



Mr. Sherman

W. A. Sherman Writes Editorial On Education

The winning editorial in this month's Lab News contest for employees was written by W. A. Sherman, supervisor of Operation Location Division 5547.



John A. McCone

John A. McCone, AEC Chairman, Sandia Visitor

A briefing for high officials of the Atomic Energy Commission was held at Sandia Laboratory March 5. In addition to J. A. McCone, Chairman of the AEC, the party included A. R. Luedecke, General Manager, AEC; Brig. Gen. A. D. Starbird, Director, Division of Military Application, AEC; Hon. H. B. Loper, Chairman, Military Liaison Committee, and Cecil St. C. King, aide to Mr. McCone. Upon his return to Washington Mr. McCone addressed the following letter to J. P. Molnar, President of Sandia Corporation:

Dear Dr. Molnar:

I wish to thank you and Mr. Schwartz for the briefing during my visit to Sandia Corporation on March 5, 1960. Our discussion was most helpful to my understanding of Sandia's current activities.

As I indicated to you, the maintenance of a sustained effort in nuclear weapons technology is essential to the nation. It is the intent of the Commission to assure that the laboratories essential to weapons research and development, the Los Alamos Scientific Laboratory, the Lawrence Radiation Laboratory at Livermore, and the laboratories operated by Sandia Corporation at Albuquerque and Livermore, be maintained as strong and vigorous organizations. Should there be some decrease in weapon research and development needs, consideration will be given to expanding non-weapon activities of these laboratories as the national interest requires.

As I indicated to you during my visit, you should develop the future plans for Sandia Corporation in consonance with these objectives.

Sincerely,

John A. McCone, Chairman
U. S. Atomic Energy Commission

'Project Cowboy' Over; Louisiana Salt Mine Tests Included Sandia Experiments

Sandia Corporation LAB NEWS

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A STROLL on the beach was enjoyed by members of Bill's group as they explored the area near the proposed Chariot site in Alaska. Frozen camera and "horizontal snow storm" blurred photos.

Frigid Studies Necessary to Prepare Arctic Experiment

A former Alaska fish cannery worker returned to Livermore Laboratory recently from his home state. He had been in Alaska to help establish groundwork for the first potential United States nuclear explosion for excavation purposes.

Bill Long, electrical engineer with the Nuclear Support Section (8123-2), Livermore Laboratory, at the request of the Lawrence Radiation Laboratory accompanied a team from that laboratory on a pre-operational site survey of the Chariot Site near Cape Thompson on the northwestern coast of Alaska.

The site is being considered for an excavation experiment, using

nuclear explosives. It is part of Project Plowshare, the name given to the peaceful uses of nuclear detonations. The project is administered by Lawrence Radiation Laboratory.

The purpose of Bill's trip was to help determine weather and working conditions in the barren wind-swept wastes surrounding the site. If final feasibility of the project is determined, Bill and other Sandia personnel of the Test Department at Livermore Laboratory would be responsible for the arming and firing of the device.

During the trip the group confirmed earlier findings that unique arming and disarming procedures would be required for the operation, due to the extreme cold and high winds prevalent in the area.

To avoid the possibility of being weathered in at the site following a detonation, the underground shot would probably be controlled from an airplane, Bill said. A portable control station would also be more economical than a ground station, he added, since a permanent installation would have no further use following the detonation.

Bill, a native of Alaska, spent his summers working in fish canneries along the Alaskan coast to help pay his way through Washington State College. Following a two-year stint in the Air Force during the Korean War, he completed his undergraduate training at the University of Texas where he received his Bachelor's degree in electrical engineering in 1957.

At Sandia Since 1957

An employee of Sandia Corporation since 1957, Bill transferred to Livermore Laboratory in September 1959.

Bill was well-equipped for his Alaska trip. Arriving in Fairbanks he was issued Air Force cold weather gear to cope with the icy

temperature.

"The pants they gave me had millions of pockets," Bill said, "and I never could remember which one I put the camera film in. Every time I changed film I had to take my gloves off and start a search. When the temperature is 32 degrees below zero, this gets to be quite a problem."

"In fact it was so cold," he said, (Continued on Page 6)

R. W. Henderson Speaks To Engineering Faculty Of Illinois University

Robert W. Henderson, vice president, Development, spoke recently at a dinner meeting of engineering faculty of the University of Illinois in Urbana.

Title of his talk was "A New Look in Ordnance Engineering."

Standby Status For Salton Sea Base in 1961

The following statement was issued Wednesday by the Albuquerque Operations Office, AEC, in response to press inquiries:

"The Atomic Energy Commission now contemplates placing its Salton Sea Test Base, operated by the Sandia Corporation, on standby basis by mid-1961, but has no current plan for relinquishing the property. During the time the base is on a standby basis, it may be used occasionally for ballistic testing, and some Sandia employees may remain there. Other Sandia employees probably will be transferred to duty at the Tonopah Ballistics Range, Tonopah, Nev., to Albuquerque, or to Livermore, Calif."

Employees of the Corporation at SSTB were informed of the plan some time ago, although the date for reaching standby status had not been firmed up.

Sandians played a large part in "Project Cowboy," a series of high explosive tests to study seismic effects recently conducted in a salt mine near Winnfield, La. Personnel from both Sandia and Livermore Laboratories participated.

Data gathered from the tests will aid in determining the effectiveness of the proposed Geneva system of detection of underground nuclear explosions as part of an international nuclear test ban agreement.

The experiments began in mid-December 1959 and ended this month. They included a total of 17 high-explosive (non-nuclear) detonations, ranging from 20 to 2,000 lbs.

Technical direction of Project Cowboy was by Lawrence Radiation Laboratory, Livermore, Calif.

Sandia Corporation personnel measured the motion of the ground and the pressure in the salts at points near the explosion. They also had the responsibility for arming and firing the high explosives.

Sandia's instrumentation station was located 820 ft. below the surface. It contained an impressive array of shock measuring equipment and some 300 instrumentation channels were recorded during the explosions.

On the surface, 23 seismic recording stations and instrument shelters at 11 locations made recordings of test data. These stations, extending a distance of approximately 60 miles north and west of the Project Cowboy site, were operated by the U.S. Coast and Geodetic Survey.

Headed by the Sandia contingent as senior representative was A. D. Thornbrough (5231). B. F. Murphy (5112) was scientific advisor assisted by W. R. Perrett (5112).

Arming and firing was handled by Livermore Laboratory personnel. Project leader was R. J. Tockey assisted by L. E. Hake, Lou Ellis and I. S. French (all of 8123). The arming and firing group also supplied and placed all of the explosives used in the tests.

Project leader for instrumentation was E. S. Ames (5231). Working on this phase of the tests were H. L. Hawk, D. B. List, W. D. Adams, R. G. Oliveira, H. E. Bell and E. N. Villella (all of 5231).

F. K. Millsap (5241) handled preliminary data reduction at the site and participated in later data reduction of the tests at Sandia Laboratory.

W. E. Cordek (5232) was contractor liaison officer.

Providing logistic support for the Sandia contingent were P. D. Seward (3443) and D. Sonnier (2251).

To complement the data collected in salt by Project Cowboy, the AEC is planning three non-nuclear high explosive shots in tuff (a volcanic rock) at the Nevada Test Site. These experiments are expected to start about the end of this month and be completed in two weeks.

Personnel of Test Data and Nuclear Support Division 8123 at Livermore Laboratory will again have the responsibility of arming and firing the high explosives for the series. Sandia Laboratory personnel will not participate.

AEC Receives Bids For Underground Electric System

Reynolds Electrical and Engineering Co. of Albuquerque is apparent low bidder for modifications to an underground electrical system in Tech Area I, according to an announcement by the AEC.

Primary purpose of the electrical work is to provide power for Bldg. 841 now under construction. The contract includes installation of concrete ducts and cables, manholes, and miscellaneous electrical work. The job is to be completed within 45 days after the AEC gives notice to proceed.

Editorial Comment . . .

Education - What Kind Do We Want?

EDITOR'S NOTE

Following is an editorial written by W. A. Sherman (5547) in which he gives his views on what kind of education we should have. Mr. Sherman's editorial was selected as the most thought provoking in the Lab News' final editorial writing competition.

Education in the United States has progressed from the day when any kind was a luxury, through the periods when grade school, then high school were considered adequate, and into the present, where college is no longer a luxury, and will soon be a necessity. As the level of fundamental information required by the individual increases, so increases the time required to attain the basic education. As this increase continues, we must find ways of imparting to the individual the information necessary for him to assume his role in society without withholding him for too many years from productive life.

This then, defines loosely the kind of education we want, but for a full definition we must examine some of the ways in which this may be accomplished.

Education must be made interesting. It must capture the mind of the student and make the quest for knowledge first and foremost in his thoughts. It must inspire that most powerful of his incentives to learning: complete absorption in his subjects.

Education must be made adequate. In the face of the requirement for more and more specialization, we must somehow find means of providing balanced and rounded curricula. In an era where the emphasis is on science, the need becomes even more urgent for an appreciation of the humanities and the social sciences.

Education must be properly directed. Emphasis must be placed on the fundamentals of learning, and grading should be based on academic achievement. No longer is there time to spend on the development of social characteristics; these would be the natural by-product of a challenging, diversified academic program. Social adjustment and personality development will be automatic in the life of a busy, interested student who is well grounded in the humanities and the social sciences.

Education must be made more efficient. It must provide the greatest quantity and the highest possible quality of knowledge in the least possible time. With our minimum level of knowledge continually increasing, we must seek new and better methods of imparting knowledge and developing comprehension.

Students now squander 48 months to complete only 36 months in both high school and college, and are subjected annually to a summer of mental stagnation, during which recently acquired skills and knowledge become rusty from disuse. We must examine our school program to see if it is not practical to complete five or even six years of college in the same number of years that we now expend in completing four. These, then, are some of the qualities inherent in the kind of education we want. To develop them will require the establishment of powerful incentives for both students and teachers, and careful analysis of the efficiency of our educational methods.

New Home Owners

The first week in March was filled with events for E. W. Baldwin (8210). His son was married, he returned from a short stay in the hospital, and he moved into a new home at 409 Lincoln Avenue, Livermore.

L. A. Wright (8122-1) has moved into his new home at 17 Valla Court, Walnut Creek.

The W. C. Jacobys (5131) recently moved into their new home at 10209 Mesa Arriba NE.

It was also moving day recently for the I. D. McKinney family (5132), who is now settled at 10124 Toltec Rd. NE.

Don (1432) and Mina (1311) Carnicom have moved into a new home located at 3208 Lykes Drive NE.

Congratulations

Born to:

Mr. and Mrs. L. L. Kuck (5257) a daughter, Kimberly Ann, on Feb. 28.

Mr. and Mrs. Thomas A. Kanneinan (1264) a daughter, Kathryn Suzette, on Mar. 5.

Mr. and Mrs. W. C. Purchase (4361) a daughter, Loriann, on Feb. 28.

Mr. and Mrs. W. F. Peay (5252) a daughter, Lisa Kathleen, on Mar. 3.

