES, girl's size 3; reducing vibrating reclining couch. Reinertsen, AL 5-1954.
- 3 BDR HOME, 1 1/4 baths, large family room, new FHA, low down payment, near Bandler and St. Charles. Kodel, 2904 San Rafael SE, AL 6-0096.
- VOIGTLANDER Vitessa, F 2.8, built-in light meter, range finder, auto rewind, sell for \$75; '57 Chevrolet, stand, trans., R&H, \$795. Chavez, AX 8-0674.
- ROBERSON 3 BDR, 1 1/4 bath, AC, walls, sprinklers, \$15,500 total, 43% GI, \$2600 equity, will negotiate. Frisby, 11012 Elvin NE, AX 9-0045.
- BOAT, 12 ft., 115 lb. alumina craft, \$150. Haskell, AX 9-3550.
- '54 FORD Crestline fordor, R&H, overdrive, new recaps & tune-up. Loan value \$375, will sell for \$395. Oard, ext. 45267.
- 3 BDR, utility room, garage, carpet, forced air heat, disposal, landscaped front and back, walled backyard. Benavidez, 3212 La Veta Dr. NE, AL 6-4760.
- '57 DODGE Coronet, 4-dr., auto. trans., R&H, air conditioning, \$1250 or best offer, 36,000 miles. Quigley, AL 6-3020.
- AUTO AIR conditioner, evaporative, 12 volts, \$25. Fisher, AL 6-2891.

- CAR COOLER, evaporative type, 2 gal. cap., 6 volt, recirculating pump and fan, \$10; army cot, \$5. Rebarchik, AX 9-1385.
- 3 BDR, 1 1/4 bath, Hoffmantown brick home, corner lot, sprinklers, air conditioned, garbage disposer, \$800 down. Thompson, 2702 Mesa Linda Dr. NE AX 9-0092.
- '59 STUDEBAKER Hawk, V-8, R&H, overdrive, w/w tires, other extras, actual 27 mpg on highway. Gaugler, CH 3-8912 after 5:30 p.m.
- '57 VOLKSWAGEN, leatherette uph., radio, \$1195; 3-pc. sectional sofa; two Danish modern chairs; pole lamp; table lamp. Sabisch, 3821 Delamar NE, DI 4-6185.
- VENETIAN BLINDS \$3-5; stainless and plastic high chair, \$10; expensive baby bed and mattress, \$25. Marsh, 1105 Childers Dr. NE, AX 9-2098.
- SIAMSE Sealpoint kittens, affectionate, \$5; Regent portable sewing machine, reasonable. Brinegar, AX 9-5618.
- 21" SILVERTONE TV with stand, \$65; 17" Stromberg Carlson TV, old but works well, \$35. Wyant, AX 8-0371.
- GIRL'S BIKE; baseball shoes; lifting weights; Taylor-tot stroller. Fulcher, 337 Mankin NE, AX 9-8888.
- PINGPONG TABLE, \$19; Schwinn 26" men's bike, \$18; 3 1/4 hp motor bike, \$49. Roth, 3505 Pitt NE, AX 8-2175.
- FOUR CHOICE residential lots, 60' x 137', near development in Enchanted Mesa addition, \$1395 each, less for cash. Clark, 1212 Childers NE, AX 9-1129.
- HORSE TRAILERS, one single, one double; utility trailer. Garrison, DI 4-2023 after 5 p.m. or see at 224 Vineyard NW.
- DACHSHUND PUPS, AKC registered, 8 weeks old, \$50; terms can be arranged. Shope, AL 6-9519 or CH 3-9010.
- 15 ACRES mountain land, heavily wooded, level, good water prospects, \$500 per acre, 10% down. Sinkey, AM 8-4069.
- 3 BDR, CH, AC, landscaped, 4 1/2% GI, low down payment, grade and high schools two blocks, owner will sell or trade. Struxrud, DI 4-7873.
- DOUBLE BED set, bleached mahogany, Ostermoor matched mattress and box spring, \$50. Keever, AX 9-1334.
- PIANO, blond Baldwin Acrosonic spinet, with bench, reasonably priced. Olson, AL 5-2226.
- 16' BOAT, aluminum w/trailer, 12 hp motor, \$325; room cooler, \$10; portable recirculating air conditioner, \$25; 3 Venetian blinds, \$5. McDonald, AM 8-5041 after 5 p.m.
- SPRAY PAINT outfit, heavy duty compressor, tank, pressure switch, \$50; 6.5 mm sporter carbine, Lyman sights, \$30, dies available. Smith, AL 5-0623.
- ROBERSON RESALE, 3 bdr, 1 1/4 baths, fireplace, dining room or den, garage, low down payment, total price \$14,900. Robertson, AX 9-3497.
- MAYTAG WASHER, wringer type, \$80. Martinez, 816 Marcella NE, AX 8-1665.
- 60 FT. C-2 frontage with six room house. Brady, 1008 Broadway SE, CH 3-2760.
- RANGE HOOD, 40" copper, fan and light, thermostat, 8 ft. pipe and cap, \$40. Scott, AX 9-3412.
- BOXER PUPPIES, AKC registered, champion sired. Edens, AL 6-7653 after 5 p.m. or weekends.
- SYLVANIA CONSOLE, 21" TV-radio-recorder changer, \$99. McCammon, AL 5-6125.
- '54 DODGE panel truck, 3/4 ton, new shocks, sacrifice. Finley, AX 9-2213 after 5 p.m.
- TELEVISION Sonora, 24" blond table model, stand and antenna, \$89; box spring and mattress, \$19. Higgins, AX 9-5149.
- '55 FORD Country sedan, auto. transmission, R&H, 4-dr. Classen, AL 5-4347.

