

J. W. McRae Named Vice President A.T. & T.; J. P. Molnar Appointed Sandia President

J. W. McRae, president of Sandia Corporation for the past five years, will be promoted to vice president, American Telephone and Telegraph Co. Oct. 1. He will be coordinator of Defense Activities for the Bell System.

Taking Mr. McRae's post as Corporation president will be J. P. Molnar, who has been a vice president in the Bell Telephone Laboratories, Whippany, N. J. He has been in charge of one of Bell Laboratories research areas devoted to military programs.

On his new assignment, Mr.

McRae will be at A. T. & T. headquarters in New York City.

Mr. Molnar joined Bell Laboratories in 1945. He received an AB degree from Oberlin College in 1937 and a PhD degree from Massachusetts Institute of Technology in 1940.

He worked for a few years for the National Defense Research Committee and the Gulf Research and Development Company, then joined Bell Laboratories in 1945.

He was first concerned with research in physical electronics and the development of microwave tubes. In 1955 he was ap-

pointed director of Electron Tube Development and later that year he undertook responsibility for guided missiles.

In February, 1957, he was appointed Director of Military Development for the Laboratories and in August, 1957, took his present assignment.

Mr. Molnar is the author of a number of papers on atomic physics and is a member of the American Physical Society, the American Optical Society and the Institute of Radio Engineers.

Mr. and Mrs. Molnar and their son, Peter, live in Summit, N. J.



Paul Jolly and Michael Meeker
—Europe-bound for study—

Fulbright Scholarships

Sandia Summer Employees to Do Advanced Study in Europe

Two of Sandia's summer employees, both graduates of Massachusetts Institute of Technology, will be bound for Europe in September for a year of study under Fulbright Scholarships.

H. Paul Jolly will do advanced work in physics at the Technische Hochschule in Stuttgart, Germany, and Michael Meeker will study the history and philosophy of science at the University of Paris. Each has been studying French or German at MIT and under private tutors for about three years.

Although both received degrees in Physics at MIT this June, they knew each other only by sight and were unaware the other was coming to Sandia this summer.

Paul worked the summer of 1956 as well as the past few months at

Sandia in Special Problems Division 1413. The Technische Hochschule was selected by the Fulbright Commission for Paul's study because of their outstanding work in solid state physics.

Michael will be in France under the sponsorship of three organizations. His travel expenses will be handled by a Fulbright Scholarship. The Alliance Francaise, a group of American citizens of French descent, has presented him their Fribourg School Scholarship, which will cover school and living expenses. Michael has also been given the French Government Award, which in this case is purely honorary.

During the past two summers he has been doing solid state work in Applied Research Division 5132. Following his return from France, Michael plans to do advanced work in electrical gas discharges at MIT or Harvard University.

Sandia Scientists Appearing on MIT Statistics Program

A joint meeting of several mathematical societies at Massachusetts Institute of Technology next week will have numerous Sandians in attendance.

B. J. Pettis, summer consultant in 5121 and regularly a professor at the University of North Carolina, will present a paper entitled "On the Existence and Extension of Measures" at the American Mathematical Society meeting.

D. B. Owen (5125) will serve as chairman of the Institute of Mathematical Statistics session on "Invited Papers on Testing." He will also preside over a committee meeting on mathematical tables. George Steck (5125) will be secretary of the same meeting.

The Cambridge meeting Aug. 25-28 will also be sponsored by the Mathematical Association of America, Society for Industrial and Applied Mathematics and the Econometric Society.

Organizations Moved

Organization number has been changed for one Sandia department with another division number change slated for Sept. 1.

Receiving and Reclamation Department, previously 2160, is now 2240.

Starting next month Transportation Division 2235 will become Material Handling Division 2475.



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Supplemental Life Insurance Offered to Sandia Employees

Sandia Corporation employees' "fringe package" will increase in value next month.

Sept. 15 a new Supplemental Life Insurance Plan becomes effective and for two weeks all employees will be protected "for free" by a term life insurance policy equal to one year's basic pay rounded off to the next higher \$1,000.

Insured employees after that period will be those who have enrolled in the plan, provided 75 per cent of all eligible employees are participants.

Cost of this insurance to the employee is 40 cents per \$1,000 of coverage after the first \$1,000. Sandia Corporation pays the full cost of the first \$1,000 and the balance of the cost above the employee contribution after the first \$1,000.

No Medical Exam

No medical examination is required for this insurance which is with Prudential Insurance Company of America.

Those eligible to participate in the program are regular employees with a six months term of employment whose union, if they are represented by a union, has accepted the program.

One of the features of the program is that the life insurance continues when an employee retires at no cost to the retiree.

During the first year of retirement, the full amount of the insurance is provided. One year after the date of retirement the insurance is reduced by 10 per cent. On

Program Highlights —

Insurance payable on death from any cause.

Double indemnity if death results from accidental means.

Benefits for accidental loss of one or more limbs or eyesight.

Low-cost protection.

Free life insurance protection after retirement.

No medical examination if enrollment is accomplished within specified period.

each of the next four anniversaries of retirement the insurance is reduced by the same amount, but in no case does it ever go below \$1,500.

After the fifth anniversary of retirement the insurance continues at 50 per cent of the amount in effect at time of retirement. There will be no further reduction.

Arrangements have also been made to extend this insurance program free of charge to all employees who are presently retired. Coverage for these employees would be somewhat less than that to be provided to future retirees.

Double Indemnity

Another feature of the program which makes it attractive is the double indemnity and dismemberment clause.

In case death is the result of injury through violent external and accidental means, double the

amount of the life insurance is paid the beneficiary. A benefit is also payable in case of loss of hand, foot or sight by the same kind of accidental means.

The double indemnity and dismemberment portion of this coverage ends upon retirement from Sandia Corporation.

If an employee becomes totally disabled before becoming eligible to retire, and proof of the disability is offered, the insurance continues for periods up to three years, depending on the employee's term of employment.

Insurance on Leave

Employees who are granted leaves of absence, other than military, may make arrangements for continuing the insurance while away from work. In case an employee leaves the Corporation for any other reason than total disability or retirement, the insurance will cease at the end of the period for which the last payment was made.

In case an employee leaves Sandia Corporation arrangements may be made with the Insurance Company to convert the policy, without medical examination, to one of the forms of individual policies being issued by the company.

This conversion must be made within 31 days after the cessation of the Supplementary Life Insurance Plan.

Complete information on the Plan will be included in a booklet for distribution to all employees.

Vice President of AT&T Is Briefed By Sandia Staff

Eugene J. McNeely, executive vice president of the American Telephone and Telegraph Company, was a business visitor at Sandia Corporation last week. Mr. McNeely met with the staff of Sandia Corporation in a series of sessions.

With the Bell System since 1922, he has served with the Southwestern Bell Telephone Company, Northwestern Bell Telephone Company and AT&T. He is a trustee of the East River Savings Bank and Columbia University Teachers College and a director of the American Red Cross.

Mr. McNeely is also a director of AT&T, New England Telephone and Telegraph Company, The Southern New England Telephone Company and Illinois Bell Telephone Company.



Sandia Corporation Has Worked
22 Days
Without a Disabling Injury

HERE'S WHY...

Working, walking or riding Sandia employees know they must be law abiding. Last year 8,200 pedestrians were killed in the United States in addition to the many more killed in vehicles.

Where sidewalks are not provided, walk on the left side of the street, facing oncoming traffic. Give yourself and the driver a fair chance. Several employees have narrowly escaped injury by jay-walking, so cross only at intersections.



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 Office: Room 10, Bldg. 829, Public Relations Division
 Staff: Cherry Lou Burns, Richard A. Dickson, June Leonard, assistant editors
 Robert S. Gillespie, editor; William A. Jenkins, assistant editor, Livermore Branch



Telephones Sandia Base
 Alpine 6-4411
 Ext. 25253, 26135



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 and affiliated with International Council of Industrial Editors.

Try Shopping for Term Insurance

Sandia's new Supplementary Life Insurance Program is one crack in the iron curtain of inflationary prices. It's a bargain that can't be matched anywhere else.

If you enroll you will pay 40 cents per month per \$1,000 (after the first \$1,000 coverage for which the Corporation pays). Your coverage is determined by rounding off to the even \$1,000 above your annual salary. Thus, if you make \$4,800 per year, your coverage is \$5,000 — the cost to you \$1.60 per month.

If you don't like that bargain you can hunt for a better one. Here's what you'll find:

At Age	Annual Cost on Individual Term Insurance* \$5,000	Annual Cost on Sandia Supplemental Life Insurance \$5,000
20	\$40.20	\$19.20
25	45.00	19.20
30	49.20	19.20
35	56.40	19.20
40	67.20	19.20
45	87.00	19.20
50	120.60	19.20
55	173.40	19.20
60	235.20	19.20

*Prudential's five year renewable, term, insurance with accidental death and waiver of premium provisions.

Membership Report

There's a new club a'forming these days. Those belonging to LIFO* have badges of membership, can easily be recognized and are always short of breath. Badges of membership are turned ankles and scuffed knees, you can spot them because they are usually running. The clan meets morning and evening at tech area gates. Their meeting is brief — just about long enough to give the sign of belonging — an elbow in the ribs. (*Last In — First Out)

California Marriage

Congratulations are extended to John J. Sheridan (8131-1) on his recent marriage to the former Caroline Youngstrom at the Alameda Naval Air Base Chapel. The couple is now at home in Pelasanton.

Best wishes also to Henry Hermes (5121) on his forthcoming marriage Sept. 6 in Hays, Kans., to Imelda Wasinger. The couple will live in Albuquerque.

Weddings and Engagements

The engagement of Clyda Gravitt to Richard Bohannon has been announced with the wedding date set for Nov. 29.

Clyda has been with the Corporation three years in 7225, assigned to Division 1224. Her fiancé is in organization 1613 and will receive his 10 year service pin from Sandia this year.

After the ceremony the couple plans to take a honeymoon trip to California, then make their home on Sandia Base.

Carol Schafer (2552) and David League of Kirtland AFB have announced plans for their wedding on Oct. 11 at 7:30 p.m. at the First Christian Church. A reception at the church will follow.

Carol has been at Sandia since January.