Mr. and Mrs. Peter J. Komen (1422) twins, a boy and a girl, on Feb. 26.

Mr. and Mrs. S. F. Duliere (5132) a son, Jeffery Lee, on Feb. 27. Marilyn formerly worked in 1332.

Mr. and Mrs. Wayne Marcellin (8161-3) a daughter, Lori Anne, on Mar. 7.

Mr. and Mrs. James A. Mount (8232-2) a daughter, Shelley Ann, on Feb. 28.

Mr. and Mrs. C. F. Lundbom (8116-3) a daughter Feb. 23.

Varied Musical Events Set For Near Future

Two musical events are slated for Albuquerque in the near future which may be of interest to Sandians.

The Sandia Players' production of "The Pajama Game" opens tonight at the Sandia Base Little Theater. Curtain time is 8:30 p.m. The Broadway musical will also be presented Saturday evening and Sunday at 2:30 p.m. Cast of the comedy includes Margaret Reese (3364), Ervin Wolfe (2715) and Paul Bontempi (3433). Tickets will be available at the door.

The Albuquerque Civic Symphony Women's Association will present a benefit concert April 1 at 8:15 p.m. at the UNM Student Union Bldg. Maurice Bonney, viola, Elizabeth Bonney, violin, and Ralph Berkowitz, piano, will play Martinu's Madrigal for Violin and Viola, Brahms' Sonata in E Flat Major, and Bloch's Suite for Viola and Piano. Tickets may be purchased at the Sandia Base Library or from Mrs. Courtney Shands, 2101 E. Sandia Dr., ext. 34193.

CAP Group Forming

A Civil Air Patrol group is being formed in Livermore by Ken Mitchell (8141-2). The CAP, an auxiliary of the U. S. Air Force, accepts boys and girls between the ages of 14 and 18. Persons interested in learning more about the CAP may contact Ken for information.

Welcome Back

Co-workers of Kendra Longfellow (5331) welcome her back from her recent hospitalization.

Also back on the job after sick leave is W. H. "Brad" Bradford (5122).

Edith Schildnecht To Retire March 31 At Salton Sea Base

Salton Sea will lose a familiar face on March 31 when Edith Schildnecht retires.

Mrs. Schildnecht has been at the California test base since 1949,



Mrs. Schildnecht

first working for the AEC and since 1950 with Sandia Corporation as an administrative clerk.

In the early days she served as combination timekeeper, travel agent, payroll clerk and general information source for both employees and visitors.

After retirement Mrs. Schildnecht plans to return to Georgia, her home, where she will live with her brother at 2226 Belvedere Ave. SW, Atlanta.



Mr. and Mrs. Amadeo Ortiz

Wedding Anniversary

Amadeo S. Ortiz (4212) and his wife observed their silver wedding anniversary on March 5 by attending mass at the same church in which they were married in 1935. A large reception was held afterwards, which was also attended by their nine children.

Wedding

Kathy Brown (8212-3) was married Feb. 27 to Robert Baldwin (8225-1) in the Lutheran Church in Livermore. Following a short honeymoon in Los Angeles the couple returned to Livermore where they are living at Royal Garden apartments.

Kathy has been with Livermore Laboratory since June 1959 and Robert began work there two months later.

Sympathy

To Mary Ellen (3150) and Jim Sisler (1626) for the death of her father in Tucson, Ariz., Mar. 7.

To Eleanor McPhate (4131) for the death of her mother in Ogden, Utah, recently.

To Ernest Church (3431-1) for the death of his mother in Bakersfield, Cal., Mar. 8.

To Holly (4131) and Charles Balistrere (3452) for the death of his father in Pennsylvania recently.

To Velda Messersmith (3241) for the death of her brother in Oklahoma, Mar. 6.

To John C. Hertweck (4573-3) for the death of his mother in Albuquerque, Mar. 4.

To Antonio Garcia (4252-5) for the death of his father in Santa Fe, Mar. 5.

To Paul A. Chavez (4254-1) for the death of his father-in-law Mar. 5.

To Mary Clay (8225) for the death of her husband, Earl, in an automobile accident in Niles, Cal., Mar. 3.

To A. J. Derby (8211-3) for the death of his mother-in-law in Denver, Mar. 4.

To Vern Field, (8141-) for the death of his mother in Chicago, Mar. 9.

Coronado Club Offering Expanded Program For Member Entertainment

The Coronado Club is engaged in a program designed to offer new and more varied entertainment activities for club members and their guests.

The buffet dinner-dances held one Saturday night each month are becoming one of the most popular events at the Club. The next dance will be March 26 from 6 p.m. to 1 a.m. Floor show entertainment will be featured from 8:30 to 9 and Jimmy Caldwell's band will provide music for dancing.

Tickets for the entire evening are \$2.60 for members and \$3.60 for guests. Reservations should be made at the Coronado Club office by March 23.

A new feature at the club is the buffet dinner following social hours on Fridays. The social hours, featuring a dance combo, last from 5:15 until 6:45 and the buffet will be from 6 to 7:30 p.m. The menu includes a fish entree, plus roast or hot dish.

Seventh Birthday

Robert L. Eisele (8114-2) is perhaps the "youngest" Sandian at work at Livermore Laboratory. Friends in Org. 8141 presented Bob with a birthday cake to celebrate his "seventh" birthday. He was born on Feb. 29, 1932, a leap year. Statistics show that an average of only one in 1461 births occur on Feb. 29.

Scientific Papers

A paper by T. J. Tucker (5131) appears in the February 1960 issue of Review of Scientific Instruments. Title of the paper is "A Square-wave Generator for the Study of Exploding Wires."

D. H. Anderson (5132) is the author of an article appearing in the January Journal of Chemical Physics. The article is entitled "Electron Spin Resonance Studies of Semiquinones and the C-F Bond."



Joyce Hughes (2441)

Take a Memo, Please

When you admit that you are wrong, you are smarter than you used to be. A really smart person anticipates trouble spots and uses safety practices both on the job and at home.

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LAB NEWS

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four vegetables, cheese cuts, many different salads, coffee, rolls and dessert. Price is \$1.60 per person.

Other new activities of the club include "Mr. and Mrs. (or Miss) Night" every Tuesday from 5:30 to 7 p.m. The ladies' beverages are free. "Two for One" nights are featured every Saturday from 5:30 to 7 p.m.

From March 18 through April 2, the usual reinstatement fee for Corporation employees who have been members of the club sometime during the past 12 months will be reduced to \$5 plus a month's dues paid in advance. Dues are \$2.50 per month.

People who have not been members of the club for the past 12 months may rejoin without paying any reinstatement fee. After the April 2 date, reinstatement fee will return to \$15.

Activities for the rest of the month include a free recorded music dance Saturday, March 19, from 9 p.m. to 1 a.m. in the ballroom and a free dance graduation party at 8 p.m. on Friday, March 25, to which all club members are invited.

Family Night Sunday, March 27, will feature a movie "Day of Badmen" starting at 6 p.m. Free cokes and popcorn will be served.

New dance instruction classes will start Tuesday, March 29. The 10-week course costs \$6 per person and covers Latin and American dancers. Beginners will meet at 7 p.m. and advanced students at 8:30 p.m. This series of classes will be held on Tuesday nights instead of Mondays to accommodate those who couldn't make the Monday night sessions.

A teen dance will be held tonight, March 18, from 8 to 11 p.m. Parents should pick up tickets at the Coronado Club office.

W. L. Rogers Will Retire From Sandia At End of March

William L. Rogers, a stock-keeper in Stock Ordering and Tool Control Section 4212-1, will retire Mar. 31.

He came to work at Sandia nearly eight years ago as a toolkeeper.

Although his plans after retirement are not definite, Mr. Rogers and his wife do hope to travel and revisit their former homes in Colorado and Iowa.

Headquarters will remain Albuquerque where the Rogers and one of their two sons live at 2800 Utah NE.

Get Well Wishes

Elizabeth Bass (1593) is hospitalized in St. Louis with recurrence of a serious ailment. Best wishes are extended for her speedy recovery.

M. E. "Scotty" Scott (4624) is recovering at St. Joseph's hospital from injuries incurred in an auto accident near Belen last week. Although his car was completely demolished when it hit a large tree, Scotty's injuries were mainly cuts and bruises.



W. L. Rogers



A. A. Amato



A. H. Archuleta



D. C. Cordova



Oliver Gallegos



J. A. Chacon
State Senate



H. E. Kinney
County Commission



Orlando Ulivarri



R. L. Starkey
Constable



C. L. Hines



N. S. Perea



T. K. Smith



Adam Trujillo



G. E. Atkinson



W. D. Ingram
For Justice of the Peace



Diane Martin



J. J. Weber



Mr. Read

C. D. Read to End 12 Years Service At Sandia Lab

Clark D. Read (4622) will retire Mar. 31 after more than 12 years at Sandia.

While here he supervised inspection and assembly divisions for

nine and a half years and has been Reclamation Engineer for almost three years.

As for the future, since Mr. Read is a registered engineer and has extensive practical engineering experience, he intends to engage in private practice in some phase of that field.

Mr. Read says he is ready to retire from daily routines and schedules to pursue several hobbies in his spare time, besides "smoking the peace pipe" or doing home chores.

He and his wife live at 2726 Hyder Ave. SE.

Employees Enter N. M. Primaries Seeking State and Local Offices

A number of Sandia Corporation employees are demonstrating an interest in their community by declaring their political candidacy for public office. Their names will appear on ballots of the primary election.

In New Mexico the primaries will be May 10. In California final filing date for candidates is April 8 with the primary election to be held June 7. Because of the later deadline, additional candidates from Livermore Laboratory may be reported in a future issue.

In response to a Lab News request for information on candi-

dates the following Sandians indicated their candidacy.

For New Mexico State Representative: Alfred A. Amato (2642), Republican, position 6; A. H. "John" Archuleta (2643), Democrat, position 3; Dennis C. Cordova (4153), Republican, position 4; Oliver Gallegos, Jr. (2453), Republican, position 2; Charles L. Hines (3364), Republican, position 4; Nicholas S. Perea (3443), Republican, position 7; Tom K. Smith (2643), Democrat, position 3; Adam Trujillo, Jr. (2643), Democrat, position 8.

For New Mexico State Senator:

J. A. Chacon (5532), Democrat.

For Bernalillo County Commissioner: Harry E. Kinney (1283), Republican, district 1, and Orlando Ulivarri, Jr. (2641), Democrat, district 3.

For Justice of the Peace: Gaylor E. Atkinson (5331), Republican, precinct 46; William D. Ingram (5131), Democrat, precinct 20; Diane M. Martin (5132), Republican, precinct 46, and James J. Weber (5152), Democrat, precinct 43.

For Constable: Richard L. Starkey (4573), Democrat, precinct 6.

NOTICE

Other candidates' names were received too late to appear in this issue of the LAB NEWS. They will appear next time. Any other candidates who have not notified the LAB NEWS are urged to do so promptly by calling ext. 26135.

Promotions

Marilyn P. Tooker (8232) to Document Clerk
Carl A. Wackerly (8232) to Mail Clerk
Frank V. Vest (1611) to Laboratory Asst.
Joaquin A. DeVargas (3451) to Staff Member (Admin.)