- JENNY LIND spool bed, single, walnut finish, complete with spring and mattress, \$25; child's chiffonrobe, maple finish, \$25. Campbell, AL 6-1015.
 - '50 PONTIAC, 2-dr., Silver Streak, excellent second car, \$145 or best offer, R&H. Chase, AX 9-7321, 200 Gen. Bradley NE.
 - CAR PULLMAN for 4-dr sedan, ideal for travel with child 1-3 years, sell at 1/2 original price. Miller, AL 6-6020.
 - '51 WILLYS JEEP, 2 wheel drive station wagon with fitted spring and mattress, \$350. Mischke, AX 9-7458.
 - TWIN SIZE bed; dining set, round, solid oak; 2 chest drawers; 6 steel patio chairs; Zenith radio-phonograph. Engle, AM 8-4241.
 - LADIES' SAMSONITE Pullman Case 26", Tan, Half Price—\$14.50. Stump, AM 8-7754.
 - ONE-WHEEL steel luggage trailer with Plywood and Canvas Covers and two Universal Hitches. Whitford, AX 9-4271 after 5:00.
- WANTED**
- CEMENT MIXER, must be reasonably priced. Markham, CH 7-9096 after 6 p.m.
 - HOME FOR housebroken male kittens. Prairie, ext. 47198.
 - TRICYCLE, large size in repairable condition at a reasonable price. Hoagland, AX 9-7097.
 - BICYCLE, boy's 26" lightweight, in good condition. Bell, 2612 Vermont NE, AX 9-5254.
 - RADIAL ARM saw, will pay cash. Elliott, 1420 Madison NE, AL 6-1969.
- FOR RENT**
- NEW 2 BDR duplex apt., air conditioned range, refrigerator, drapes, extra large parking area, outside storage room. Miller, 3518 Crest SE (at Carlisle).
 - OR LEASE completely furnished 3 bdr., den, patio, walled yard, available July 1. Browning, 405 Sierra SE, AL 5-9468.
 - FURNISHED 3 bdr house, available July 22 to Aug. 20, \$60. Sedgwick, AX 9-9071.
- LOST AND FOUND**
- LOST—Hamilton watch with black band and 2 diamonds; green notebook with 8 1/2 x 11 mimeo paper; Bank of New Mex. checkbook; prescription safety glasses; black plastic Easterbrock pen; Zippo type lighter; clear plastic framed glasses, well used. Lost and Found, ext. 26149.
 - FOUND—Gold tie clasp; template; Timex watch; gold loop earring; black Revlon eyebrow pencil; toroid coil, plug-in type; black purse with credit cards of Guy Kesler. Lost and Found, ext. 26149.
- FOR SALE AT LIVERMORE**
- 3 BDR HOME, 1 bath, double garage, 3621 Oregon Way, Livermore. Alford, HI 7-2123.
 - STOVE, 30" Magic Chef, gas, with light and timer. Jost, HI 7-5667.
 - ENGINE, 25 hp Hercules, brand new with radiator, gas tank, generator, governor, spare magnet, and other parts, \$250 or best offer. Sullivan, ext. 2475.
 - TYPEWRITER, Underwood portable with case, typewriter stand, \$35. Hunter, ext. 2269.
 - STOVE, electric Frigidaire 30", three years old. Clauson, HI 7-3291.
 - TAPE RECORDER, Wollensak, stereo, less than year old, all accessories and tape, \$150. Farmer, HI 7-4407.
 - 3 BDR HOME, 2 baths, carpeted, landscaped, fenced, \$16,900; English Ford, 1959, 7000 miles, make offer. Grape, HI 7-3017.
 - RIFLE, Winchester model 88, .308 caliber, 2 1/4" 5x scope, 25 rounds 150 gr. ammo, cost \$218, sell for \$150. Elliott, HI 7-5141.