Dorthalea Smith (2533) has decided on Sept. 6 for her marriage to Albert Hinchey, formerly of Sandia Base. The wedding will take place in Jefferson City, Tenn.

Dorthalea has worked for Sandia for two and one-half years. Wedding bells are ringing for summer employee Magdalene Gallegos (7225 assigned to 1451) and George Duran. The ceremony was Aug. 16 at Newman Center of the University of New Mexico campus.

Magdalene is a senior in Business Education at UNM and George is in the UNM College of Pharmacy. After a short honeymoon the couple will be at home at 1630 Grand NE.



Miss Schafer



Ada Jane Akin (1261)

Take a Memo, Please

Safety shoes have saved many toes at Sandia Corporation. Combine style and safety by taking a trip to the Safety Store in Bldg. 857. There's a profit in safety — make it your business.



THE BIRD in this cage of gilded blondes is Livermore's Walt Dzugan (8212-1), who mentioned one day that he preferred blondes. Next day they

all showed up with gleaming blonde coiffures. Blondes, L to R: Imogene Kelly, Betty Vineyard, Evelyn Foote, Emily Isaacs, Helen Paul (all 8212-1).

Becomes Citizen

Enid Erickson, wife of Sanford Erickson (1622-1), became an American citizen last month during a ceremony at U. S. District Court in Albuquerque.

Enid was born and raised in Torquay, England, and has been residing in the United States since 1953. She has lived in Albuquerque since 1957.

Welcome Back

Returned to work after an operation and convalescent period is Rosemary Morrissey (2713).

Get Well Wishes

Division 2111 extends get well wishes to Jim Wade and Jack Embry, both of whom are hospitalized.

New Homes

It was moving day recently for Bobbie Porterfield (2525-3) and her husband, who are getting settled in a new home at 3708 Anderson Ave. SE.

Ken Harrington (2152-3) and his family are now in their new house at Edgewood, N. M., which Ken built himself.

New addresses also for Lambert Koopmans (5125) and Dick Dillon (5122). The Koopmans have moved to 3127 Monterrey SE and the Dillons are at 808 Indiana SE.

Floyd Shaw (2711) and family are enjoying their new home located at 9308 Aztec NE.

The Don Baumanns (7411) celebrated their move into a new home at 9710 Apache NE with an open house for friends last Sunday.

Photos Displayed

Photographs by Sandia photographers Dick Hodges, Bill Laskar and Robert Hall (all 2462-1) are on display in the lobby of the Albuquerque Federal Savings and Loan Ass'n., 423 Copper Ave., NW.

The photographs were first shown at the national conference of the Professional Photographers Ass'n. of America in Chicago. One photograph, taken by Bill Laskar, was retained by the Association to be part of a traveling exhibit.

Anniversaries

Jim Hay (2153-2) and his wife celebrated their 23rd wedding anniversary on Aug. 12.

On Aug. 25 Lucille Baier (5125) and her husband will mark their 24th anniversary.

Next Wednesday Mr. and Mrs. Max Weber (5121) will observe their 19th wedding anniversary.

Celebrating their silver anniversary on Aug. 29 will be Louise Klopolsky (2132) and her husband George.

On Sept. 8, Marjorie (4111) and J. K. McDowell (2131) will mark their 18th wedding anniversary.

Mr. and Mrs. W. N. Leamon (7122) celebrated their 25th wedding anniversary on Aug. 5.

Mr. and Mrs. Clarence G. Sproul celebrated their 25th wedding anniversary on Aug. 7. Clarence (1284 on loan to 1261-2) has worked at Sandia since March 1946 and his wife, Claudine (2464), has been at Sandia since November 1947. The couple has three children and one grandchild.



TICKET COMMITTEE members (L to R) Mrs. T. L. Pace, president of the Sanado Club; Mrs. W. B. Lennan, president of the Manzano Officers' Wives Club, and Mrs. A. B. Metzger look over concessions planned for the Sandia Base carnival Aug. 29-Sept. 1.

Teaches Algebra

The Armed Forces Education Center, Sandia Base, will have a Corporation employee on the teaching roster when classes start Sept. 8.

Elio Cultreri (3211-1) will teach Algebra I to the military personnel of Sandia and Manzano Bases signed up for the course. This will mark the third year that Elio has been instructing evening group study classes at the education center.

He holds BS and Master's degrees from the University of New Mexico.

Micro Champs

Last two feature races in the local micro midget racing circuit have been captured by K. L. "Okie" Cahill (5143), placing him along with six other Sandians in the top ten standings.

The others are R. E. Bohannon (1626), Dean Hitchens (1247), Lowell Sharp (7133), Dick Case (1472), Mel Heisler (1613), and Larry Woolrich (1612).

These drivers are now pointing toward the National Micro Midget Association sanctioned Southwestern Championship Race to be held in Albuquerque Sept. 6. The Sandians expect stiff competition from Texas and Arizona drivers. The next regular race is tomorrow.

New Grandfather

Co-workers in 2722 are razzing Charles Crider about his pride in becoming a grandfather. The baby girl was born Aug. 8.

Congratulations

Born to:

Mr. and Mrs. Paul W. Callies (2551) a daughter on July 5.

Mr. and Mrs. Charles E. Garcia (2473) a daughter, Sylvia Eileen, on July 31.

Mr. and Mrs. Kenneth Frank (2463) a son, Kenneth, Jr., on July 30.

Mr. and Mrs. B. E. Dieruf (5251) a daughter, Catherine, on July 18.

Mr. and Mrs. A. A. Young (5251) a daughter, Rebecca, on Aug. 7.

Mr. and Mrs. Robert Ryan (5242) a daughter, Lianne Marie, on Aug. 4.

Mr. and Mrs. Ben Jaramillo (7241-4) a daughter, Laura Stephanie, on Aug. 2.

Mr. and Mrs. Robert McGovern (2722) a son, Richard Michael, on Aug. 12.

Mr. and Mrs. C. D. Herndon (7132) a son, Paul David, on Aug. 8.

Mr. and Mrs. G. E. Atkinson (7131) a son on July 19.

Mr. and Mrs. E. C. Cordova (2153-2) a daughter, Priscilla Jean, on Aug. 11.

Mr. and Mrs. Freddie Martinez (4152-2) a son, Steven Ray, on July 26.

Mr. and Mrs. Arthur R. Eiffert (8222) a son, Christian Sean, on July 31.

Mr. and Mrs. Donald V. Easter (8124-1) a daughter, Beverly Jane, on July 13.

Mr. and Mrs. Larry E. Bowen (2153-1) a daughter on Aug. 15.

Mr. and Mrs. Jim Beaudet (2543-1) a son on Aug. 12.

Mr. and Mrs. Bernard Stiefeld (2542-1) a daughter, Robyn Erica

on Aug. 1.

Mr. and Mrs. W. L. Shoemaker (1454) a daughter, Debra Ann, on Aug. 5. Peggy formerly worked in 7411.

Mr. and Mrs. R. F. Rust (1264-2) a daughter, Stephanie Lea, on Aug. 14.

Mr. and Mrs. Dick Berner (5150) a daughter, Barbara Lynn, on Aug. 2.

Mr. and Mrs. Donald R. Wilkin-son (1263-1) a son, Robert Harold, on Aug. 14.

Mr. and Mrs. John V. Willems (1262-2) a daughter, Janice Mary, on Aug. 13.

Mr. and Mrs. Walter L. Shoemaker (1454) a daughter, Debra Ann, on Aug. 5.

Sympathy

To E. T. Russell (AEC) for the death of his young son, Tony, on Aug. 4.

To H. P. Kelsey (5512) for the death of his father in Boxford, Mass., on July 28.

To Willella Golden (5512-2) for the death of her grandmother in Albuquerque on July 25.

To Lloyd R. Wilson (2474) for the death of his mother recently.

To Louis B. Flores (2722) for the death of his grandmother Aug. 10 in Albuquerque.

To Margaret Ernheart (4135) for the death of her husband in Albuquerque Aug. 2.

To Estill Wood (2131) for the death of his father in Kentucky Aug. 5.

To George Simpson (2473-2) for the death of his father Aug. 6.

Moving Expense Tax Exemption Bill Killed by Congress Action

A provision allowing certain Sandia Corporation employees relief from having paid income tax on reimbursement for travel and moving expense as new hires was stricken from a tax revision bill in Congress on Aug. 13.

U. S. Senator Clinton P. Anderson had sponsored an amendment to the tax bill which would have declared that the reimbursement paid to certain new hires was not taxable. The amendment passed the Senate but was taken out of the tax bill by a Senate-House Conference Committee which is adjusting differences in the bill between the two houses.

This is another setback in the long battle by Sandia employees

for relief of paying such income tax.

Sandia employees took the fight to court in 1957 after the Internal Revenue Service refused to honor their returns deducting the moving expenses, although the employees had not been advised when accepting employment that the reimbursement for travel and moving expenses would be taxable. In federal court here, Judge Carl A. Hatch upheld the employees, ruling the moving expenses were necessary and therefore deductible.

The Internal Revenue Service appealed the decision and in Denver obtained a reversal of Judge Hatch's decision from the Tenth Circuit Court of Appeals.

The two employees who filed the suit, Sherrill O. Woodall (7412) and Glenn S. Mills (1441), have appealed the circuit court ruling to the Supreme Court. It is felt there is a possibility that the petition will be accepted this fall.

In overruling Judge Hatch, the Circuit Court upheld the IRS claim that moving expenses were compensation paid by the employer to the employee. At the time of Judge Hatch's decision in favor of the two workers, Internal Revenue Service officials expressed fear that if the decision stood, many millions of tax dollars would have to be returned to employees of corporations all over the country who have incurred moving expenses in taking new jobs.



BUILDING CABLES is Pat Tolmie, summer student employee in 1452. She is an electrical engineering major at the University of New Mexico, and will start her senior year this fall.

Articles Published By Sandia Authors

Four articles by Sandia Corporation authors have been published recently in technical journals.

"Temperature Rise vs. Current of Etched Wiring Lines," by R. P. Noble (1462) appeared in the July issue of Electrical Manufacturer.