Melba Fitzgerald (8231) to Service Clerk
Joe S. Ochoa (2251) to Utility Operator
Ernest J. Church (3431) to Service Clerk
James A. Martin (8224) to Stock Analyst
Earl E. Tucker (8234) to Order Analyst
H. Grady Moore (3132) to Staff Member (Admin.)

Arlene M. Ortega (3126) to Receptionist
Magdalena Maestas (4333) to Typist
Norma J. Taylor (3126) to Record Clerk
Dorothea R. Dunn (3126) to Secretarial Typist
Jose Pecos (4135) to Invoice Clerk
Roberto A. Costales (6021) to Paymaster
Herman Romero (1621) to Staff Asst. (Tech.)
Ben F. Sedlack (2441) to Staff Member (Tech.)
Alice B. Robinson (1283) to Staff Assoc. (Tech.)
Arthur A. York (1442) to Staff Assoc. (Tech.)
Lawrence E. Null (1621) to Staff Assoc. (Tech.)
Earl R. Haussen (8221) to Staff Assoc. (Tech.)
Frank H. Dausses (3132) to Staff Assoc. (Admin.)

Robert A. Stewart (4224) to Molder & Assembler
Robert F. Knight (4224) to Molder & Assembler

Nolan D. Blank (4233) to Assembler
Darrell A. Joyner (2453) to Layout Technician
Mary Lou Marquez (3126) to Typist Clerk
June K. Rainwater (3126) to Secretarial Steno.
Shirley M. Merry (3126) to Secretarial Typist
Ruby S. Cruze (3126) to Secretarial Typist
G. Dean Miller (3126) to Secretarial Steno.
Sandra A. Canoy (3461) to Tab. Eqpt. Oper.
Shirley S. Hull (4135) to Invoice Clerk
James E. Tichenor (6021) to Paymaster
Jack P. Pons, Jr. (8232) to Ozalid Operator
G. E. Pinosneault (8232) to Ozalid Operator
Paul S. Knechtli (8223) to Bench & Machine Operator

Peggy J. Flindt (8114) to Typist
Phyllis A. Eskew (3126) to Steno. Clerk
Evalyn H. Gillespie (3461) to Document Clerk
John J. Weimer (3466) to Document Clerk
Orlando Torres (3466) to Document Clerk
David H. Davis (3452) to Tab. Eqpt. Oper.
Flora M. Burch (4131) to Payroll Clerk
Katherine J. Klus (8212) to Typist Clerk
Barbara J. Dolstra (8212) to Steno. Clerk
Mary Helen Carter (8161) to Record Clerk
Blanche Romine (8232) to Document Clerk
Michael T. Ferrario (8114) to Draftsman
M. Jolene Stillwell (3463) to Chartist
Eva J. Kerns (8121) to Service Clerk
Virginia E. Barrett (2640) to Secretary
Lucille H. Larrabee (4310) to Secretary
Supervisory Lateral Transfers
W. L. Hyde from 1264-1 to 5241-2
Mrs. B. E. Sutherland from 5241-2 to 5241-4
A. L. Redlinger from 2713-3 to 2714-4
V. A. Southernland from 4575-1 to 4611-4
P. M. Hennan from 3153-1 to 8234-3
H. E. Christenson from 4212-3 to 3153-1
S. L. Johnson, Jr., from 5544 to 4542

Special Steps Necessary

Recent Arrivals in California May Vote in This November's Election

A new ruling in California election regulations will have an effect on recent transferees to Livermore Laboratory. The ruling applies to the national elections to be held this November.

Employees who have moved to Livermore from another state who will not have been in California for a full year prior to the national elections in November, may vote for presidential and vice presidential candidates in the election if:

1. They are registered voters in their previous state, and
2. They apply for special voting privileges at the County Clerk's Office in the county in which they are now residing.

Employees who live in Alameda County may apply by letter to the County Clerk, County Court House, Oakland 12, Calif., Attn.: Election Department.

Except for these special provisions for national elections, voters must be residents of California for one full year, residents of the county for 90 days, and residents of their precinct for 54 days before any election.

It is not necessary to be a resident of the state for one year to register for the election as long as the voter has been in the state for one year on the actual date of the election.

Registration for any election must be accomplished 54 days before the election.

Upcoming elections which will be of interest to residents of Livermore include the city election April 12 during which two candidates will be elected to the city council and the posts of city clerk and city treasurer will be filled.

A \$4,000,000 state loan for the construction of a new high school in Livermore will be presented to the voters on May 10. Voters must have registered by March 17 to be eligible to vote in this election.

California primary elections for the November national election will be held June 7. To be eligible to vote in the primaries, voters must be registered by April 14.

Once a voter has registered in California he does not have to re-he votes once during any even-new his registration as long as

numbered year in a primary or general election. Voters are required to re-register only if they fail to vote in a primary or general election year or if they move.

Huel B. Brashears To Retire March 31

When Huel B. Brashears retires March 31 he will be able to devote more time to his avocations.

He is a material handler in Stock and Material Control Division 4212 and has been at Sandia more than nine years.

Mr. and Mrs. Brashears have four and a half acres of land in the South Valley at 1930 Gun Club Rd. SW where they have a garden and raise chickens, pheasants, ducks and calves.

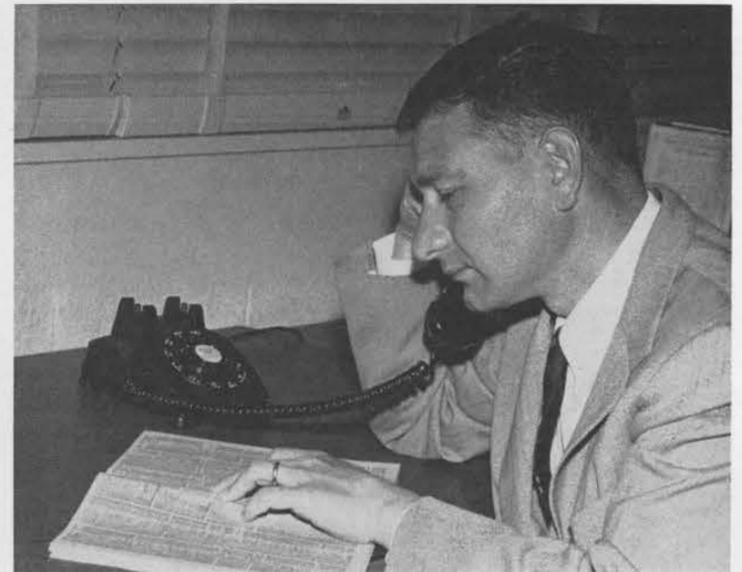
Last Dec. 22 the couple observed their 45th wedding anniversary.

Mr. Brashears plans to take his 13-year-old grandson along on his fishing and hunting trips.

Welcome Newcomers

Feb. 29-Mar. 11

Albuquerque	
James E. Clark	4622
Eugene V. Hawkins	4413
*Kent H. Jones	1626
Amy A. Miyaki	3126
Nancy A. Peters	3126
Alice J. Port	5535
Eleanor H. Sedgwick	4413
California	
Lowell S. Bayless, Livermore	8225-1
Britt-Marie Manrow, Livermore	8123-3
Sylvia J. Lopez, Castro Valley	8213-3
Mary S. Prince, Livermore	8213-3
Connecticut	
Paul R. Haffley, Stonington	4411
Illinois	
Alexander Hachigian, Urbana	5313
Iowa	
*Graydon P. Haas, Iowa City	2563
Missouri	
John R. Phelen, Moberly	5230
New Mexico	
Marlin F. Aker, Jr., University Park	2441
Ohio	
Raymond D. Bland, Clayton	1621
Charles J. Daniel, Dayton	4411
* Denotes rehired	
Returned from Leave (Albuquerque unless otherwise noted)	
Doryne M. Barker	3153
Joan M. Branks	4411
Coriann W. Moses	1217
C. Faye Brunson	4333
Lynn T. Ritchie	5126
Frank E. McMurtrey, Livermore	8223-1
Sherman P. Marsh	2462
Teresa R. Ortega	3452



JACK HUBNER (8213-2), Democratic Club President



CARTER HOUSE (8213-2), Republican Club President

Livermore Employees Lead Community Political Groups

Two employees in the same organization at Livermore Laboratory remain the best of friends while heading up opposite political factions in their communities.

Carter House (8213-2), who is president of the Livermore-Pleasanton Republican Assembly, feels he is discharging his duties as a citizen by organizing Republicans in his area to support party candidates and issues.

A similar view is held by Jack Hubner (also 8213-2), who is president of the Orinda-Moraga Democratic Club. "We represent a minority group in our area," says Jack, "and we strive to keep

our membership informed on current issues of local and national interest."

Both club presidents believe that the most valuable service their clubs can render is to encourage citizens to register for the national elections. "After all," says Carter, "the best way to express our opinions on national issues and our administration is by voting."

Carter, has been at Sandia since 1958 and has served as president of the Republican Club since 1959. Jack, an employee of Sandia for one and a half years, has been active in the Democratic Club for three years.

Bernard Ostle to Read Paper in Arizona

Bernard Ostle (1442-1) will present a paper at a regional conference sponsored by the Central Arizona Chapter of the American Institute of Industrial Engineers. The title of the paper is "Reliability Engineering: A New Profession." The conference will be held in Tempe, Ariz., April 1-2.



SCOUTMASTER TOM MARSHALL (5222) demonstrates a battery powered candle rack to be used in meeting ceremonies to members of his Troop 9. The troop recently won Council-wide honors for meeting scout membership and achievement goals.

Scoutmaster Is Key Leader — Life's Full of Boys, Devotion

Tom Marshall (5222) is a scoutmaster.

He leads Troop 9 of the Zia District, an enthusiastic group of 40 boys ranging in age from 11 to 15 years. As many as three evenings a week he devotes to various meetings and Saturdays are occupied by camping expeditions with small groups of his boys to give them woodsmen training.

Once a month he takes his entire troop on an overnight camping trip. In addition he spends at least one week of his summer vacation attending a scout "camporee" in the Jemez mountains.

Tom has an outstanding troop. Last issue, the *Lab News* reported that Troop 9 had earned the Kit Carson Council Sesquicentennial Award presented for outstanding achievement in performing scout programs and meeting scout goals.

As scoutmaster, Tom "directs" the activities of his troop through the step-by-step progression of the program.

"I don't like to say 'directs'."

Commissioner Has Demands: He's Responsible for Staffing

"The first job of a District Commissioner of the Boy Scouts," E. J. Smith (4211-2) says, "is to recruit a staff and train them."

"E. J.," as he is called, speaks with authority. For almost a year he has been district commissioner for the Sandia District which is responsible for the scouting activities of some 2700 boys. In his district E. J. has 27 cub packs, 24 scout troops and eight explorer units.

With this kind of responsibility, E. J. needs lots of help—assistant commissioners, neighborhood commissioners, committeemen, merit badge counselors, troop committees and various other assistants.