Sandia's Don Knudsen to Seek Sunken Spanish Treasure Ships

Diving for treasures hidden in the rotting hulks of Spanish galleons will occupy the vacation time of Don Knudsen (8121-3), amateur skin diver and movie photographer.

Don, a technician in the Livermore Laboratory Photo Lab, began his adventure last Friday when he joined members of the Middle American Archeological Society (MAAS) on an expedition which will take him 2000 miles into Mexico from El Paso, Tex.

Goal of the trip is a small island off the coast of the Yucatan Peninsula. Nearby are the wrecks of at least 40 ships "enough to keep us busy for 50 years," according to Pablo Bush Romer, director of the Club de Exploraciones y Deportes Acuaticos de Mexico (CEDAM), the group in charge of the exploration.

Don will spend three weeks with the expedition and then will fly back to San Francisco by commercial airliner. All expenses for the trip, except for \$200, will be paid by MAAS, an affiliate of CEDAM.

Travel by Truck

The trip down is being made aboard a converted utility truck. With Don in the truck are four members of MAAS and boxes filled with archeological and skin diving equipment. A portion of the trip will be made by railroad flat car

through the jungle, Don said, since roads in the area are impassable.

Several national magazines plan to cover the expedition and the President of Mexico will visit the site. When the President arrives, Don's group plans to present him with a letter of good will from California's Governor Edmond Brown.

Don's job at the scene of the exploration will be to record the activities with a motion picture camera. The artifacts and movies are expected to furnish historians with considerable knowledge of trade operations in the Caribbean between the 16th and 18th centuries.

Main objective of the group will be to recover objects from the Mantanceros, a Spanish merchant vessel which sank with a full cargo in 1740 off the coast of Yucatan, Don said.

Rich Historically

Mendel Peterson, curator of Armed Forces History at the Smithsonian Institute, has described the Mantanceros wreck as the richest (historically) ever found in the Western Hemisphere.

All articles recovered by the archeological teams will become the property of the Mexican government, although MAAS hopes to obtain a substantial quantity of duplicate articles for display at the Snow Museum in Oakland and the San Francisco Maritime Mu-

seum. A visit to the wreck last year by the expedition resulted in the recovery of 10,000 items valued at over \$100,000.

Articles so far recovered from the Mantanceros include several thousand crucifixes, buckles, broken pieces of mirrors, spoons, metal buttons, beer bottles, knife handles of brass, wood and bone, brass spoons, pewter plates, drinking glasses and devotional medals.

Outstanding Finds

One of the most outstanding finds of the 1959 expedition was the discovery of a crucifix approximately eight inches long which has been dubbed "Cross of Lorraine." This crucifix of brass was probably fashioned by one of the sailors aboard the doomed vessel.

A gold watch fob, with the name of a London watchmaker, William Webster, clearly visible on its face, and with a small clipping from the London Daily Advertiser of 1738 (still legible) in its interior, was another sensational discovery made by the CEDAM divers.

The largest items recovered from the wreck included 10 cannons and two anchors, one with a shaft more than 11 feet long. All items were recovered in 25 to 30 feet of crystal clear water. A heavy layer of coral, however, made the removal of the encrusted articles exceedingly difficult.



TYPICAL ABOVE TIMBERLINE scenery to be encountered in the forthcoming New Mexico Mountain Club two-week outing to Wind River Range in Wyoming is shown in this photograph of Hank Tendall (1215) taken by Dick Martindell (2532) last summer.

If You Like to Wear a Pack—

Ideal Vacation for Outdoor Fans Is Set by Mountain Club Members

Like to fish, let your beard grow far away from civilization, take pictures of spectacular scenery? The New Mexico Mountain Club has the ideal vacation in mind for you.

Last summer Hank Tendall (1215), Dick Martindell (2532) and Irv Auerbach (5150) made a scouting trip to Wyoming's Wind River Range. From July 30-Aug. 14 the trio will lead an outing in the same area for club members and guests.

Starting point for the jaunt will be Green River Lakes on the northwest slope of the range. Most of the hiking during the 12 days will be in wilderness areas of lakes and mountains at elevations of 8,500 to 11,500 ft. Several days will be set aside for fishing, general relaxation and applying liniment to sore muscles.

Amid repairing gear and making arrangements the three Sandians agreed: "The trout fishing is excellent, everyone should have experience wearing a back-pack, women are invited, but they, too, must carry their own gear."

Participants will have to bring their own back-pack, sleeping bag, good hiking shoes and warm clothes. Transportation costs will be shared by those making the trip. Other expenses (food, etc.)

Bob Jacob to Officiate at Speech Tourney

When the annual national speech tournament and student congress convenes in San Diego, Calif., later this month, Bob Jacob (5521) will be on hand for the fourth consecutive year as one of the tournament officials.

The event is sponsored by the National Forensic League and brings together more than 300 high school speakers and debaters from over 30 states to compete for national honors in various speech events.