A technical memorandum by C. W. Remaley (1613), entitled, "Component Acoustic Testing—Plane Wave Tube and Reverberant Chamber Methods," was placed on standard distribution and made available to the public through the Office of Technical Services of the Department of Commerce in Washington.

W. H. Kingsley (3161) had an article published in the June issue of the American Industrial Hygiene Association Journal. The title of Mr. Kingsley's article was "Health Hazards and Control of the Epoxy Resin Operation."

Harold A. MacKay (1625-2) was the co-author of an article entitled "Cure Shrinkage of Epoxy Systems," which appeared in the July issue of the Society of Plastics Engineers Journal.

John T. Doyen's Model Car Draws Judges' Attention

(Livermore Special)

A sleek, scale model sports car, designed by John T. Doyen, son of Juan Doyen (8114-1), reached the finals recently in the Fisher Body Craftsmen's Guild annual competition.

The maroon, carved balsa model is the first the 17-year-old youth ever made, although one of his hobbies is model airplane making. John is a straight "A" student at Livermore high school.

The original body styling on his model gained judges' recognition among the several thousands of entries by teen-age craftsmen across the nation.

Noted Lecturer Luncheon Guest At Sanado Club

A noted playwright, director, lecturer and world traveler will be featured speaker at a sherry luncheon planned by the Sanado Club for Sept. 2 at the Coronado Club.

Mrs. A. R. Tidwell, the speaker, will discuss a recent tour of Russia which she made with a group from Temple University in Pennsylvania. Mrs. J. M. de Montmolin will introduce Mrs. Tidwell.

Sherry will be served beginning at 1:30 p.m. with luncheon following.

Mrs. William Sharp is in charge of arrangements and Mrs. Thomas Pace will be presiding officer.

Decorations for the luncheon include colorful dancing dolls dressed in ballerina costumes. These dolls, standing a foot high, will be donated to a children's hospital after the luncheon.

On Sept. 10 the Sewing Group of the Sanado Club will present a fashion show entitled "Fashion Frolics," beginning at 9:45 a.m. at the Coronado Club. Mrs. Millie Brubeck, local fashion coordinator, will commentate.

Mrs. L. D. Swanson, president of the sewing group, is chairman for the event with Mrs. R. P. Mathews assisting. Reservations are necessary and may be made by contacting either of the two women.

Reservations for the sherry luncheon must be completed by Aug. 29 by sending a post card to Mrs. Richard Othmer, 2109 Hendola Dr. NE.

Car Pools Needed

Car pool transportation is urgently needed between the newly developed housing areas and Sandia Base.

Employees who have room for a rider or who would like to share driving responsibilities anywhere in the city or outskirts are asked to call ext. 26149. Employees may also go to Bldg. 829 for assistance in organizing car pools.

Three Sandia Employees Return to Corporation After Military Leaves

Returning after military leaves of absence are three Sandia Corporation employees.

Vernon Peckham, who joined Sandia in 1953, returned to the same organization, Radar Ad-



Vernon Peckham



R. L. Williams Roy Lambert

vanced Development Division, 1456. He was stationed at Lake Mead, Las Vegas, Nevada, for three and one half years following his attendance at Naval Officers Candidate School for four months. Vernon was a training officer at Lake Mead.

Also returning after a two year absence is Roy Lambert, who was in the Signal Corps. He was stationed at Sandia Base Field Command after three months training at Fort Monmouth, New Jersey. While on active duty he was an electronics instructor in special weapons. Roy returned to the same organization, Systems Planning Division, 5521.

Ronald L. Williams left Drafting Division 7411 for three months' service in the Army at Fort Chaffee, Arkansas. Following basic training, he spent a short time in Artillery. He is working in the same organization in which he started at Sandia about a year and one half ago.

Senior in Engineering - Pat Tolmie - Doing Sandia Test Work This Summer

Pert Pat Tolmie, summer student employee in 1452, is busily engaged this summer directing a Sandia test program on determining resistor characteristics. An Electrical Engineering major at the University of New Mexico, Pat attributes her engineering interest to her engineering family.

John R. Tolmie (7132), her father, is a Sandia field engineer and has his degree in mathematics. Her mother, Helen, is a staff assistant in the Applied Research Division, 5132. Her brother is taking electrical engineering at New Mexico A & M College, Las Cruces.

Pat, who will be a senior this fall, is originally from South Da-

kota, but has lived in New Mexico the past seven years. In addition to attending UNM she spent one summer session at New Mexico A & M. Her electrical engineering concentration is in electronics and her excellent overall grade point average, 2.5 out of a possible 3, reflects her interest and understanding of this field.

Active in campus activities, the "lady engineer" has done "reading in honors" on a method of automatic translation of one language into another by computer methods and upon her return to school will do "research in honors" in transistor theory.

Consistent with her electronics interest she spends time assembling Heath Kit amplifiers and FM tuners. She also likes tennis, swimming, bowling and ping pong.

Upon graduation, Pat plans to enter the electronics field in the Southwest.

Mountain Clubbers Spending Two Weeks In Sierra Mountains

A group of Sandia mountain climbers is taking a two-week outing in the High Sierras near Bishop, California, under the auspices of the New Mexico Mountain Club.

Leading the group on its trip which began Aug. 16 is Hank Tendall (1215). With him are Dick Martindell (1522), Bill Stamm (2442), Phil Leiserson (3152, transferring to 8212 at Livermore), Dorris Hankins (5112), Zelma Beisinger (5126), Arman Behr (AEC-ALO) and Reed Cundiff, son of C. R. Cundiff (7132).

The group will use pack animals to carry supplies for the two-week trip. Members of the camping party have their choice of remaining at the base camp or participating in a number of side trips in the area, Hank announced.

Members of the Mountain Club who stayed behind are invited to take part in a hike up Mount Taylor west of Albuquerque on Sunday, Aug. 24.

Expert on Explosives to Address ASME Group At LASL August 26

The New Mexico Section, American Society of Mechanical Engineers will have as its speaker Aug. 26 T. Gaynor Blake, who will speak on the topic "Some Mechanical Aspects of Explosives."

The meeting will be held in the auditorium of the Los Alamos Administration Building beginning at 8:10 p.m. Los Alamos time (7:10 p.m. Albuquerque time).

Mr. Blake, who is assistant director of chemical research for the Armament Division of the Universal Match Corporation, will discuss new uses for explosives, ranging from high speed electrical switches to techniques for forming metal. Martin Corney (2532-3) is publicity chairman of the New Mexico Section of ASME.

Danny Poli* Provides

Candid Commentary on Supplemental Life Insurance

(*Son of Mr. and Mrs. David Poli, Dave works for Sandia Corporation in 2552)



40 cents per \$1,000 coverage?



It looks like a good deal



It even sounds good



Sign me up!



You oughta sign too!

AEC Commissioner Discusses U. S. Civil Defense Needs

Dr. Willard F. Libby, a member of the U. S. Atomic Energy Commission, while in Albuquerque last week made several comments to the Sandia Lab News on possible developments in the atomic energy field.

Commissioner Libby commented that a combined transistorized battery radio and radiation meter would be a great help to a family in case of atomic attack. He pointed out that the best source of information at such a time would be conelrad radio stations. He stated that the AEC is working with manufacturers of such radios in the hope they will attach small radiation meters to the sets they make. This would add only a few dollars to the cost of the set, he said.

A firm advocate of civil defense measures, Commissioner Libby believes in the construction of shel-

ters which would provide protection against fallout in case of enemy attack. A simple underground structure with a yard of earth on top would be effective, he said.

The AEC, according to the Commissioner, is working on developing equipment for testing the effectiveness of home shelters. The equipment would be mounted on a truck and taken to the shelters for the tests.

Commissioner Libby also had a tip for businessmen with eyes to the future. He believes a good investment, for a person with initiative and know-how, would be to organize a firm to collect and store radioactive wastes in anticipation of the day when such materials will be in great demand. Now, he pointed out, the wastes are thrown away by burying them in the earth or sinking them in the ocean.

Supervisory Appointments

BRUCE M. LANGFORD to supervisor of Fabrication Section 2131-2, Electronics Division.

Bruce first came to work at Sandia in July 1948. He has worked here in electronics fabrication and piezoelectric device development.

During a short period in 1955 Bruce worked as an instrument technician on a materials testing reactor at Phillips Petroleum in Idaho Falls, Ida.

His previous experience includes two years with Lockheed Aircraft in Burbank, Calif., in sheet metal and assembly work and a brief period as a transmitter engineer for station KABQ in Albuquerque.

He served three years in the Navy as a radioman and afterwards attended National Schools, a trade school in Los Angeles.



R. C. GAUERKE to supervisor of Manufacturing Design Division B, 2552, Manufacturing Engineering Department.

"Bud" has been at Sandia since October 1952 and has been a section supervisor for more than four years. At first he was in handling equipment organizations but for the past two years has headed Packaging Section II, 2552-3.

Prior to employment here Bud worked a year in the test laboratories at Gates Rubber Company in Denver.

He was also previously two years with U. S. Gypsum in Fort Dodge, Ia., and Gerlach, Nev., as a board plant engineer.

He received a BS degree in Mechanical Engineering from Missouri School of Mines and served three years in the Army combat engineers during World War II.



CLIFFORD S. SELVAGE to supervisor of Section 1264-2, Warhead Electrical Systems Division.

"Cliff" worked for Sandia Corporation 10 months in 1953 and returned in April 1955. He has been in systems development organizations the entire time.

Prior to coming to Sandia Cliff worked for Westinghouse Electric Corporation in Los Angeles as a consulting engineer in the aircraft industry for five years. During the year and a half between his two employment periods at Sandia Cliff again worked for Westinghouse in Fort Worth where he was a consultant on the B-58.

He received a BS degree in Electrical Engineering from the University of Southern California and has done some graduate work at the University of New Mexico.

During World War II Cliff served four years on a Navy destroyer in both the Aleutians and South Pacific.

He is a member of the American Institute of Electrical Engineers and is a registered professional engineer in both Texas and New Mexico.



Five Year Awards

Aug. 22-28
Elizabeth L. Trump 7225, Roger M. Campbell 5242, Joellyn S. Vandock 7241.