In the Scout organization, each level of participation has certain requirements. From national, regional, district and neighborhood, volunteers carry the workload. Although the scout organization does employ professional executives for districts, they are responsible to district councils.

E. J.'s job fits into the organization on the district level. He is a member of the Kit Carson Council, which embodies most of New Mexico and parts of Arizona and Nevada. This is the policy and planning organization for the district and E. J. functions in this capacity as well as in bringing the programs to the units in his district.

This is accomplished at training sessions with unit representatives. E. J. is also called upon as a "troubleshooter" to help with unit problems.

"I have worked with other youth organizations," E. J. says, "and I've found that Boy Scouts is the only organization with a full program for boys. By its very nature scouting builds character, develops leadership and instills a sense of duty. These are prime require-

ments for citizens of a democracy. What we are doing with boys today will have a great effect on the affairs of our country tomorrow."

E. J. was both a Cub and Boy Scout as a youngster. For this reason he encouraged his own sons to become active in scouting. He had to organize a cub pack to make this possible for his oldest son, and then E. J. served as cubmaster, committeeman and in other positions. He has been an active adult leader since 1948.

"It's a full-time spare-time job," Tom says, "but it pays off. I feel that I'm doing something for the future of these boys, something worthwhile in building character. And I have as much fun as they do."

Boy Scouts 50th Year Finding Many Sandians Active Leaders

Since 1910, when the Boy Scouts of America organization was founded, scouting has influenced millions of Americans.

"Be Prepared," the famous scout motto and "Do a Good Turn Everyday," one of the scout laws, have become part of the American way of life.

As the scouts observe their Golden Anniversary this year, the *Lab News* looks at a few Sandia employees, representative of many, who devote long hours of volunteer time making possible the activities of this great youth organization.

In the Albuquerque area 2126 volunteer adult leaders work with 6415 scouts. It has been estimated that in one district, the Sandia

District of the Kit Carson Council, "at least 50 per cent" of the adult leaders are employees of Sandia Corporation.

These Sandians along with their friends and neighbors provide a program of activity for boys from the ages of eight to 18 designed to instill moral character, duty and devotion, self-reliance and leadership ability.

In addition the program provides a healthy outdoor release for youthful energies.

President Eisenhower has said, "Founded on obedience to God and guided by the principles of good citizenship, the Boy Scouts of America have long contributed to the welfare of the land by building young lives strong in body, mind and spirit."



DISTRICT COMMISSIONER E. J. Smith (4211) reflects for a moment upon the rewards of scouting. As Commissioner of the Sandia District of the Kit Carson Council of Boy Scouts, he is responsible for the scouting activities of about 2700 boys.



LEADERSHIP TRAINING SESSIONS for Boy Scout adult leaders are planned above by (l to r) Fred Magee (5313), R. D. Brooks (5331) and Lyle Newman (5313). The trio will conduct the training sessions tomorrow in the community room of the First National Bank, East Central Branch. Albuquerque scout leaders will attend.



CUBMASTER IVAN MOORE (5310), above right, has been active as an adult scout leader for eight years. Here he helps a group of cubs conduct model car races during a pack meeting.

Cub Scout Leader Thinks Scouting Should Be Fun — But Carry Out Plan

"The thing I try always to keep in mind about scouting," Ivan Moore (5310), cubmaster, says, "is that the activities should be fun for the boys."

Ivan has been active as an adult leader in Cub Scout activities for eight years. He has served as a pack committeeman, assistant cubmaster and cubmaster.

As cubmaster he is responsible for the pack which, in his case, has four dens. He works with the den mothers and conducts a monthly pack meeting. Boys range in age from eight to 11 years.

Two of his own sons have completed the Cub Scout program and one is currently participating. Another son is too young.

"Every parent," Ivan says, "with a boy in scouting has a responsibility for his own participation. It is fundamentally a volunteer organization provided by parents interested in their boys."

Ivan feels that the rewards for scout participation are great. "Certainly scouting benefits the youngsters and a parent receives satisfaction directly in proportion to the effort he puts forth," he says.

"I look forward to many more years in scouting," he says. "After all, I still have one son to go."

In the meantime, Mrs. Moore is an adult leader in Girl Scouts, but that's another story.

Trio of Sandians Serve Scouting Many Ways — All for Boys' Benefit

Fred Magee (5313), R. D. Brooks (5331) and Lyle Newman (5313) are three Sandians whose work together in the Military Liaison organization has led to working together in Boy Scout activities.

Fred is a District Committeeman for the Kit Carson Council of Boy Scouts. In this position he is coordinator of all activities of the Sandia District. He works with committees of adult scout leaders on leadership and training, organization and extension, health and safety, finance, advancement, camping and activities.

R. D. Brooks heads the committee on leadership and training. Lyle Newman is a member of this committee and is responsible for training of Cub Scout leaders. Typical of the functions of many scout committees on the district level, its work is rarely with the boys.

Its problems are those of supplying the many hundreds of trained volunteers necessary to keep the work of the packs and troops functioning.

For instance, the leadership and training committee will be conducting an all-day training session for adult scout leaders tomorrow. These training sessions are conducted by the committee four times a year and cover scout philosophy, basic skills and demonstrate ideas useful to scout units.

"The turnover in volunteer leaders for scouting is continuous," Fred says. "As long as parents have boys who are members of the organization, we can expect them to help, but after their sons have completed their years in scouting the parents lose interest."

Both Fred and R. D. have sons in scouting but Lyle was "drafted" into helping with the training committees.

"The incentive to work in the scouting program doesn't necessarily derive from the service you give to your own children," Lyle says. "There is a great deal of personal satisfaction in the knowledge that you may be doing service for others."

Employees at Livermore Lab Devote Much Time to Scouts

A lesser-known aspect of the Boy Scout movement occupies the spare time of Carroll Russell (8213-3), who serves as skipper of the Sea Scout ship Sea Wolf, berthed near Lafayette, Cal.

The troop, or "ship," he commands, is made up of 20 boys ranging in age from 14 to 18. The ship is part of the Mount Diablo Council of the Boy Scouts of America, which consists of 18 ships with equipment valued at over \$2,500,000.

Week ends find Carroll on the Sea Wolf, a 40-foot converted Navy liberty launch powered by a 250 horsepower marine diesel engine. He and his crew are inland sailors, navigating the many rivers and bays in Northern California.

Two big events are in the offing for the crew. Right after school ends this spring the Sea Wolf will embark on an eight day trip up the Sacramento River. The boat has provisions to sleep 12.

The Decoration Day Regatta, an annual event held during the summer at Government Island near Oakland, is the highlight of the sea scouting season, Carroll said. His crew will compete in seamanship events with 1500 scouts from as far away as Salt Lake City.

Carroll, a Tab Analyst in Livermore Laboratory's Tabulation Section, has been active in Sea Scout work for the past seven years. One of his two sons serves on his ship, and the other, "a landlubber," is active in the 4-H program.

Never At Sea

"I've never been to sea," Carroll admits, "but I've been interested in sea scouting since I was a boy."

Carroll spent three years as a sea scout in Erie, Pa., and Milwaukee, Wis. For the past seven years he has served as a sea scout leader, or "skipper," in Lafayette.

The sea scouts are members of the senior division of the Boy Scouts of America. They have been affiliated with the Boy Scouts since 1916. When the Explorer Scouts were organized in 1936 the sea scouts became known as Sea Explorers.

"The gratifying part of my job," said Carroll, "is seeing how well the boys do when they leave the scouts. One fellow from our ship joined the Coast Guard and passed the entrance examination with the highest marks ever achieved at that station. He later went on to radar school where his scholastic achievements established a new record."

Other Sandians at Livermore



SEA SCOUT SKIPPER Carroll Russell (8213-3) welcomes aboard an apprentice seaman at a recent division meeting of his crew. The Sea Scouts are a part of the senior division of Boy Scouts of America.

feel as Carroll does—that the rewards are worth the efforts.

District Committeeman

Among those engaged in scouting work at Livermore Laboratory is Jack Wilson (8116-3), a district committeeman for the past four years. He has served as assistant chairman of the Twin Valleys district camping committee for the past year.

Also active in scouting in 8116-3 is Ted Payne whose son entered the Cub Scouts in Hayward, Cal., last June. Like father, like son, says Ted, who has been working on the entertainment committee of his son's troop for the past two months.

John Hitchcock and John Wheelock (both of 8116-2) spend much of their spare time working with Troop 939 in Livermore. John Hitchcock is an assistant scoutmaster and John Wheelock is treasurer of the troop.

Dave Knetzer (8116-2) serves as a scouter, a volunteer who contributes assistance when needed.

Completing the list in 8116 is Al Ford, who serves as assistant pack master of Pack 932. Serving with him is James P. Brock (8224), cub master.

Bruce Honey (8121-2), spends his spare moments, as institution representative for Scout Troop and Explorer Post 802 in Hayward.

In Pleasanton Chuck Pignolet (8161-2) has two boys in the

scouts and he pitches in to help. He has been treasurer of Troop 908 since last fall. Serving with another troop in Pleasanton, Troop 948, is Lou Guintard (8161-1), who is assistant scoutmaster.

Others in 8161-2 participating in scouting activities are Bob Johnson, who is a committeeman with Pack 942, Livermore; Jerome Jones, who is a committee chairman with Pack 922 in Livermore, and K. G. Foster, who serves on a committee with Troop 906, Livermore.

Start New Troops

Bob Siglock and Irving Pytlík (both of 8114-3) have volunteered their services in organizing new troops. Bob is working with a new scout troop in Livermore and Irv is helping to set up a cub pack in Castro Valley.

Dick Ballard (8212-2) and R. L. Brin (8110) serve as committee chairmen with Cub Pack 942 in Livermore. Also involved in Cub Scout work is James Perkowski (8211-2), who is treasurer of Cub Pack 932.

Howard Reed and Guy Roberts (both of 8152-2) contribute much to Troop 939 and Howard serves as chairman of troop committee. Institutional representative for the troop and for Explorer Post 939 is Bob Weaver (8115-2). Bob succeeded Lee Davies (8150) who has one son in the Boy Scouts and one son who is an Explorer Scout. Lee, who was active in the program for five years, believes that everyone with children should participate in the scouting program.

Ken Purchase (8213) spends his spare time as scoutmaster of Troop 220 in Walnut Creek. He also serves as neighborhood scouting commissioner.

Space does not permit listing all of the Sandians at Livermore who contribute their time and efforts to scouting programs, but this representative sampling is an indication of the valuable services Sandians are providing in their communities.

Livermore Boy Scouts Planning to Attend National Jamboree

Proceeds from the sale of Christmas trees in Pleasanton last season will finance a trip for eight Boy Scouts in Pleasanton to the National Jamboree in Colorado Springs this summer.

Lou Guintard (8161-1), assistant scoutmaster for Troop 948 in Pleasanton, reported that local merchants agreed not to compete with the scouts in the sale of trees.

A one week camping trip at Yosemite National Park beginning June 18 is planned for scouts of Troop 939 and their parents, according to Howard Reed (8152-2), who is assistant scoutmaster of the troop.