Bob's father is one of the founders of the League and has been its executive officer since 1925, the year the organization was formed.

Each year a different city is host to the week-long competition.

Bob's tournament record dates back to 1942, when he served as a page in the National Student Congress at Madison, Wis.

are expected to run around \$45-\$50.

Further information may be obtained from Dick at ext. 28134. If interest warrants, arrangements may be made for a second group to meet the others Aug. 7 at Island Lake.

Lloyd Todd to Retire June 30

Lloyd Todd, a model and instrument maker at Sandia for nine and a half years, will retire June 30. He works in Section 4253-2.

Mr. Todd and his wife plan to remain in Albuquerque at 4513 In-



Lloyd Todd

spiration Dr. SE, but high on his list of things to do after retirement is a trip to Wisconsin. "We'll visit our daughter there and I also intend to catch up on some muskie fishing," he said.

The Todds have another married daughter living in New Mexico.

Later Mr. Todd expects to open a machine shop to work on experimental type projects.

Retired Sandian Merrill Gentry Dies in Kansas

Merrill Gentry, who retired from Sandia Corporation in Feb-



Merrill Gentry

ruary 1959, died of a heart attack in Mulvane, Kan., June 7. He was 66.

During his 10 and a half years at Sandia Laboratory he was a receiving clerk in Handling and Delivery Section.

Survivors include his widow and a son, Leonard, in Albuquerque.

Vacation Traffic Accident Takes Life of Employee

Corporation employee Robert Branks, 35, and two of his daughters died from injuries suffered in a two-car crash near Springfield,



Robert Branks

Mo., June 16. Hospitalized were his wife and two other children.

Mr. Branks was a staff assistant, draftsman, in Design Definition Division 4412, and has worked for Sandia Corporation six years. His wife, Joan, has been at Sandia since October 1957 and is a draftsman in Division 4411.

Killed in the accident was their daughter Kay, age 4. An infant daughter, Mary, age seven months, died several hours after the accident. Seriously injured were Shirley, 10, and Dorothy, 11. Mrs. Branks' condition is described as fair.

The family was returning to Albuquerque after vacationing with relatives in Wisconsin.



CIGAR-SMOKING MACHINE was given to Bob Weaver (8115-2) by co-workers while he was in the hospital recovering from recent surgery. "They thought I should stay away from tobacco," said Bob. Intriguing feature of the gadget is a mechanical monkey which knocks ashes into ash tray when bulb (right) is squeezed.

Proud Father

H. G. Baerwald (5132) is justly proud of his daughter Ann who recently graduated from Swarthmore, College, Pa., with high honors. She has been elected to the Mortar Board, senior women's honorary society. After spending the summer in Europe, she will take up graduate study at the School of Applied Social Science, Western Reserve University, Cleveland, where she has been awarded a full two-year scholarship.

Gil Lovato Takes Sandia Golf Tourney Played in Santa Fe

Gil Lovato (4233) edged out Jim Leonard (1247) in a close match to win low gross honors in the fourth Sandia employees golf tournament of the season held in Santa Fe last Saturday.

Tied up to the 17th hole, Gil holed out his chip shot for an eagle 3 and went 2 up. Jim won the 18th hole, and final score was 73 for Gil, 74 for Jim. Harry Wild (4362) came in third with a 78.

Low net prize also went to Gil, with Jim Leonard and Fernie McEwin (1225) tying for second place.

Tied for best four ball team were Gene Springer (3451), Gary Willingham (1247), Howard Lindell (2441), and Fernie McEwin; and Ed Willett (4321), Andy Blain (4631), Art Kraft (4251) and Russ Foster (4123).

Bob Kampwirth (5223) won the longest drive contest and Ray Chandler (5511) had the closest to the hole shot.

Sir Roger Makins Visits Sandia Lab

Visiting Sandia Laboratory recently was Sir Robert Makins, chairman of the United Kingdom Atomic Energy Authority. He was accompanied on a tour of various AEC installations by John A. McCone, chairman of the Atomic Energy Commission.



FIRE FIGHTING TRAINING COURSE for Livermore Laboratory security force is the first of a series of such courses to be presented to Livermore Laboratory employees. Instructor for the course is Verne McNabney of the Medical and Safety Section (8212-4). From left are John W. Rhoades, Richard B. Cowan, Curtice W. Booth, all of Federal Services Inc., Irv. Troyky and Dick Durham of the Security Div. (8231) and Knut E. Lossbom, FSI.

Sandia's Safety Record

Sandia Laboratory HAS WORKED 12,295,000 MAN HOURS OR 341 DAYS WITHOUT A DISABLING INJURY

Livermore Laboratory HAS WORKED 3,323,000 MAN HOURS OR 1587 DAYS WITHOUT A DISABLING INJURY