Aug. 29-Sept. 4
Wibur L. Miller 7324, W. F. Duben 2131, Jacob Barreras 2711, William D. Price 2482, J. W. McRae 1, Beatrice L. Kenagy 7225, John E. Hinde 5255, E. Ronald Burke 7123, and William A. Sanchez 2711.

Two Year Certificates

Aug. 22-28
Lee E. Heames 5132, Robert E. White 5523, C. W. Metzler, Jr. 1625, Leonard G. Evans 7326, Orville T. Schurr 2413, Charles P. Stanton 1452, Charles W. Remaley 1613.
Julio Pardo 2543, Ray R. Wilcox, Jr. 5522, John J. Kuruzovich 5213, Bennie D. Walker 7322, W. S. Kolodinski 7325, John A. Garcia 2153.

Aug. 29-Sept. 4
Carl D. Holmes 2722, Martin E. Umland 2711, Elmer A. Kieckhafer 1614, Wilma J. Sandersley 4135, Joan A. Cornell 3154, Jocelyn L. Fuller 7411.
Elizabeth V. McCoy 8221, Lawrence F. Dyer 7231, Wynne A. Grace 1451, Patricia J. Lee 7225, Charlene Boatright 2464, Joseph E. Magruder 7231, Richard L. Cook 7232.

Aug. 29-Sept. 4
Fay A. Tome 7315, Ralph L. Dalby 2133, John R. Ingram 2131, Sharon L. Fortner 3152, Frank S. Himebrook 1463, William J. Lutgen 7411, Melvin D. Perkins 1471, Miles B. Leeman 5215, Adolph W. Litka 2151, Willa L. Urbanoski 2111, Joe F. Salazar, Jr. 2112, C. D. Woodyard 2461, Eaton H. Draper 1200, M. A. Polnaszek 4153, Gerald R. Riley 5214.
J. Bryant Hamler 2225, Robert L. Burbridge 7412, Thomas V. Harroun 1411, Marion G. Young 5523, David W. Weber 1473, Gunner L. Scholer 8111, William S. Sturgis 7212, W. H. Richardson 7221, Jack O. Travis 2711, and P. Trujillo 2474.

In Recognition of Sandia Service

15 Year Service Awards



William E. Caldes
5511
Apr. 1, 1943



John S. Keller
5252
Aug. 9, 1943



Joe Hones
1218
Sept. 27, 1943

10 Year Service Pins



Louis H. White
2473
Aug. 12, 1948



John T. Dempsey
6021
Aug. 23, 1948



Jeanne A. Jolly
4135
Aug. 23, 1948



Richard H. Ma:mon
2721
Aug. 23, 1948



Marion D. Tucker
4131
Aug. 23, 1948



Harry E. Basey
4161
Aug. 24, 1948



Largus E. Moore
1544
Aug. 24, 1948



Clarence U. Puthoff
2232
Aug. 24, 1948



Santiago Garcia
2415
Aug. 25, 1948



Curtis W. Senn
7241
Aug. 26, 1948



William O. Smith
2163
Aug. 26, 1948



William T. Burke
2232
Aug. 27, 1948



Alfred J. Heimer
2235
Aug. 27, 1948



H. Curtis Biggs
1650
Aug. 30, 1948



Frank D. Chavez
2721
Aug. 30, 1948



K. G. Foster, Jr.
2236
Aug. 30, 1948



Louis J. Frenkel, Jr.
5523
Aug. 30, 1948



Eliseo B. Gutierrez
2235
Aug. 30, 1948



Walter Hall
2150
Aug. 30, 1948



Charles O'Connor
2162
Aug. 30, 1948



Harold V. Riley
2711
Aug. 30, 1948



Raul Sanchez
2235
Aug. 30, 1948



George J. Torres
2124
Aug. 30, 1948



George W. Burnside
5112
Aug. 31, 1948



Herman R. Perea
4135
Aug. 31, 1948



Bess Streater
6000
Aug. 31, 1948



Oliver L. Vaughn
2722
Aug. 31, 1948



Angelo Di Bella
7123
Sept. 1, 1948



Paul C. House
2463
Sept. 1, 1948



Mary J. Lucas
2231
Sept. 1, 1948

PROMOTIONS

Betty J. Ingram (2231) to Wireman
Pearlie M. Kelley (2721) to Inspector
Jimmie P. Robertson (7225) to Typist Clerk
Verona M. Lauxman (4135) to Key Punch Opr.
Lois H. Payne (4135) to Tab. Eqp. Opr.
O. Jean Leonard (7411) to Draftsman
Robert C. Anderson (7411) to Draftsman
John J. Blomberg (7411) to Draftsman
Elsie R. Bemis (7411) to Draftsman
Nancy J. Nelson (7412) to Draftsman
Joseph F. Smith (8114) to Draftsman
William M. Coelho (8114) to Draftsman
Evelyn A. Foote (8212) to Employment Clerk
Earl E. Tomlinson (7212) to Technical Asst.
Fae M. Parker (5242) to Staff Asst.
Lloyd E. Lincoln (2111) to Staff Asst.
William L. Gault (7324) to Staff Asst.
William C. Purchase (4362) to Staff Asst.
Wayne L. Cyrus (7411) to Staff Asst.
R. H. Richardson (7411) to Staff Asst.
T. Vincent White (7411) to Staff Asst.
Robert H. Ryan (5242) to Staff Member
Richard E. Burnam (7214) to Staff Member
James S. Reese (2554) to Staff Associate
Roy R. Carlson (2554) to Staff Associate
Jack H. LaFleur (2713) to Staff Associate
Ciraco Herrera (2474) to Janitor
Prospero E. Armijo (2474) to Janitor
Juan J. Gallegos (2474) to Janitor
Rogelio G. Gonzales (2474) to Janitor
Odelio J. Otero (2711) to Inspector
Dennis R. Benedict (2163) to Receiving Clerk
Mary E. Flanagan (2711) to Inspector
Jacob Barreras (2711) to Inspector
Manuel G. Martinez (2121) to Molder
Adenago B. Peres (2413) to Jr. Tradesman
James F. Wolfe (2413) to Jr. Tradesman
Vernon D. Smith (2462) to Pressman
Raymond Garcia (2462) to Pressman
Marion M. Holmes (2722) to Inspector
Wayne Cottingham (2722) to Inspector
Graham H. Luhn (2722) to Inspector
Ronald H. Estev, Jr. (2722) to Inspector
Randal K. Williams (2131) to Technician
Samuel Blaylock (2473) to Heavy Eqp. Opr.
Jack O. Travis (2711) to Layout Opr.
Roscoe G. Brooks (2132) to Technician
Dianne J. Taylor (7225) to Typist Clerk
Martha A. Couch (2525) to Typist Clerk
Euliojo G. Sanchez (2461) to Mail Clerk
Paul F. Martinez (2461) to Tab. Eqp. Opr.
Betty Jane Bushman (4135) to Invoice Clerk
V. M. Cornelison (4333) to Paymaster
Doris A. Weaver (7225) to Secretarial Steno.
I. Mae Miller (4135) to Senior Clerk
Earlene W. Brinegar (7221) to Service Clerk
Betty J. Abernethy (7225) to Typist
Doris M. Brothers (7225) to Typist
B. S. Jaramillo (7241) to Order Analyst
John C. Abery (2711) to Schedule Analyst
Robert P. Fjelsted (4135) to Tab. Analyst
Sidney P. Timmings (8222) to Jr. Tradesman
B. T. Adkins (3153) to Record Clerk
Imogene R. Kelly (8212) to Employment Clerk
Betty L. Vineyard (8212) to Personnel Clerk
Helen L. Paul (8212) to Report Clerk
Gerald L. Williams (2462) to Ozalid Opr.
D. P. Kerstetter (7226) to Typist
Beatrice Schowers (2466) to Document Clerk
Alice D. Warder (7221) to Library Asst.
F. K. MacPherson (7221) to Library Asst.
Geomy Pohl (7233) to Material Handler
D. June Leonard (3125) to Asst. Editor
George C. Garcia (1613) to Lab. Asst.
L. J. Fitzmorris (7222) to Inspector
Henry G. Cole (2711) to Inspector
William Schmidding (2111) to Staff Asst.
Benito Padilla (2418) to Laborer
Shirley S. Blake (2544) to Secretarial Steno.
Lawrence G. Verzi (7231) to Property Clerk
Joaquin E. Chavez (7242) to Property Clerk
Natalie Cole (2463) to Typist Clerk
John J. Dobias (1461) to Staff Asst.
Robert J. Dineen (1471) to Staff Asst.
Clifford C. Savage (2551) to Staff Asst.
Wencl F. Duben (2551) to Staff Asst.
Charles C. Pappas (5213) to Staff Asst.
Leaburn D. Bice (2551) to Technician
T. L. Barry, Jr., (2551) to Technician
Carol R. Goats (2465) to Secretarial Typist
Sue B. Probst (7225) to Receptionist
Cecilia R. Gonzales (7226) to Typist
Edith I. Kendrick (4131) to Payroll Clerk
Jacob Castillo (7231) to Property Clerk
Robert C. Ruttler (7241) to Schedule Clerk
C. Trujillo, Jr. (7242) to Order Detailer
Perfecto Garcia (3242) to Security Inspector
William T. Huntsman (3242) to Security Inspector
Kenneth A. Johnson (7233) to Material Handler
Joseph F. McIntyre (7233) to Stockkeeper
Robert T. Tuffnell (1614) to Stockkeeper
Robert W. Galbraith (1613) to Lab. Asst.
Roy N. Montell (1613) to Lab. Asst.
Joseph E. Magruder (7423) to Catalog Computer
Rodman D. Golding (1622) to Lab. Asst.

W. A. Little Names Committee Chairmen For Chest Campaign

(Livermore Special)

William A. Little (8122), chairman of the Community Chest campaign of the Livermore Branch, this week announced his committee appointments for the drive slated to kickoff Sept. 3.

Treasurer is R. A. Cronic (8213-1); auditors are K. C. Purchase (8213-2) and J. P. Hubner (8213-2); and handling publicity is W. A. Jenkins (8221-1).