TROOP COMMITTEEMAN Jim Reid (4543-3) works with individual scouts during weekly troop meeting. Above he holds a discussion period covering a chapter of the official Boy Scout manual.

Life of Chairman Goes to Helping Scoutmaster Make Troop Effective

Jim Reid (4543-3) is chairman of a scout troop committee.

"After seven years as a scoutmaster," he says, "I thought I'd take it easy for a while."

Still, Jim manages to attend weekly meetings of the troop, assist the scoutmaster, work with individual scouts and participate in monthly camping trips.

The troop committee has responsibility of assisting the scoutmaster in the programs of the troop and handling the administration. For instance, one committeeman supervises the finances of the troop, another arranges transportation, while another committee member is in charge of advance-

ment programs. The entire committee works on details of troop projects and in arrangements for overnight camping trips plus arrangements for periodic court of honor ceremonies.

"In my years of working with scouts," Jim says, "I'd say that I've learned as much as they have. It's been a revelation to me in human personality. I've learned a great deal about kids and people."

As a boy Jim was not a scout. He first became active as an adult leader when his church needed an assistant scoutmaster to "fill in" for an ill scoutmaster.

"I've been 'filling in' ever since," he says.



HELPING SCOUTS earn merit badges is the specialty of Harvey Tappan (4411-6) above. As merit badge counselor he specializes in first aid and conducts exams for the scouts. Here he is shown demonstrating an arm sling improvised from a scout scarf.

Merit Badge Counselor Specializes In Supervision of First Aid Study

Harvey W. Tappan (4411-6) has been active as an adult leader in Boy Scout organizations for 15 years.

During the five years he has lived in Albuquerque, Harvey has held positions of neighborhood

Local Horseshoe Pitchers to Hold Special Meeting

A special meeting of the Albuquerque Horseshoe Pitching Club will be held at 7:30 p.m., Friday, March 25, at the branch office of the Albuquerque National Bank, Washington and Central NE.

There will be a committee report on the progress of the city installation of the 12 lighted courts in Los Altos Park. The club will also distribute the first shipment of professional-type horseshoes to the membership on a first-come, first-served basis.

Non-members are invited to attend. For further information contact Parker Burns (2641), ext. 28261.

commissioner, assistant district commissioner and merit badge counselor. He has devoted as much as five nights a week to scout activities and has attended several week-long camporees.

As merit badge counselor, Harvey specializes in first aid. Several years ago he took a first aid course in the Sandia Evening School and qualified as an instructor.

For the scouts he gives special instructions and conducts exams on skills and theory of first aid. A boy who passes this exam has earned another merit badge, another step up the ladder of Boy Scout success.

"It's this program of goals and specific requirements to reach the goals that gives scouting its strength," Harvey says. "A boy who works hard to reach the goals has earned recognition. In doing so, he has developed confidence and broadened his experience. To help in this is a rewarding experience for me."

Editorial Comment . . .

Boy Scouts Reach Age of 50 . . .

The year 1960 is a big one for the Boy Scouts of America. The organization is celebrating the 50th anniversary of its founding.

At present there are 5,000,000 active members of Boy Scouts and alumni of the group number 28,500,000. This makes a lot of people who have profited from the experience of being a Scout.

Scouters have planned a big year. Already they have observed National Boy Scout Week. In June the National Council meets in Washington. In the same month the Scouts will dedicate a historical museum at New Brunswick, New Jersey.

In July, 50,000 Scouts will participate in a jamboree at Colorado Springs while many more will be taking part in local jamborees. In the fall, Boy Scouts will conduct a nationwide non-partisan "Get-Out-The-Vote" campaign in cooperation with Freedoms Foundation. Throughout the year will be thousands of meetings, camp-outs, hikes, and other enterprises that regularly help the Boy Scout.

While the country helps Boy Scouts celebrate this Golden Anniversary, the men who have worked with Scouts through these years should not be forgotten. Without the volunteer cooperation of millions of fathers, mothers and friends Scouting would have failed.

A boy who becomes a Scout looks beyond the handbook he buys. Nor do these boys get their true inspiration from the figures of history. They grew to honorable manhood because some leader guided him through Scouting years by example.

The boy became a better man because a better man helped the boy.



JUMPING OFF POINT for Bill Long (8123-2) at the beginning of his Alaska trip was this motel in Fairbanks, Alaska. Temperature here was a mild, for mid-winter, 32 degrees above zero.

Continued from Page One . . .

Frigid Arctic Experiment

"that the shutter on my camera kept freezing up. I'd set the speed at a 50th of a second and it would take a half a second for the shutter to close."

The weather proved to be quite unpredictable during the trip. When the party left Fairbanks on their way to the site the city was caught in a "heat wave with the mercury at 32 above zero," Bill said. Landing at Kotzebue, an hour and a half flight from Fairbanks, the thermometer had dropped to minus 23 degrees.

Delayed Takeoff

Sunny California seemed a long way off to Bill on the last sched-

uled day of his Alaska trip. The group was supposed to leave the site on a Thursday, but a 40-mile-an-hour wind prevented them from taking off. The following day the wind velocity increased to 70 miles an hour. On Saturday it snowed. Sunday lived up to its name and the sun was visible as it reached a 15 degree zenith above the horizon. It was then that the group finally departed.

With Bill on the trip were Walt Arnold, Vic Karpenko and Jack Duncan, all of the Device Engineering Division, Lawrence Radiation Laboratory.

Supervisory Appointments

W. VERN SAWYER to supervisor of Pipefitting and Sheet Metal Section 4514-4, Plant Maintenance Department.



Vern has worked as a pipefitter since he was hired by the Corporation nearly seven years ago.

Previously he had been employed on construction jobs in Los Alamos, Santa Fe and Albuquerque since 1945.

Vern attended Oberlin Business College and afterwards worked 12 years as a field representative for a large incubator company. During World War II he served in the Army Air Corps, then worked as a steamfitter in Fairbanks, Alaska, Hanford, Wash., and Palm Springs, Cal.

He completed apprenticeships in both carpentry and steamfitting.

Classified Chords Prepare for May Livermore Program

One of the most popular employee groups at Livermore Laboratory is the recently-organized Sandia Mixed Chorus, with more than 50 Sandians as members.

The group which meets each Wednesday at noon in Room 249, Bldg. 912, has named itself "The Classified Chords." Immediate objective of the group, according to Bill Mack (8122-1), vice president of the club, is to present a performance for all Livermore employees. No date has been set so far, Bill said, but he expects it will be sometime in May.

The Employee Services organization at Livermore is assisting the group in purchasing a piano for future sessions. Hal Norris (8121-2) has agreed to provide the accompaniment for the club when the piano arrives.

Reputation of the new group has already reached downtown Livermore where a local business club has requested a performance by the group.

A. WILLIAM SNYDER to supervisor of Radiation Effects Studies and Testing Division 1628, Materials Standards Department.

Bill has been with Sandia seven years working mainly in radiation effects. He was active in the early planning for the Sandia Engineering Reactor Facility (SERF) and for three years has headed the Radiation Special Studies Section 1626-3, dealing with nuclear measurements, dosimetry and reactor component design.

Previously he did fundamental nuclear research work for two and a half years at the AEC's accelerator laboratory in Ames, Iowa.

Bill has a Master's degree in physics from Iowa State College and a Bachelor's degree from Franklin and Marshall College, Lancaster, Pa.

During World War II he served two and a half years in the Navy.

He is a member of Phi Beta Kappa, scholastic honorary, Sigma Pi Sigma, physics honorary, the American Nuclear Society and the American Society for Metals.

Noon Movies Bring Benny Goodman Story To Sandia Employees

Sandia Laboratory's noon hour movie schedule for the coming two weeks is:

March 21-22-23

"The Benny Goodman Story" with Steve Allen, Donna Reed (color).

March 24-25

"House of Seven Gables" with George Sanders, Vincent Price (B&W).

March 28-29-30

"Oliver Twist" with Alec Guinness, Robert Newton (B&W).

March 31 - April 1

"Against All Flags" with Errol Flynn, Maureen O'Hara, Anthony Quinn (color).



STREAKING ACROSS ICE are Sandians Sto Bell (5122), left, and Don Rigali (5142), members of the Thunderbirds ice hockey team. Both men play defense positions during action-packed league games.

'Rough and Exciting' Ice Hockey Attracts Sandia Lab Players

"Ice hockey is a fast, rough and exciting game," Sto Bell (5122) says. "As members of the Thunderbirds, we do not get paid for participating in league games or the two nights of practice we put in each week. We play for fun."

Other Sandians who play for fun with the Thunderbirds are R. S. DesJardin (1322), Werner Kuhn (1624), A. F. Lamoria (4643) and Don Rigali (5142). Pete Fessia (4412) is part of the team as equipment manager.

Now in a three way tie for first place in the Sandia Mountain Hockey League, the Thunderbirds will be battling for league honors tomorrow night at the Ice Arena and again on March 26, final game of the season.

Most of the Sandia members of the team are veterans of three seasons in Albuquerque ice hockey. The Thunderbirds were originally a military team sponsored by Sandia Base, but now the military is in no way connected with the team. Members are selected on the basis of ability. It is a volunteer team without a sponsor.

Sto Bell began skating early as a youngster in Waltham, Mass., and was a member of his prep school ice hockey team. He hadn't played the game again until he joined the Thunderbirds three years ago. He enjoys playing and feels that the exercise keeps him in shape.

"Keeps you in great condition," echoes "Des" DesJardin. Des also started skating when he was about five years old in Wisconsin. When he was about nine he moved to Albuquerque and didn't skate for several years. When he reached high school, a ice hockey league was organized and he played for Albuquerque High.

"Bud" Lamoria has played with the Thunderbirds for three seasons. He started skating early in Marquette, Mich., and played in a city ice hockey league until he finished high school.

Don Rigali, another man with three seasons with the Thunderbirds, also started early in St. Paul, Minn. He played in elementary school ice hockey teams and through high school. "It's a great game," he says, "and probably the most exciting spectator sport around."

Werner Kuhn, with three years with the Thunderbirds, is a veteran of a city league in Springfield, Mass. He started skating early and participated in ice hockey through high school and for several years in the city league.

Pete Fessia has been equipment manager for the Thunderbirds since the beginning of this season. Although not a skater, he is "a great fan." Pete attends all prac-



SIDELINE TALK during a practice session break. The Thunderbirds have big games tomorrow night and March 26. From left: Pete Fessia (4412), Bud Lamoria (4642), R. S. DesJardin (1322).



WERNER KUHN (1624), center for the Thunderbirds, shows action during practice session. Thunderbirds are currently in a three-way tie for first place in the Sandia Mountain Hockey league.

AIIE Meets Mar. 21 For Panel Discussion

American Institute of Industrial Engineers will meet Monday, March 21, at 7 p.m. at Reddy's Rendezvous, 222 Fifth SW.

Program for the evening will be a business meeting followed by a panel discussion on "What Should a Technical Society Do for Its Members?"

Practice sessions, issues equipment and generally makes himself useful to the team.

Joe Woodley, son of J. A. Woodley (2715), has been a member of the Thunderbirds for about two months. A native of St. Paul, Minn., Joe played for three years on a high school team there. An all-around athlete, he plans to enter UNM next term and try for the football team.

Ferris McKesson Died March 8 After Short Illness

Ferris K. McKesson, a Sandia employee for 11 years, died March 8 after a short illness. He was 57.

Interment was at Farmington, N. M.

Mr. McKesson was a staff assistant in Component Evaluation Division 5524.

Survivors include his widow, two sons, two married daughters, a brother and four grandchildren.



Service Awards

10 Years



Donald J. Loehle
2251
Mar. 21, 1950



Anthony A. Repetti
1413
Mar. 23, 1950



Dora W. Dyer
3466
Mar. 27, 1950



Juanita Fidler
3464
Mar. 27, 1950

Five Years

Mar. 19-Apr. 1

Donald N. Cox 4412, Mark A. Elich 5313, Gresham G. Downs 1411, Jean A. Horvath 5241, Charlotte L. Freedman 3126, Robert B. Allison 5143, Gloria G. Baca 3423, Helen E. Batchelor 3463, John S. Cowan 5323, Mary Beth Eastman 2225, James B. Gibbons 2752, Gladys M. Leierer 3240, William H. Carman 5216.

Uncovered Horseshoe Stakes Are Safety Hazards, Cover Them

Employees who use horseshoe courts during the noon hour or break periods are urged to replace covers on the stakes before leaving the courts.

Several instances of covers being left off have been reported recently. These are safety hazards to unsuspecting employees walking through the area.

Jim Leonard Heads Golf Association As Board Chairman

Jim Leonard (1247) has been elected to head the 1960 Sandia Corporation Golf Association Board of Directors. Other members are Jim Arnold (1611), vice president; Jim Cocke (1225), past president; Willett (3251) (George Banos, Employee Services representative, is permanent secretary of the board.

Employees interested in participating in the golf league this year should send the following information to George Banos (3122): name, organization, building, room number, phone, team members, team captain and league preference.

There will be an evening league and a weekend league starting the first week in May.

Any employee who is not a member of a team should contact George, ext. 29157, who will place him on a team.

L. J. Ratliff Died At Home; Previously Retired From Sandia

Lawrence J. Ratliff, a retired Sandia Corporation employee, was found dead in his Albuquerque home on Feb. 19. He was 68.

Mr. Ratliff retired March 1, 1957 after five and a half years at Sandia Laboratory as a machine operator.

He is survived by his nephew, James Tuttle of Alamogordo, N. Mex.



Hidden Valley, Caves To Be Explored by Mountain Club

A hidden valley and caves are New Mexico Mountain Club attractions for the coming week-ends.

A wooded valley, reached only by a scramble through a dark, narrow gorge, will be Sunday's destination. If time permits, a stop will be made at Tent Rocks to view those strange formations.

The week-end of March 26-27 the Fort Stanton caves will be explored. Special equipment — carbide lamp, hard hat or helmet liner — will be needed.

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



GLORIA TOLAND (2714), above, won the ladies' singles ping pong tournament by defeating June Leonard (3431-1) in three games out of four.

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LAB NEWS

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GOLF CHAMPS Bill Ryan (8211) and Don Warner (8122-1) receive individual trophies from R. E. Poole, vice president at Livermore, for their scores in the first annual 8100-8200 golf tournament. Kermit Cooper (8114-4), left, captained winning 8100 team.

Gun Club Elects

Sandia Gun Club has elected officers for the coming year and the majority are Corporation employees. They include: Tom Myers (1621), president; Robert Branks (4412), first vice president; Sanford Erickson (1622), membership vice president; William Stoppkotte (1423), secretary-treasurer; Wesley Kimbrel (4514), marksmanship director, and Alan Fairbanks (1332), purchasing agent.

Competition in the big bore league was completed last week-end. Highest average individual score was 181 out of a possible 200 points gained by Wesley Kimbrel.

Marlin Pound in Panel Discussion

Marlin Pound (8212-1) will represent industry in a panel discussion today and tomorrow on the subject "What are the implications of recent and expected developments in science and industry for college instruction in mathematics and the sciences?"

The discussion is part of a two-day program on improvement of math and science instruction in the junior colleges of California. The California State Department of Education is sponsoring the program at the University of California at Davis.

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

- 3 BRM Roberson, 1 1/2 baths, walls, fireplaces, 1376 sq. ft., \$16,000, \$900 down. Enc Jardin, AX 9-0077.
- COLLIERS ENCYCLOPEDIAS, 20 volumes, junior classics, etc., \$125. Zingg, AX 8-2729.
- BABY CRIB, hard maple, double drop sides, no mattress, \$12 or best offer. Babcock, AL 6-2705.
- ONE A-CRIB on Eubank; '52 Chevrolet 1/2 ton, 4-speed, overloads, trailer hitch, canvas cover. Brooks, BU 2-3184.
- '55 PLYMOUTH Plaza 4-dr. sedan, stan. transm., \$500; '58 Oldsmobile Convertible, low mileage, \$1995. Belmore, AX 9-5770.
- '55 CHEVROLET, 1/2 ton pick-up, \$795. Silva, DI 4-6714.
- FIREPLACE TOOLS, \$5; small tricycle, \$4; teeter babe, \$2; laundry cart, \$3; plastic pool, 6x6 ft., \$4. Sedgwick, AX 9-9071, 3426 Parsifal NE.
- PORT-A-CRIB w/mattress, \$20; Taylor Tot stroller, \$3. Paris, AM 8-9968.
- '59 MGA, wire wheels, R&H, autom. windshield washer. Chavez, AL 5-2625, 909 Washington NE.
- '54 OLDSMOBILE 88, 2-dr. hardtop, low mileage, PB, R&H. Solazar, AL 5-1301, 420 Graceland SE.
- DOBERMAN BOXER, \$35 takes with all shots, will make good ranch dog. Chavez, AL 5-6155 after 5:30 p.m., 329 Mesillas St. NE.
- ELECTRIC ORGAN, Wurlitzer, 5 mos. old, McCollum, AX 9-2367, 10005 Menaul NE.
- '54 MERCURY Monterey, 4-dr. sedan, R&H, PB and seat, carpeted, 1 owner, best offer over \$500. Kellum, AX 9-6018.
- KENMORE IRONER deluxe, does everything; half price or best offer. Kyrilach, DI 4-3083.
- BXER PUPPIES, excellent bloodline, reasonable. Bewley, AX 9-1856.
- BAR BELL SET, 160 lb. w/instruction book, \$30. Davis, AL 5-1050, 4510 Joe Dan Pl., NE.
- '60 TRIUMPH TR-3 roadster, 3500 miles, wire wheels, R&H, priced for quick sale. Fowler, AM 8-2171.
- '49 INTERNATIONAL 4-speed pick-up, trailer hitch, heater, other extras, \$350. Stuart, AX 9-9190.
- '55 RADIAL SAW, Sears 10 in., accra arm, mounted on bench w/casters; Sober saw attachment; mending head set; \$180 cash. Hule, AX 9-2396.
- 2 BRM HOME, large carport, AC, good location, low down payment, 7413 Sky-court Circle NE. Simpson, AX 9-8922.
- POOL TABLE, stand, size, \$60; tonneau top for Thunderbird, \$20. Romero, DI 4-0302.

SILVER POODLES, miniature, 6 wks. old, AKC registered, \$100-\$150; Tarver "Melo-Call" intercom, clock, etc., wholesale, \$134, sell, \$90. Carpenter, AX 9-4137.

SWIMMING POOL, new Buster Crabbe, 16x32 ft., retails for \$1850 installed; sacrifice for \$900 cash, financing available. Padilla, AL 5-0309 or DI 4-6822.

RADIO, AM-FM console, changer, Silver-tone; camera, Busch, 2 1/4 x 3 1/4 loaded w/accessories, trade for ham, camping, boat equipment. Clenny, UN 4-8394, Los Lunas.

'59 VOLKSWAGEN Sedan w/leatherette, purchased August 1959, \$1615. Freshman, AX 9-9263.

BATHTUB w/sliding glass doors; interior, exterior doors; venetian blinds; 16 pane window, steel opens both sides. Vandi, AL 5-0685, 1843 Cagua Pl., NE.

'55 BEL AIR Coupe, black and white, continental kit, R&H. Stillwell, AX 9-8243.

CRIB AND MATTRESS, \$15; mahogany corner table and step table, \$20; trailer hitch and overloads, \$20; motorcycle, \$30. Patterson, AX 9-6590.

'57 OLDS "Fiesta" station wagon, hydraulic, PS & PB, R&H, WSW Premium tires, tutone, most extras, '60 license, \$1950. Sandy, AX 9-0120.

YOUTH BED w/Kant wet mattress; best offer. McCullar, AX 9-0638.

COFFEE TABLE, \$4.75; child's cot, new, \$4.50; vanity w/bench, nice for young girl; child's platform rocker, \$5. Villella, AX 9-7915, 1600 Maxine NE.

TABLE, black metal w/wood; solid oak 39 in. bunk bedstead. Luckett, AL 6-2346 after 5:30 p.m.

RIFLE STOCKS for 1903-A3 .30-'06 Springfield rifles, converted army stocks, finished, w/Pachmeyer recoil pad; two at \$10 ea. Owens, AL 6-3789.

BULLET MAKING OUTFIT, 38 Wadcutter, sizer-lubricator, molds, dipper, in original boxes, pot, 12 lb. lead, \$18. Taylor AL 6-3774.

'59 ALFA ROMERO Giulietta Sprint white, 6000 mi., \$3100. Field, AL 5-6119, 2837 Palomas NE.

'53 CHEVROLET 2-dr. hardtop, R&H, four new tires; leaving town, must sell, priced reasonable. Easton, AL 5-2758.

'47 PACKARD, 4 dr., R&H, two new tires and battery, recent overhaul, \$200. Collins, AL 6-6886.

'47 CADILLAC 4-dr., sedan, hydramatic, '56 custom motor, less than 20,000 mi. \$300. Wahlenmaier, AL 5-9953.

SPORTERIZED .30-06 Enfield, \$65; 10 in., GE table TV, \$25; trade for gas engine, swing set, 257 Roberts rifle. Adams, AM 8-5943.

'58 PLYMOUTH Savoy 2-dr., hardtop, R&H, V8 auto. trans.; sell or trade. Oard, AL 6-2697 after 5:30 p.m.

GE STOVE, pale yellow, full size, automatic oven; cost, \$379.95, sell for \$150. Stump, AM 8-7754, 1114 Solano Dr., NE.

'55 BUICK, 4-door. King, AM 8-4258 after 5 p.m.

'57 CHEVROLET 2-dr. hardtop, sport coupe, V8 power pack, R&H, 2-tone paint, w/w tires and wheel covers, \$1395. Fay, CH 3-6244.

3 BRM BRICK, SE Heights, pitched roof, 1 1/2 baths, HW floors, carpeting, landscaped, walled. Aidikonis, AL 5-2163.

RABBIT, Champagne, female, full grown, \$3; raise own Easter bunnies. Simmons, ext. 36295.