Squad leaders for the drive are: C. J. Bachmann (8112-2) for organization 8110; R. H. Richards (8124-1) for 8120; B. F. Fisher, Jr. (8131-2) for 8130; G. L. Rhodes (8212-4) for 8210; and J. P. Brock (8224) for 8220.

The squad leaders will name solicitors to make collections throughout the Branch on Sept. 3 and 4, Little said.

Technical Space Film Showing Slated Here

A filmed series of post-graduate lectures on "Space Technology" will be presented at Sandia Corporation beginning early September.

Prepared by The University of California in cooperation with Space Technology Laboratories of the Ramo-Woolridge Corporation, the film will be presented in 17 individual programs.

Scheduling of those to attend this highly technical series will be arranged by Staff Training and Education Division (3123) through superintendents.

Salmon Safari

Five men and a boy from Livermore Branch went salmon fishing in the Pacific a week-end or so ago. Between them the men had roughly 100 years of fishing experience. The boy was 11 years old.

Guess who caught the 18 pound salmon and the 10 pound one?

Just for the record, the boy was Bobby Bryson, son of Jim Bryson (8225-1). The experienced sportsman who went along for the ride were Bobby's dad, Les Rowe (8220), Bill Ryan (8211), George Mincks (8222-2) and "Red" Sparger (8224-4).

Tech Activities Staff Change

New Mexico Tech Activities publication has a new circulation manager, Angelo Di Bella (7123). He will succeed Carlton Scott (1285), according to an announcement by Lee McKittrick (1611), president of the New Mexico Tech Societies.

Toastmaster Officer

New officer is Roger Johnson (2152-5), recently elected assistant area governor of area 1, district 24, of the Toastmasters International. Joe Halpin from Kirtland AFB was elected area governor.

Sandia Visitor

Dave Robertson, former supervisor of Section 2542-2, now field representative section head in Los Angeles, was a welcome visitor in Albuquerque recently.

This is another in a series of articles about Sandia Corporation employees and their contributions to the community.

Hugh A. Carlisle Post 13 is the ninth largest American Legion Post in the country and C. E. "Chuck" Foster, a Sandia Corporation division supervisor (2541), finds the time to serve as its Commander.

Mr. Foster admits "administering the affairs of 3,486 members takes all of my spare time" but the community service the Legion performs makes up for the effort.

"The Post," he said, "works closely with the VA hospital to help in giving proper care of patients. No small part of this program is the volunteer services which involve both Post and Auxiliary members. Better publicized, perhaps, are the youth activities, such as Boy's and Girl's State, the oratorical contest, Junior Legion Baseball, the sponsorships of Boy Scouts and Cub Scouts, the Big Brother movement, etc."

Not so well known are the heart-rending services to the distressed and indigent, the disabled, the widowed, and the orphaned.

Mr. Foster has been a member of the American Legion for 12 years.

Post 13 has initiated a membership drive for new members. Commander Foster said, "Our organization needs the support of all veterans, including the armchair Legionnaire who hasn't the time to work actively." The posts are all non-profit with funds dispensed in veterans' or community benefits.

Traffic Questions Should Be Referred to Div. 3122

Questions concerning Sandia Base traffic citations and warnings issued Sandia Corporation employees should be referred to T. E. Reyman (3122). Employees are requested to refrain from contacting the office of the Provost Marshal concerning these matters.



C. E. Foster
—Legion Post CO—

Terry Riggan Heads Ticket Sales Staff Of '58 Shrine Circus

The circus comes to town today. No Sandian will brave the lion's cage, but E. C. "Terry" Riggan (7123) will be in charge of all ticket sales at the coliseum box office.

The Ballut Abyad Shrine Temple's 8th Annual Shrine Circus will be held at the state fair ground's coliseum today, Saturday and Sunday. The 46 circus acts will be presented at 2:30 p. m. and 8:15 p. m. daily with an extra children's matinee scheduled for Sunday.

Terry reports that the coliseum is air conditioned and has ample seating capacity to take care of a large crowd, with each person assured of a good seat.

A. W. Miller Retires For the Second Time; Starts Third Career

When Arthur W. "Art" Miller (2543) retired from Sandia Corporation Aug. 15 it wasn't the first and won't be the last time he retires.

Art, who has been in manufacturing engineering since he joined Sandia in July 1951, worked 28 years for the Bucyrus - Erie Company in South Milwaukee, Wisconsin, where he was in charge of manufacturing at the time of his first retirement in 1951.

Like many folks Art chose Albuquerque in which to spend his retired years but he wasn't here for more than a few months when he went to work for Sandia "to keep busy."

Last week Art started his third career, this time as vice president and general manager of Ultradyne Corporation in Albuquerque. As a profitable sideline, he and his son operate the Miller Automotive Machine Co. in Albuquerque.

Art, his wife and their two children plan to continue to reside at their home in Tijeras Canyon, Box 5446, Rural Route 5.



A. W. Miller

Traffic Note

City traffic authorities are cautioning Sandia motorists about turning right off East Central onto Eubank. Right turns are permitted only from the right lane, officers point out.

Turns right from an inside lane are always dangerous, especially so now that tourist season is in full swing.

Coronado Pool Swimmers Sweep Top Honors in Albuquerque Competition

Splashing their way to victory the past month have been members of the Coronado Club swimming team.

Although the team did well in 1957—its first year in existence—the group lacked the all-around strength of the present team.

Juniors 16 years or under won the Los Alamos Invitational Junior Swim meet last month with almost twice the points of the closest challenger. This month the Coronado team won the Albuquerque City AAU Championship, also by a wide margin.

Coach for the team is Bob Martin, head lifeguard at the club.

Individual swimmers on the team have also participated in the Denver AAU meet, Oklahoma City invitational, and are on the Albuquerque All-Star Swimming Team.

Team members are:

Midgets: Elizabeth Browning, Kathy O'Keefe, Carla Peterson, Donna Fossum, Tom Solenberger, Bruce Maak, Steve Taylor, Bruce McLay.

Juniors: Pat Marshall, Anne Viney, Janice Covey, Elissa Cundiff, Bill Henderson, Sporty Holwell, Sandy Taylor.

Intermediates: Sandy Williams, Jo Bachand, Sheila Dunn, Nancy Arvidson, Cheryl Fossum, Bob Henderson, Paul Covey, Bob Solenberger, Richard Bachand, Jeff Sproul, Chuck Maak.

Seniors: Peggy Marshall, Sue Chase, Sue Hayes, Mary Neun, Angela Dunn, Terry Chase, Tom McCracken, Wally Daguon, Kenny O'Keefe.

Open: Janice Parker, Hubie Williams, Charlie Abernathy, John Solenberger, Bill Cavanaugh, Dick Weick, Jim E. Taylor, Jim S. Taylor.

Welcome

New Employees

Aug. 1-15		
Albuquerque	William E. Andrews	7242
	Nancy L. Armour	7412
	Phyllis B. Arnold	7326
	Laurentia B. Blomberg	4142
	Donald D. Butts	2133
	Thomas D. Clarke	2133
	Mabel R. Coburn	3122
	Dixie J. Culp	4135
	Sally A. Gallardo	2482
	Ronald J. Harron	1263
	Dorothy B. Hester	3163
	Marie O. Hubbs	7225
	Margaret K. Lawrence	7313
	Mary J. Leonard	7412
	Lenora C. Martinez	7225
	David K. McCarthy	2464
	Anita L. McKnight	4135
	Robert C. Murray	2522
	Leo R. Parsons	2461
	Mae L. Pickett	2525
	Edward T. Raymond, Jr.	2464
	Richard W. Schrum	2482
	Daniel R. Stringfellow	3242
	William J. Villanueva	2464
Arizona	R. Grant Howard, Tucson	2543
California	Edwin W. Belden, Irvington	8222-2
	Harold L. Brumfield, Hayward	8132-1
	Richard L. Durham, Hayward	8221-2
	Albert B. Harrison, Oakland	8222-2
	George F. Lusareta, Livermore	8222-2
	Conrad H. Rogers, Livermore	8222-2
	Norman F. Toly, Oakland	8114-3
	Joseph M. Zanetti, Jr., Pleasant Hill	7223
Illinois	John W. Jenkins, Chicago	1522
	George T. Merren, Chicago	1592
Indiana	Paul V. Delker, South Bend	3124
	Gerry K. Smith, Monox	1455
Iowa	David G. Henshaw, Waterloo	2466
Kansas	Donald F. Oard, Wichita	7411
	Leonard L. Strawderman, Wichita	7411
	Russell E. Comstock, Derby	2124
Minnesota	Richard R. Prairie, Pine City	1592
Missouri	Theodore C. Bryant, Jr., Platte City	1413
	Glenn L. Knauss, Kansas City	1413
	Alfred A. Riedel, Kansas City	1411
Nebraska	James H. Andrews, Ogallala	2543
Ohio	Lewis K. Jones, Columbus	1621
	Erwin H. Mebs, Dayton	1621
	Hugh O. Pierson, Canton	1625
Oklahoma	Gustavus J. Simmons, Norman	5243
Texas	Hermund A. Lacey, Fort Worth	1626
	* d=notes rehired	
Returned from Leave	Eleanor L. Chapman	4333

SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER • SHOPPING CENTER

CLASSIFIED ADVERTISING

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

RULES

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

FOR SALE

35mm CAMERA, Konica III MXL, case, filters, etc., cost \$148, sell for \$87.50. Sisker, 3382 52nd St., ext. 25173.

PICK-UP, 1/2 ton Studebaker, R&H, over-drive. Randle, AL 6-1747.

ACCORDIAN, 120 bass Rivoli, sell or trade for new model automatic washing machine. Lambert, AL 5-9630 after 5 p.m.

GAS RANGE, one year old, \$40. Dascher, 11721 Mountain Road NE, AX 9-1802.

OVERSTUFFED CHAIR, green, make offer. Thimm, 8919 Phoenix NE, AX 9-1844.

47 PLYMOUTH, 2-dr., excellent tires, \$125. Scott, 9808 Aspen Ct. NE, AX 9-3412.

WASHING MACHINE, Blackstone wringer type with pump, \$60. Kokkes, 1117 Columbia Dr. NE, AL 6-2915.

TOY MANCHESTERS, AKC registered. Kelley, AL 6-4982.