MOBILE RADIO RIG, AF-67 transmitter; Marrow MFR-5 receiver; power supply Elmac 1050, AC power supply Elmac; whip aerial, \$350. Silva, AX 9-2195 after 6 p.m.

NEXT

DEADLINE

FOR SHOPPING CENTER ADS
Friday Noon, March 25

- '59 MERCURY Montclair, 2-dr. hardtop, fully equipped, 12,000 mi., priced at less than market. Crumley, 931 Alvarado SE, Apt. B.
- TWO "WELL-LOCATED ACRES in Albuquerque Ranch Estates, excellent investment opportunities at \$1850 ea., cash. Mitchell, ext. 35297 after 5:30 p.m.
- '28 "A" FORD Coupe, '48 Ford flat head, complete; two 8.00 x 14 tires. Campbell, AX 9-4830.
- MOTOR SCOOTER, Cruisair, 2 yrs. old, \$195. Cleveland, AX 8-0218.
- WALNUT DESK, new double pedestal, 48 x 22 top, \$55. Brown, AL 5-0566.
- TENT, 2 rooms, 10x14 plus 5x6, 2 windows; sleeping bag, 4 lb. Dacron, oversized; Coleman lantern, double mantle. Geibel, AM 8-8147.
- PAIR OF SKIS and poles, reasonable. Bidwell, AL 5-5434.
- 2-WHEEL TRAILER, 6x6 w/spare and steel rack, \$45. Hueter, CH 2-1620.
- BOWLING BALL, \$13; shotgun 12 ga. Springfield automatic w/case, equipment, \$65; girl's coat, size 12. Galbreath, DI 4-4306, 3730 Manchester NE.
- '49 FORD Sedan, R&H, good transportation, \$75. Clark, AL 5-5747 after 5:30 p.m.
- TWO 9x12 ft. gray rugs and pads, \$10 ea.; rotary lawn mower; treadle sewing machine; nursery chair; child's maple rocker. Swetsman, AX 9-3256.
- LOTS in North Valley, 140x200. Padilla, DI 4-0094 or AM 8-7476.
- FREEZER, upright, Westinghouse, 22 cu. ft., sealed unit, late model, \$265; truck side-mirror, \$5. Baca, AL 5-8452.
- NORGE GAS RANGE, 38 in., w/timer and electric light, \$40; Servel gas refrigerator, \$85; Karkalik, AX 9-8769, 9529 Snowheights NE.
- CHILD'S RECORD PLAYER, \$3; swing set, \$12; merry-go-round, \$8; new laundry tub on casters, \$7. Frank, AX 9-1370.
- UTILITY TRAILER, David Bradley, \$45. Bullock, ext. 49152.
- ALL METAL UTILITY trailer, single wheel, \$35. Lincoln, ext. 39143.
- CROSLLEY, cast iron block engine and transmission recently overhauled, several spare parts. Jenkins, AX 8-1131.
- '50 OLDSMOBILE 88, hydromatic, 4-dr., R&H; Englander double mattress and springs, \$25; twin head-boards and legs, \$7; car-bed, \$3.50. Beasley, AX 9-9053.
- COFFEE TABLE, solid 38 in. dia. lined oak, \$25; pair matching lined oak end tables, \$35. Barnett, AL 5-7465.
- SPRINGFIELD 1884 musket, \$15; Winchester model 12 shotgun, \$65; trade for German luger or old knives. Smitha, AX 9-1096.
- HI-FI HEATHKIT Mono preamplifier; dynastere adapter; Eico stereo preamplifier; Willett maple dinette table and 4 chairs. Hendricks, DI 2-0135, 619 Spruce St. NE.
- AIR CONDITIONER, 2000 CFM, recirculating pump, cost \$96 new, will take \$55 cash. Morrison, CH 3-2011, 1244 Saiz NW.
- '55 MERCURY hardtop, 35,000 mi., autom. trans., R&H, w/w tires, 2-tone, foam

UPRIGHT PIANO, Kimball, \$125. Takahashi, AL 6-0743.

26 ACRES in Manzano Mountains close to Routes 10 and 217; ideal for sub-dividing. Robards, AL 5-8410 after 6 p.m.

GE RADIO-TV-PHONO combination, mahogany finish, \$80. Zeller, DI 4-9000.

'58 CADILLAC, 16,000 mi., all power, AC, jet black, \$3695; will consider trade. Thompson, AX 9-7806.

ACCORDION, 120 bass, Italian hand-made, \$125. Turner, DI 4-7082.

'52 ALLSTATE Motor scooter, \$65. LaPoint, AM 8-2290.

HIGHCHAIR, table type, \$10. Caulkins, AX 9-1879, 1325 Parsifal NE.

3 BRM HOME, patio, wall, garage, landscaped, no qualifying, vacant, \$12,500. Dieroff, AX 9-6526, 9904 Avilla NE.

SERVEL GAS REFRIGERATOR, 6 cu. ft.; sell or trade for power tools or camping equipment. Wakeland, AX 9-2519, 6509 Natalie NE.

'51 PLYMOUTH, 4-dr., R&H, good second car. Simmons, AL 6-4787.

'58 FORD 4-dr. Ranchwagon, 6-cyl. overdrive, 27,000 mi. Fife, BU 2-3214.

EVAPORATIVE COOLER, portable, \$15; 9 x 12 charcoal Deltax fiber rug, \$5; hand lawn mower, \$7. Doyle, AL 5-1483, 3524 Florida NE.

BICYCLE, heavy duty tires and tubes, newly repaired, adult or large boy's size, \$20. Summer, AX 9-1912.

TV Admiral console 17 in., \$75. Sanchez, AM 8-5432.

MAPLE BEDROOM SET, 2 twin-bookcase frames, triple dresser; 20 volume set Book of Knowledge. Trumble, AM 8-7477.

'53 "150" CHEVROLET 4-dr., recent engine overhaul, new brakes and nylon tires, \$395. McGuire, CH 3-6982.

HO COLLECTION, 75 ft. track, 4 engines, 15 cars, 2 switches, trestle, control rectifier \$50. Tarbell, AL 6-1322.

'50 STUDEBAKER Champion, 1921, 1960 license, needs work before running, \$95. Muehlenweg, AM 8-0316, 1312 Espanola NE.

MAPLE BUNK BEDS, \$45; 48 in. coil spring rollaway bed, \$12; Thayer baby buggy, \$15. McCall, AM 8-1169, 5309 Comanche Rd. NE.

COUNTRY HOME, half acre, trees, flowers, coral, 5 rooms, living room large, not too far out, near city school. Russell, AM 8-2523.

4 BRM Colorock in Princess Jeanne Park, \$14,000 total, \$1500 down; by appointment only. Libby, AM 8-2025, 1714 Hermosa NE.

GUN COLLECTION, Colt autos, single actions, Remington rifles; 49 lb. hunting bow w/12 custom arrows and all accessories. Pappas, AM 8-0781.

3 BRM BRICK 1 1/2 baths, HW floors, CH, AC, sprinklers, terraced yard w/patio, priced below FHA appraisal, Seay, AX 9-5270.

GIRL'S BIKE, 20 in., 1 1/2 yrs. old, \$25. Rodocovich, AX 9-3123.

FRENCH PROVINCIAL CUCH, \$75; sectional \$35; FM-PHONO-TV, wood cabinet, \$75; 2 tables and lamp, \$25. Saturdays only. Frankel, AM 8-0100.

FOUR ADJOINING LOTS, each 60 x 137 ft., near Menaul and Juan Tabo, \$1295 each. Clark, AX 9-1129.

AUTO PISTOL, Astra "400", Spain, Mod 1921, takes 9 mm Luger, .38 Auto, .38 Super \$26.50; no trades. Young, AL 6-9158.

'59 CUSHMAN MUSTANG scooter, 9 mos. old, \$400. Chandler, DI 4-6609, 4007 San Andres NE.

SEWING MACHINE, Remington electric portable, \$35. Petrini, AX 8-0433 after 5:30 p.m.

SWING-SET, children's \$5. Nelson, AL 6-6300, 417 Mesilla NE.

LOST AND FOUND

LOST: Ladies gold Bulova watch; red billfold w/ID of Gail Wood; 4 keys on brass chain; pipe; black rim safety glasses; grey Parker pencil; tan gloves; standard green diary. Lost and Found, ext. 26149.

FOUND: Key on Family Day chain; ladies or child's amber frame glasses; white knit glove; tinted safety prescription glasses; black wool gloves; brown plastic and metal framed glasses; ladies black glove; white pearl pen knife. Lost and Found, ext. 26149.

FOR RENT

2 BRM HOME, unfurnished, near Parkland Hills, \$95 monthly plus utilities. Blasyk, AL 5-2218.

1 BRM APT. unfurnished, built-in range and oven with or w/o refrigerator, carport. Benson, AL 5-6004.

WANTED

ONE OR TWO LADIES to share my large home at 1504 Alvarado Dr., NE; consider sharing room in my car if Corporation hours. Daniel, AM 8-4898.

VW PANEL truck in fair to good condition. Gonzalez, AM 8-1084.

3 BRM HOME and den in Highland High school area. Hayes, ext. 25170 after 5 p.m.

35 HP OUTBOARD MOTOR, min. elec.; trailer for a 15 ft. boat; water sking equipment, McFarland, AX 9-1819.

TO TRADE Pioneer, Frontier and Thunderbird stamps for S & H Green stamps. Hobbs, CH 2-4745.

TRAILER BUILDER to open trailer space in return for rent free living; have undeveloped land in Sandia mountains. Souder, BU 2-3274.

TO TRADE Pioneer saving stamps for S & H savings stamps. Williams, AX 9-5777.

BABYSITTING by reliable girl. Williams, AX 9-3828.

HOME for 1 puppy, free. Tatum, CH 2-9021.

TO SHARE HOME and expenses with middle aged woman or couple; 3 bedroom home w/2 baths. Andrews, AM 8-5340 after 5 p.m.

FOR SALE AT LIVERMORE

SAFETY SHOES, Lehigh, size 9 1/2 D, \$9.20; washer, Frigidaire automatic, \$50; TV, Muntz 40 in., \$125; refrigerator, apt. size, \$7. Henderson, HI 7-4417.

GAS STOVE, Modern Maid, make offer. Kersey, HI 7-5961.

MOVIE CAMERA, Keystone, 8 mm tele-scopic lens, \$75. Vincent, VI 6-5550.

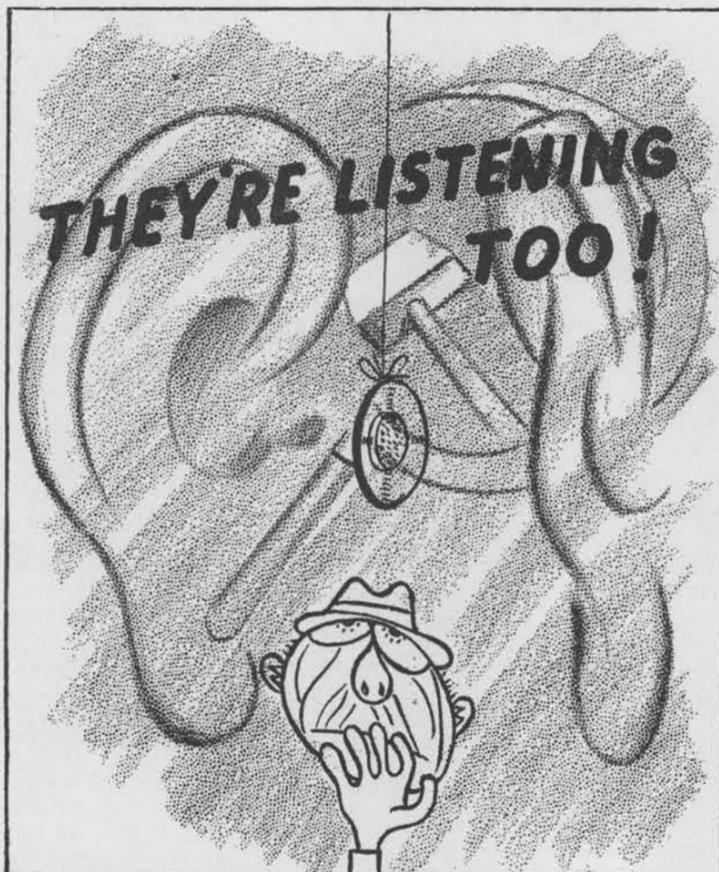
'52 MERCURY, Monterey, 4-dr. sedan, 2-tone, R&H, overdrive, license included, \$295. Honey, LU 2-1639.

BABY BUGGY, combination stroller, carbed, \$10; scale, \$5; high chair free w/purchase of other items. Rogers, HI 7-1736.

'57 CHEVROLET, Arnett, HI 7-4759.

3 BRM HOME, 2 bath, single garage, elect. kitchen, landscaped, fenced, sprinklers; may assume 4 1/2% GI loan or refinance. Tackey, HI 7-4075.

3 BRM HOME, 2 bath, family room, fireplace, utility room, \$17,200. Davies, HI 7-5531.



SECURITY POSTERS are being placed on bulletin boards during March to publicize the current security theme "They're Listening, Too." Orin Pederson (3463) is designer of the poster.

Wire Tapping to Be Demonstrated By Livermore Security

"They're Listening, Too" is the security theme being emphasized during March by Security Operations and Information Division 3231.

To augment this program, a wire tapping demonstration will be conducted for three days March 29, 30, 31 in Bldg. 815. Members of the Security Section of Livermore Laboratory will demonstrate modern wire tapping methods and listening devices.

The program is designed for personnel whose positions require knowledge, handling and transmission of classified information.

Academy of Science Seeks Papers for Annual Meeting

New Mexico Academy of Science is issuing a call for papers to be presented at their semi-annual meeting in Socorro on Saturday, Apr. 9.

The Academy is attempting to interest and attract a wider range of New Mexico residents having scientific interests, especially those professional scientists connected with government projects throughout the state.

Papers may be on a technical level, should be calculated to interest colleagues in other fields of science, and should require from 10 to 15 minutes for presentation.

Employees wishing to submit a paper for presentation should send the title and a brief abstract to Dr. E. C. Coolidge, Dept. of Chemistry, NMIMT, Socorro. The application should also indicate what auxiliary equipment will be needed for the presentation (blackboard, lantern or 35 mm slide projector, running water, gas, etc.). Entries must be received for consideration not later than Mar. 19.

For further information contact Irving Auerbach (5150), ext. 23266.

W. W. Barnett to Retire March 31

Walter W. Barnett will retire from Sandia Corporation on March 31 after more than 11 years of service. He has worked in Division 4574 in Bldg. 802.



Mr. Barnett and his wife plan to stay in Albuquerque at 200 Roehl Rd. NW. Now that he has more leisure time, Mr. Barnett wants to check out all the choice fishing spots in the state. He also wants to raise his own vegetables.

Mr. Barnett has one son and seven grandchildren.

Outsized Photographic Equipment At Livermore Fills Three Rooms

A photography fan might wonder why three rooms are needed to house a single camera and a contact printing machine. He would wonder, that is, until he saw the gargantuan equipment just installed in the Reproduction Section (8232-2) at Livermore Laboratory.

Occupying two of the three rooms is a giant copy camera which is used to photograph drawings and prints for reproduction purposes. The camera uses film sheets measuring 20 by 24 inches and it is capable of enlarging material up to a size of 42 by 112 inches. Reductions smaller than the negative size are also possible.

The business end of the camera, and the copy board on which material is mounted, fills most of the main room in the photo studio. Behind it is another room in which the camera operator loads the camera and controls the lights and the shutter.

Twenty 150 watt bulbs are used to illuminate the subject being photographed. The lights are color balanced to provide basically the same illumination as sunlight.

A third room houses an enormous contact printer, capable of reproducing large engineering drawings to an accuracy of one sixty-fourth of an inch. Drawings as large as six by nine feet can be copied on the printer.

Completing the installation is a new photostat machine which will enlarge printed material up



FOCUSING giant copy camera in Livermore's Reproduction Section is Elliott Dopking.

to a maximum of 24 by 26 inches.

The addition of the new equipment will enable the Reproduction Section to provide faster service to engineering groups at Livermore Laboratory in reproducing documents and drawings, according to Esquipulo "Skip" Baca, supervisor of the Reproduction Section. Before the new equipment was installed much of the work had to be farmed out to other installations where equipment was available, Skip said.

Professional Engineers Thank Sandia For Observance of Engineers' Week

In a letter addressed to Sandia's president, the Albuquerque Chapter of the National Society of Professional Engineers expressed appreciation to Sandia employees for their participation in National Engineers' Week activities.

The letter was written by Daniel C. Hughes, president of the local NSPE chapter, and said in part:

"The tireless efforts of members of your organization along with their ingenious contributions of ideas, services and the selection

and arrangement of exhibits contributed materially to making Engineers' Week in this area the most successful of any previous year.

"It has been a pleasure to meet and work with members of your Corporation. They are to be commended for their sincere devotion to the engineering profession and the desire to acquaint the public with the progress being made in production, research and development in this field."

Salt Water Conversion Subject of Speaker at NMSPE Meeting Tonight

Conversion of saline into fresh water will be discussed tonight by J. W. O'Meara, Office of Saline Water, Washington D. C., at 8 p.m. in the Geology Lecture Hall, University of New Mexico.

The meeting, sponsored by the New Mexico Society of Professional Engineers, U.S. Bureau of Reclamation and UNM, is open to the public.

Mr. O'Meara will discuss current research of saline water conversion. Under the U. S. Department

of Interior, the Office of Saline Water is engaged in planning five demonstration plants. The plants will be located on the east, west and gulf coasts plus one in the northern great plains and one near Roswell, New Mexico.

The Roswell plant is being designed to convert 250,000 gallons of brackish water into fresh water per day.

Walter Scott (1282), NMSPE publicity chairman, urges anyone interested in this vital subject to attend.

Dr. S. Ulam Speaks At Sandia Research Colloquium March 22

Dr. S. Ulam, Los Alamos Scientific Laboratory, will be guest speaker at Sandia Research Seminar on Tuesday, March 22, at 9:30 a.m. in Bldg. 815. His topic will be "Theoretical Research Programs at Los Alamos."

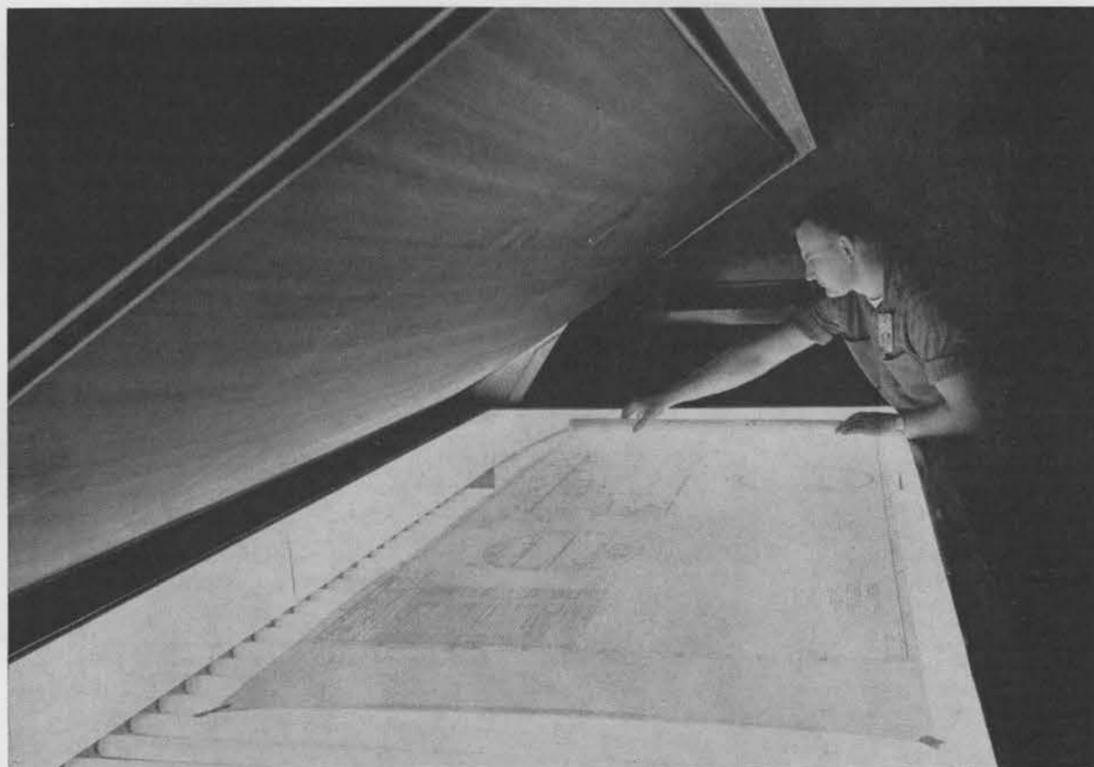
Tickets will be required for the meeting, according to Craig C. Hudson (5113), Colloquium chairman.

J. L. Colp Speaks to Engineering Students At U. of Illinois

J. L. Colp, supervisor of Nuclear Facilities and Equipment Section 1626-1, spoke last week to mechanical engineering students of the University of Illinois in Urbana. He discussed SERF, Sandia's Engineering Reactor Facility, and methods and equipment for remote handling in radiation test facilities.



SPEEDY COPIES of printed material can be obtained with this new photostat machine installed in the Reproduction Section at Livermore Laboratory. Operating Machine is Cedric James (8232-2).



HUGE ENGINEERING DRAWINGS can be reproduced to an accuracy of a sixty-fourth of an inch with this large contact printer in operation in the Reproduction Section. Operator is Gordon Bennett.

Sandia's Safety Record

Sandia Laboratory HAS WORKED 8,670,000 MAN HOURS WITHOUT A DISABLING INJURY

Livermore Laboratory HAS WORKED 2,853,000 MAN HOURS WITHOUT A DISABLING INJURY