'57 FORD V-8 Del Rio, station wagon, Thunderbird engine, all accessories except air conditioning, 15,000 miles, \$2,195. Binder, AX 9-2937.

'55 VOLKSWAGEN, \$1,295. Houston, ext. 35187.

ENGLISH SPRINGER SPANIEL puppies, sire and dam are AKC champions, excellent family and hunting companions, permanent immunization shots. Barth, ext. 46240 or long distance Cedar Crest 11.

AIR COMPRESSOR and 3/4 hp motor, \$40; 3/8, 1/4 and 1/2 hp motors; piston type irrigation water pump. Joyce, AL 6-1605.

TWIN BEDS, solid maple w/pineapple, springs and mattresses, \$100 or best offer. Brown, ext. 46132.

24" GIRLS BIKE, Higgins, best offer. Chaffee, AL 5-5721.

SANDER, 6" belt with 8" disk, \$40; jig saw craftsman, \$20; both include motors. Sandin, DI 4-5359 after 6 p.m.

3 BR HOUSE, or 2 Br. and den, separate dining room, nice landscape, beautiful view. Terms to qualified buyer. Windsor, 129 61st St. SW, CH 2-9853.

SHOTGUN, 12 ga. Springfield automatic, with carrying case, cleaning equipment and shells, \$85. Bowling ball and bag, \$8.50. Galbreath, 3730 Manchester NW, DI 4-4306.

'56 MERCURY Montclair, 4-dr. sedan, R&H, MOM, WSW, PS, PB, TG, 27,000 miles, \$1,700. Fornero, AL 5-8779.

3 BR HOME, walk-in closets, den, wood floors, 2 car garage (separate), under \$8,000 to qualified buyer. Meissen, 232 Utah St. NE.

VERTICAL BLINDS, pink and brown or two-tone green. Two sets \$15 each, includes two 4' x 4' and one 5' x 4'. Montoya, 1000 San Pedro SE, AL 6-5434.

RELAXASIZOR, deluxe, attachments. Gay, AX 9-5625.

PARADE DRUM with instructions, \$25. Flanagan, AX 9-4268.

RUGS, 12' x 12' and 12' x 5', grey and tan, runners and padding. Hicks, AL 6-5109.

STUDIO COUCH, Simmons, green, \$30; two 26" girls bicycles, \$15 and \$25, one English; artificial fireplace with electric log, \$10. Cooper 8703 Fairbanks NE, AX 9-6936.

FLOOR LAMPS, wrought iron w/green shades, extra white shades, \$15 pair; vanity lamps, glass w/chartreuse shades, \$7 pair. Weber, AX 9-1389.

EVAPORATIVE COOLER, 4300 cfm w/pump, float, two-speed, \$70; 2000 cfm cooler, two-speed, pump, float, \$25; Serval gas refrigerator, \$20. Clayton AX 9-0276.

'55 DESOTO Sportsman, tudor sedan, Fire-dome V-8, powerlite, R&H, new wsw tires. Best offer, consider older car trade. Boling, AX 9-1346.

'58 MOTOR SCOOTER, Cushman Eagle, \$350. McDowell, 2025 La Veta Dr. NE, AL 6-2696.

HIGH CHAIR-rocker-table combination, \$20; child's car, \$8; travel crib frame, straps to mattress or fits onto floor, \$8; nursery chair, \$2. Chandler, ext. 41186.

SLIDE RULE with leather case and attachment for belt, \$15. Massey, AM 8-1660.

21" TV, \$75; Hoover vacuum with attachments, \$65; cabinet sewing machine, \$65; child's rocker, \$3; highchair, \$10; many others. Biegel, DI 4-3724.

BABY BED, deluxe Kroll w/mattress, \$20; buggy, \$5. Williams, AL 5-3160.

BEAR BOW, 62" Grizzly 50 lbs. with Kodiak handle, good hunting bow, \$20. Barth, ext. 45287.

WASHING MACHINE, Kenmore automatic, \$95. Funk, AL 6-0992.

BICYCLE, 24" boys, \$15. Schneider, AX 9-6243.

AIR CONDITIONER, 2500 cfm; Air Force uniforms, officer's summer and winter, 38 blouse, 30 trousers. Randall, AL 6-1853.

UMBRELLA TENT, 9' x 11', \$35. Roussel, DI 4-1080.

NORGE REFRIGERATOR, 8 ft. '55 model, 35 lb. freezer, \$85 or trade for camping equipment of equal value; outdoor play pen, \$10. Sweatman, ext. 31187.

WOOL RUGS, blue 9' x 12' and 9' x 15' maroon 9' x 12', also 40" gas range. Keen, AX 9-6541.

GARAGE DOORS, 7' x 7'10", tongue and grooved with Stanley floating "Swing up" "Econ-o-matic" hardware, two at \$25 each. Otero, DI 4-4264.

'55 BUICK Super, new tires, one owner. Buchanan, 1812 Field Dr. NE. AX 9-7306.

'55 THUNDERBIRD, hard and soft tops, Fordomatic, PB, electric windows and seats, \$2,250. Alberts, ext. 37298 after 5 p.m.

'58 CHEVROLET Impala, white, H.T. Cont. kit, Turbo Glide 250 hp, PS, PB, Aire Suspension, \$2,875. Trodden, 210 Terrace SE, CH 2-1973 weekends.

'52 Ford, 4 dr., V-8, \$325. Good second car. Charlton, AL 6-1865.

NEXT DEADLINE

FOR SHOPPING CENTER ADS
Thursday Noon, Aug. 28

FAT HENS, \$1.00 each. Thomas, CH 3-9827.

POWER LAWNMOWER, rotary, \$22.50. Hayes, 3002 W. Sandia Dr., Sandia Base, ext. 25170.

PORTABLE BAR, bamboo/wrought iron, rose formica top, brass rail, two swivel bar stools w/back rests. Leyba, 2705 Aliso Dr. NE, AL 5-2068.

'56 CHEVROLET station wagon, 9 passenger, R&H, OD, new tires, two tone white and blue. Laskowski, AL 6-2053.

PICKUP COVER for Chevrolet 1/2 ton truck, ideal for camping, \$50. Berger, AL 5-0265.

DINING ROOM SET, large 9 piece, walnut, complete with china cabinet and buffet, \$120. Skender, AX 9-0635 between 5 and 6 p.m.

LIVING ROOM set, wringer washing machine, lawn mower, vacuum cleaner, living room tables, baby buggy. Wistor, AL 5-1943.

UPRIGHT PIANO, \$150 or best offer; Hollywood bed with box springs and mattress, blond headboard, \$35. Gibbons, AX 9-2863.

WILCOX-GAY RECORDIO, combination radio-phonograph recorder, mahogany console. Warren, AL 6-2663 after 5 p.m.

FLUTE, Pan American, \$100. Mitchell, 1416 Elizabeth NE, AX 9-0188.

'56 VOLKSWAGEN, sun roof, radio, \$1,495. Reed, AX 9-7425.

DREAM HOUSE for couple, 2 BR, den, woodburning fireplace, w/w carpeting, walled, barbeque, swimming pool, landscaped. Hail, CH 2-3225.

BOY'S BICYCLE, 20", \$20; trainer wheels, \$2.50; tricycle, 16", \$5; evaporative cooler, small fan type, \$10; reel-type lawn mower, \$4. Hartman, AL 5-9511.

BABY BUGGY, collapsible, removable basin serves as car bed, \$10. Phillips, DI 4-4163.

SWEEP AND MARKER alignment generator, Hickok model 610A; Hickok model 650C crosshatch generator; Hickok model 600A tube checker. Galbraith, AX 9-6554.

DEVELOPING EQUIPMENT, enlarger, etc., \$25. Cameras: portrait, double-extension bellows, \$10; Ihagene 2.8 Zeiss lens, \$20; Praktika, single lens reflex, \$50. Schowers, AL 5-9279.

MOTORCYCLE, '48 Indian with rebuilt engine. Consider trade or any reasonable offer. Also Hi-Standard target pistol. Reynolds, AX 9-0709 after 5 p.m.

TWO PIANO ACCORDIANS, 120 bass to Duca. 7 treble, 3 bass stops, black. Sloane, AX 9-3546.

GOLF CLUBS, 6 Walter Hagen irons, 2 Wilson Stratocarb woods, bag, balls, \$35. McEwin, AL 5-0262.

MOTOR SCOOTER, bought Christmas, run 300 miles, spare tire kit, wire wheel covers. Grape, AX 9-7037.

PIANO, small mahogany factory rebuilt upright, \$195 including moving expenses, or trade for old model car. Neilsen, AL 5-6497.

PORTABLE TV, new Philco Seventeen, retails \$199.50 will sell \$125. Cundy-Bettony ebonite clarinet, used one season, \$55. Young, AX 9-1627.

KNITTING MACHINE, free instruction, Martinez, AL 6-1062 after 5 p.m.

30-06 SPRINGFIELD, custom stock, new sights, \$70; large oak desk, \$20; 21" console TV, needs picture tube, \$25. Lane, AX 9-3962.

STEEL TRAILER, 2-wheel, 3 ft. wood extension box, lights, good tires, ideal for moving. Anez, AX 9-6301 after 5:30 p.m.

BANDED PARAKEET breeders, all colors, \$4 a pair. Robinson, AX 9-0971.

'57 FORD Fairlane, 4-dr. hardtop, TB engine, Ford-o-matic, PS, R&H, WSW, green and white tu-tone. Carter, AM 8-1677.

MODEL A FORD tudor sedan, make offer. Horse corral, 4" boiler tubing, 12' and 16' lengths. Walrath, DI 4-4980.

20-inch BICYCLE, new departure brakes. Thomas, AX 9-3838.

ZENITH TELEVISION, 17" blond table model, \$50; Modern blond chest of drawers, \$25; girl's 26" bicycle, \$20. Young, AL 6-1387.

UPRIGHT FREEZER, 20 cu. ft. International, \$185, 4 inside doors and shelves; Frigidaire ironer, \$25; large window fan, \$7; Quella, AL 6-2524.

TRUMPET, King Master and stand, \$50; Kirby floor polisher attachment, \$10. DeVore, AL 5-7211 after Aug. 24.

MAHOGANY BUFFET, \$25; dinette set, \$25; birch crib with nearly new mattress, \$20; stroller, \$5; baby scales, \$4. Butler, AX 9-5626.

27 lb. BOW, Paul Bunyan fiber glass, quiver, wrist guard, finger guard, 7 arrows, \$12. Taylor, AL 6-3774.

FRIGIDAIRE REFRIGERATOR, \$95; GE automatic washer, \$75; will sell both for \$150; 9' x 9' rug, gray, \$20. Scott, AL 6-9708.

35 ACRES mountain land nearby State 217, includes old well, 26 miles from Sandia Base, bargain priced. Causey, AX 9-0089.

'58 KARMANN GHIA Volkswagen, world's most beautiful small car, low mileage, will trade. Munn, 1635 Roma Ave. NE, CH 2-8239 after 4 p.m.

AKC German Shepherd, 7 mos. old, all shots, excellent with children, \$75. Engquist, 800 Monroe St. NE, AL 6-3361.

MANGLE IRONER, 1956 Hotpoint deluxe model, rarely used, \$40. Baldwin, 1825 Gretta NE, ext. 33248.

DRAPES, chartreuse, lined, with traverse rods and valances, 86" x 84" for picture window and French doors, 83" x 84", \$40. Schafer, AL 6-2662.

MARK VII JAGUAR, 4 dr. sedan, 1954, automatic transmission, pushback metal top, 25,000 actual miles, white sidewall tires, \$1895. Zachewicz, CH 2-1396 after 5 p.m.

MATERNITY WARDROBE, fall-winter, sizes 14-16. Also basinet. Cornell, AL 6-6687.

ALFALFA, 95 cents per bale. Padilla, 8830 North Fourth, AX 9-4043.

'57 STATION WAGON, V-8 Chevrolet 210, R&H, two-tone, 16,000 miles, \$2,195. Might consider trade. Houts, AL 5-7814.

SPRINGER Spaniel, male, 3 years old, trained as a retriever, good watchdog, all shots. Very energetic, needs more room to run, \$25 or best offer. Summers, AL 5-1016.

BABY CARRIAGE, car bed, scales; Keystone magazine 8mm movie camera with two lenses. Busby, AX 9-6450.

ROBERSON HOME, 3 BR., 1 1/4 bath, pitched roof, w/w carpeting in three rooms, drapes. Available Sept. 6, \$1,800 down. Robitaille, AX 9-5923.

WANTED

VOLKSWAGEN, good shape, up to \$1,200; 16mm movie projector, up to \$50. Gonzalez, AM 8-1084.

WOMEN TO WORK in Sandia Corporation Tech Area cafeterias during noon hours. Call Employee Services, ext. 29157.

CHILD CARE in my home, North San Mateo area, walled yard, toys, sandbox, playmates. Also nursery equipment. Stixrud, DI 4-7873.

UMPIRES for Sandia employees' football games. Contact Employee Services, ext. 29157.

FOR RENT

3 BR HOFFMAN brick Royal, carpeted, dishwasher, garbage disposal, attached garage. Will discuss lease with option to buy. Available Sept. 1. Craig, DI 4-2979.

LOST AND FOUND

LOST—SIAMESE CAT, male seal point, light fur around eyes, dark circular mark between shoulders, lost Aug. 4 near 1000 California SE. Morse, ext. 36285 evenings.

LOST—'52 class ring with initials D.J.N., lost at Coronado Club swimming pool, Aug. 14. Leonard, AX 9-4684 after 5.

LOST—Argus C-3 camera in leather case w/broken latch; Zippo lighter engraved "To L. Carter, from his fellow officers"; black Navy swim fins and mask lost at Coronado Club; brown plastic frame glasses in leather case; heavy chain bracelet; cross; chrome ballpoint pen; 7 keys on ring, 1 SC-82; coffee colored Parker pen. Lost and Found, ext. 26149.

FOUND—Turquoise and gold triangle shape earring; black rim glasses in grey case found near Gibson one month ago; gold flower earring; gold leaf earring; glasses in case with name Dr. N. M. Tohill found at Central & Manzano; Yale key. Lost and Found, ext. 26149.

Livermore Shopping Center FOR SALE

TRUNKS, steamer, 2 large, 1 medium, 1 small. Siglock, HI 7-2050.

LAWNMOWER, Clinton 2 H.P. 18" rotary, \$30. Modis, HI 7-0398.

BICYCLE, girls 26", excellent paint, \$20. Wilcox, HI 7-4064.

5 ACRES, 1 mile south of Livermore, \$1,500 per acre, cleared, level, school bus service, beautiful view. Drummond, HI 7-5856.

LAMP, floor, mandarin style, brass base, 3-way, \$10. Cooper, Jefferson 7-0280.

ELECTRIC RANGE, Frigidaire, large oven, white, \$75. Baker, HI 7-5473.

ELECTRIC RANGE, 1955 Hotpoint, double oven, almost new. Barnes, HI 7-4097.

WANTED

DELTA JOINTER, 6 inch, and bench saw, 10 inch, (or combination). Gruver, 824 East Avenue.

Sandia Softball Top Honors Won By 2500-I Team

The 1958 Sandia Employees Inter-League Softball Tournament ended last week in a 3 to 1 victory by the 2500-I team over the 2400 contenders.

The tightly-played game was tied up 1 to 1 until the top of the seventh inning when Ellera Corwin of 2500 singled home the winning two runs.

Pitchers Dan Grim of 2500 and Cliff Rudy of 2400 both gave outstanding performances. Dan had 10 strikeouts and gave up 3 hits while Rudy struck out 8 and allowed 4 hits.

Victorious 2500's winning streak was marred only once during the season when the team was defeated by 1400.

Sandians Play on Championship Team Of Softball League

Winner of the Duke City League and Albuquerque Metropolitan Championship for the third year in a row was the Brunacini Appliance softball team, who beat Simon's in extra inning play, 5 to 4.

Sandians on the team include George Duffield (5231), Cliff Rudy (2443), Bob Bailey (5532), Jack Reynolds (4315), Harold Thomas (2722), Mel Otero (2521), Sam DeHaan (2223), Matt Bustos (2232) and John Hart (4321). Dick Otero, son of Mel Otero, was a bat boy.

The team will be host for the Amateur Softball Association Regional Tournament between Arizona, West Texas and New Mexico which will be held Aug. 22-31.

Harold Thomas, who pitched the entire game and gave up only seven hits, drove in the winning run in the eighth inning.



Duke City League Champs
—third year in a row—



OUT AT FIRST is Harvey Morse (2500-I). First baseman Julian Montoya (2400) is shown removing his foot from the bag immediately after the play. Harvey is assistant manager of the 2500-I team.



VICTORY SMILES are evident on the faces of the 2500-I team which defeated 2400 to win the Sandia Employees Softball League Tournament. (L to R, top row) George Chandler, Milt Mikkelson, R. R.

Pyetzki, E. J. Corwin, Ron Zottnick. (Middle row) Ed Cave, Lee Schulz (manager), Tracy Myers, Harvey Morse. (Bottom row) Vern Simmons, Dave Poli, Don Grim, George Hildebrandt, and Tom Donham.



CONNECTING with the ball is Wayne Hancock (2400) while Tom Donham, 2500-I catcher, is poised for a catch. The 2500-I team defeated 2400 by a score of 3-1 to win the softball tournament.



LIVERMORE SOFTBALL PLAYERS shown here are (Front Row, L to R): Hal Watson (8212-1), Don Gregson (8124-1), Marlin Pound (8212-1), Les Bruning (8221-1) and Dick Read (8123-1). In the middle row (L to R) are: Roy Tackett (8111-1),

Lee Hollingsworth (8120), Karl Tucker (8212-2), Ed Daus (8124-1), Arnie Schuknecht (8213-3). Top Row (L to R) are: Rex Richardson (8222-2), Jack Curran (8113-1), John Bryson (8222-3), Jim Blanchard (8122-2), manager Jesse Floyd (8222-2).

Livermore Little Leaguers Take Local Championship

Livermore branch's two entries in local Little League baseball competition came out with flying colors. The Sandia Dukes won the National League championship with the Sandia T-Birds running a close second.

The Dukes went on to try for Livermore's first Junior League World Series championship, but lost the second game 13-12 to the Cowboys, local American League champs.

The Dukes topped the six-team National League by winning 12 and losing 3. The T-Birds won 11 and lost 4.

Both teams were coached by Sandia employees. Bill Pontsler (8124-1) managed both teams. Head coach of the Dukes was Bob

Verdier (8124-1), assisted by Leo Gutierrez (8124), Don Gregson (8124-1), Ed Daus (8124-1), and Ed Holbrook (8122-1).

Two Sandians had sons on the teams; Mike Gutierrez played second base and Arnold Lamb, whose father is in 8113-1, played center field.

Head coach of the T-Birds was Dave Hurley (8221-2), assisted by Les Rowe (8220), Marlin Pound (8212-1), and Harold Watson (8212-1). T-Bird team members with parents at Sandia were: Gary Hurley, third base; Dave Grubbs, catcher, son of Mrs. Clair Grubbs (8221); Bob Bryson, pitcher, son of Jim Bryson (8225-1); and Bruce Davies, right field, son of Lee Davies (8131).



LIVERMORE NATIONAL LEAGUE CHAMPS -- Sandia Dukes, shown with their Sandia Corporation coaches, won 12 and lost three in the recent

season. Coaches Bill Pontsler (8124-2) and Don Gregson (8124-1) stand at left. At right are Coaches Bob Verdier (8124-1) and Leo Gutierrez (8124).



SALTON SEA WELCOME—New employees at Salton Sea Test Base were guests for dinner and dancing at San Felipe Lodge recently. L to R: Mr. and Mrs. Jerry Ogle, Mr. and Mrs. R. S. Millican, Sheryll Ann Millican, Chief Tiny Holden, Mr. and Mrs. R. Johnson, Leo Naumann, Roger Kurlinski.



CONFERRING with James W. McRae, President of Sandia Corporation (left) and Kenner F. Hertford, Manager of the Albuquerque Operations Office (right), is Eugene J. McNeely, executive vice president of the American Telephone and Telegraph Company.



PASSENGERS are welcomed aboard tech area bus double-door buses are now in operation serving employees in the tech area with efficient service.



SPECIALLY EQUIPPED TRAILER is readied by the Full-Scale Test Division (5131) for instrumenting ground motion studies in the proposed underground nuclear blast next summer near Carlsbad, New Mexico. (L to R): Edward S. Ames, J. M. Wistor, project officer, and Clarence R. Pickens, all of Division 5131.



LIVERMORE DISPLAY at Alameda County Fair was well received by visitors. The Corporation's part in the nation's atomic weapons program was explained in the exhibit by slides and cartoons. Earle A. Paxton (8223-2), left, is shown with a visitor. This is the second year Sandia has participated.

Sandians Plan to Participate In N. M. Nuclear Experiment

Sandia Corporation has again been assigned specific jobs in the peaceful uses of atomic energy—this time participating in an underground nuclear detonation planned for next summer near Carlsbad, New Mexico.

The New Mexico experiment is the second initiated under the AEC's "Plowshare" program to investigate important peacetime applications of nuclear explosives. As previously announced, Sandia is taking part in studies being conducted on the Alaska coast near Cape Thompson to determine the practicability of excavating a harbor.

Designated as "Gnome," the New Mexico experiment will be conducted approximately 25 miles southeast of Carlsbad in a salt bed area known as the Soldado formation in the Delaware Basin in Eddy County. As now planned, a nuclear device with an expected yield of 10 kilotons will be placed in a tunnel in the salt bed 1200 feet below the surface, so that heat and radiation developed by the nuclear explosion would be confined to a relatively small area. It is expected that there will be no fallout as the radiation will be contained underground.

Major purposes of the experiment, according to an AEC announcement, are:

1. "To develop data to assist in determining the feasibility of producing and recovering valuable isotopes by means of a contained nuclear detonation.
2. "To determine whether and how such a detonation would generate heat useable for the production of power.
3. "To measure ground motion for basic scientific data related to this and other projects under the Plowshare Program."

The announcement added that "various materials may be subjected to the neutrons created in the nuclear explosion and from these valuable isotopes will be ob-

tained." Plans have not been completed as yet on what materials will be inserted for this purpose.

The release further stated that Sandia Corporation will be responsible for arming the nuclear device and performing ground motion studies. As in the case of the Alaskan experiment the New Mexico detonation will be under the technical direction of the University of California Radiation Laboratory at Livermore, California.

Arming of the nuclear device for the experiment will be carried out by the Full Scale Ordnance Section (5231-1), headed by E. L. Jenkins. Project officer for instrumenting the ground motion studies will be J. W. Wistor of the Full-Scale Test Division (5231). Scientific officer for the ground motion studies will be W. R. Perret of the Model Studies Division (5112).

Cost of construction and materials to carry out the entire project was estimated by the AEC to be about \$750,000 exclusive of the nuclear device to be used. Initial exploration of the site has already begun with Holmes and Narver Inc., Los Angeles, acting as engineer for the project. Initial studies will include core drilling at the site, ground water studies by the U. S. Geological Survey and development of additional geological information by the USGS.

If information developed by these studies and surveys indicates the practicability of the experiment, a shaft about 1200 feet deep, large enough for men and equipment to enter, will be constructed, the AEC announced. A tunnel will connect the bottom of the shaft with a small chamber in which the nuclear device will be placed.

Detonation of the device in the tunnel will be controlled from a trailer located about four miles north of ground zero, the announcement stated.

Atomic Age Makes Possible Execution of Unique Highway Dedication Techniques

(Livermore Special)

Atomic energy opened a road in Livermore earlier this month. The occasion was the official ribbon cutting ceremony dedicating the new Vasco Road, which now connects the Livermore Branch and UCRL with the Highway 50 freeway.

To cut the ribbon, ordinary table salt was made radioactive by the new pool-type reactor at UCRL and then enclosed in a sort of wand. The wand was waved in front of an electronic device, the radiation closed a circuit, and a powder charge exploded, cutting the ribbon.

The new road not only relieves congestion during peak traffic hours, but provides visitors to the Branch driving from the airport with a quick route that bypasses Livermore.

Instead of turning off Highway 50 at the regular Livermore cutoff sign, the visitor continues for 3.8 miles on the freeway until he comes to the Vasco Road sign on the right. A right turn and a two mile drive takes him to East Avenue. A left turn there and a drive of less than a mile puts the visitor at the gates of the Livermore laboratory plant.

Highlighting the Vasco Road

dedication, at which the city of Livermore and UCRL and Sandia management were represented, was a talk by Dr. Edward Teller, UCRL director. He noted that Sandia and the Radiation Laboratory work closely together, although in a broad sense they work in somewhat different fields.

Dr. Teller said that Sandia is mostly engineering with some research while UCRL is mostly research with some engineering.

He predicted growth for both laboratories and said that UCRL now has 3,100 employees working in a \$60 million plant.

Streamlining in Document Dept. Resulting in Speedier Services



DOCUMENTS pour into Archives (2464-1), filling the equivalent of 25 file drawers per week, and enough material to fill 20 file drawers is destroyed in the same period. Cal Sexton (2461-1) on ladder finds room on shelf for more documents while Norma Nash (2464-1) destroys obsolete documents to avoid accumulation.

From documents at Sandia come procedures and methods for getting things done, drawings and illustrations to show how to do it, manuals explaining how to put it together and photographs and motion pictures to aid in the process.

All of this adds up to a sizeable amount of paper products—more than three tons of documents sent to the military each week, not to mention what is used internally—and most of this material is processed through Sandia Corporation's Document Department (2460).

Only 10 years ago 48 people handled the workload in the department. Today the staff numbers 306. A few random statistics give a good picture of the work done.

Work Volume

Technical Art Division (2463) produces an average of 160 original illustrations a week. More than 2000 photographs are printed weekly by the Photography Section (2462-1). Document photostats and ozalid prints, produced by the Ozalid Section (2462-2), average 3500 and 53,000 respectively each week.

More than 50 million sheets of paper go through the presses in the Printing Sections (2462-3,4) annually. More than one

million bound documents are produced each year.

In the Mail Room (2461-5), 7000 documents are sent out in U. S. mail each week. More than a ton of mail comes in during the same period. The Motion Picture Division (2465) processes three-quarters of a million feet of film every year. The microfilming laboratory in Section 2464-1 films an average of 2170 frames of material weekly. The equivalent of more than 25 file drawers are filled each week in Archives (2464-1) and 20 drawers emptied in the same period.

Document Services Needed

Reason for this tremendous workload is that all organizations at Sandia depend upon the Document Department for services and many want their jobs done as soon as possible—sometimes even yesterday.

To cope with this ever-increasing demand the Document Department has had to carefully evaluate and streamline its operations.

Sylvan Harris (2460), manager of the department, pointed out that the department continues to seek ways to improve its efficiency and provide increased services.

"Many innovations are being introduced," he said, "some of small consequence but collectively, resulting in an appreciable increase in production. One time-saving technique resulted from turning on our ozalid machines one-half hour before starting time and letting them run during the noon hour, thereby saving several hours a day in warm-up time."

New Printing Equipment

New equipment has been ordered and is being installed now in the print shop and microfilm areas which is expected to more than pay for itself in terms of time saved and work produced, Sylvan said.

A savings of at least \$50,000 a year, according to the Business Methods Department, is being realized through the use of IBM equipment in document control. No longer is it necessary to keep manual records on the location of documents—it is all done by machine. Using IBM cards also cuts time spent on annual document inventory from three months to two weeks.

More than \$100,000 a year in ozalid supplies have already been saved by using IBM cards to check on distribution duplication. A check of the cards on engineering releases revealed that some engineers and suppliers were receiving as many as 46 copies of the same drawings. "By careful scrutiny," Sylvan said, "we were able to cut our ozalid prints way down and save about \$40,000 annually in clerical la-

bor. Labor saved was diverted to other activities which had been understaffed."

During 1957 the number of engineering drawing releases doubled which would have meant an increase of from three and one-half million to six million prints annually under the old distribution system. Instead print production actually dropped from three and one-half to two and one-half million prints, Sylvan said.

Requests Reduced

The same methods for checking distribution were applied to work orders with surprising results. With the help of the IBM cards small work orders for the same or related item were grouped together in one large order, thereby cutting down on preparation and machine time and eliminating up to 40 per cent of the drawing reproductions requested.

A sweeping change was initiated just recently to speed up distribution of engineering change orders. Under the new system the document originators indicate the number of each item to be reproduced instead of leaving this to the Document Department as was previously the case.

The system also permits the Document Department to distribute individual prints of the change orders instead of waiting for the completion of the entire "package." It is estimated that the new system decreased overall processing time by 80 per cent—from as much as 30 days in some cases to a present average of six days.

Still More Changes

Other improvements put into effect recently by the Document Department include rearrangement of equipment for more efficient operation, better reproduction control methods, more convenient ways of mixing chemicals, better handling equipment, keeping abreast of recent developments in photographic printing processes and materials, contracting unclassified printing with local firms and streamlining clerical operations.

Safety-conscious employees of the Document Department have contributed much to the efficiency of the organization also, the safety record reveals. This month the department celebrated its 500th accident-free day.

The last lost-time accident in the department occurred March 20, 1957, with more than one and one-quarter million employee-hours worked since then without a lost-time accident. "This record is to be commended," Sylvan said, "when you consider that most of these people are constantly on the go and are exposed to machinery in the course of their day-to-day duties."



MOTION PICTURE DIVISION (2465) processes three-quarters of a million feet of film annually, a sampling of which is shown here. Gerald Cobb, photo technician, is shown editing with a film editor.



IBM CARDS used for document control in the Document Department (2460) have resulted in an annual savings of more than \$50,000 in the cost of

keeping records on the location of documents. Here Reba Jo Griffiths (left) prepares to key punch IBM cards while Rose Saul sorts cards in a collator.



DUPLICATION in distribution of ozalid prints of engineering drawings has been greatly reduced since IBM machines were introduced for record keeping in the Document Department (2460). Dorothy R. Nolasco, ozalid operator (2462-2), displays the number of duplicate drawings sent to one individual previously.