

Sandia Conducting Low-Yield Underground Tests in Nevada

A series of small underground detonations, using conventional high explosives, is being conducted in Yucca Flat, Nevada Test Site, by a team of Sandia scientists and engineers to obtain scaling data for use in the Plowshare program.

Project Plowshare is the AEC program for investigating peaceful applications of nuclear explosives.

Three small charges have been fired, and about 20 more are

scheduled for the series which will continue through February.

Detonations of the 256 lb. charges of high explosive cause no effects that are observable off-site. No nuclear materials are used in the experiments.

Byron Murphy of the Nuclear Burst Simulation Division 5112, is scientific advisor for the series. H. R. MacDougall of Nuclear Test Division II 5232, is project engineer.

Other Sandians participating include Walter Cordek (5232), S. H. Swartzbaugh (5232), W. G. Foy (5216), G. A. Duffield (5231), D. B. Lift (5231), Edward Ames (5231), Fred Shoemaker (5231), J. L. Hinds, (5216), and Adam Trujillo (4732).

Sandia is being assisted in the experiments by the Reynolds Electrical and Engineering Company, AEC support contractor for the Nevada Test Site.



published every other friday for the employees of sandia corporation, contractor to the atomic energy commission

VOL. II, NO. 1

ALBUQUERQUE, NEW MEXICO

JANUARY 9, 1959

1958 One of Busiest Years Yet For Plant Engineering Dep't

The year 1958 produced a heavy load for Sandia's Plant Engineering Department. Based upon their planning activities, more than \$5,000,000 was authorized for expenditure by AEC-ALO out of AEC construction funds.

As a result, Sandia benefited by considerable new construction, modification and additional equipment. Some 255,000 sq. ft. of space was added to the Laboratory. Total value of the plant now stands at \$74,000,000.

Largest growth was at Sandia's Livermore Laboratory where \$3,197,000 was spent on the construction of Office and Laboratory Bldg. 912, Steam Plant Bldg. 915, Model Shop Bldg. 913, and Test Bldg. 914. With the Administration Bldg. 911 and Warehouse Bldg. 916, the total plant value of the Livermore Laboratory is \$5,900,000.

In Albuquerque the year 1958 saw the completion of the Van de Graaff Bldg. 803 at a cost of \$100,000; Engineering Mock-Up Bldg. 809 costing \$308,000, and addition to Bldg. 863 of a motion picture processing laboratory costing \$193,000 and an addition to

the Wind Tunnel Bldg. 865 costing \$182,000. A Model Stores Warehouse Bldg. 893 was completed at a cost of \$283,000.

In Area III the Air Gun facility was added to environmental testing capabilities at a cost of \$131,500. An Assembly building in Area III was completed costing \$68,000 and a small test building costing \$21,000.

Two electrical sub-stations were added to Area III for a total cost of \$200,000. Another sub-station adjacent to Bldg. 884 was completed for a cost of \$12,000.

At Salton Sea, a new storage facility addition to Bldg. 72 cost \$22,500.

Many existing buildings in Plant Area I were given major modification during 1958. Bldg. 880 received a major overhaul to house the Field Test organization and provide quarters for Sandia's new 704 and 705 computers. A new Pendulum tower was added to

Bldg. 880 also. Total cost of the projects was \$182,000.

Bldgs. 838 and 839, vacated by Field Test personnel, were modified to house a new printed circuit (Continued Page 3)

IRE Members to Hear C. A. Gilchrist At Jan. 20 Meeting

The Albuquerque-Los Alamos section of the Institute of Radio Engineers will meet Tuesday, Jan. 20, at 8 p.m. in the Electrical Engineering Building at the University of New Mexico, according to John McLay (1455), Professional Group Coordinator.

Carl A. Gilchrist, Jet Propulsion Laboratory, will discuss "Telemetering Receiver Threshold Improvement by Use of a Phase-Locked Loop Discriminator." The program is sponsored jointly by the IRE Section and the Professional Group on Telemetry and Remote Control.



PRESENTING A CHECK for \$2,000 to the St. Anthony Boy's Home new dormitory building campaign is Dave Tarbox (4540), chairman of the Sandia Corporation Employees Contribution Plan. The money was a reserve fund accumulated in the plan during the past year. Accepting the check is Mrs. Jerome Dougherty, co-chairman of the current "Brick for a Boy" campaign.

Committee Hails New Community Support For 'Great Decisions 1959'

Community support for the program "Great Decisions, 1959" mounted this week as the starting date for the nine-week discussion series on foreign relations neared. Lynn E. Castle (4624), chairman of the Albuquerque Great Decisions committee, expressed confidence that the program, to begin February 1, will include over 100 separate discussion groups.

Among the score or more of co-operating organizations are: Albuquerque Public Schools, Albuquerque Public Library, League of Women Voters, Albuquerque Ministerial Alliance, The American Legion, Adult Education Association, University of New Mexico, National Conference of Christians and Jews, Bernalillo County Council of Parent-Teachers Assns., American Assn. of University Women and Sons of American Revolution. Numerous Sandia Corporation employees are participating individually and as representatives of other groups.

The public library has agreed to serve as information distribution center for the project and has

sets of Fact Sheets available for discussion groups.

It is expected that discussion group leaders will obtain the sets of fact sheets for members of their group. The cost of the fact sheets is \$1 per set (enough for one couple) and there is no other expense involved.

Groups of three to seven people will meet each week to discuss the assigned issue, and will then complete an opinion ballot to register their views on that particular problem of foreign policy. These ballots will then be forwarded to the State Department, along with similar results from discussions being held in 500 or more communities throughout the country under national sponsorship of the Foreign Policy Association, a non-partisan, non-profit educational organization.

Employees who would like to participate in the weekly discussions, usually held in the evening at the home of one member of a group, may contact Lynn Castle at Ext. 31261, or T. B. Sherwin, Ext. 26150. Leaflets describing the program are available on request.

The list of topics to be discussed is:

- | | Week of |
|--|---------|
| Introduction: Challenges of a Changing World | Feb. 1 |
| 1. Will Alliances Keep the Peace? | Feb. 8 |
| 2. Are We Realistic About Communist Powers? | Feb. 15 |
| 3. Peace in the Middle East... Whose Job? | Feb. 22 |
| 4. A "Better Neighbor" Policy for Latin America? | Mar. 1 |
| 5. What U.S. Policies in the World of Economic Revolution? | Mar. 8 |
| 6. The New Technology—For Destruction or Plenty? | Mar. 15 |
| 7. What Kind of a World is Possible? | Mar. 22 |
| 8. What Challenges to Diplomat and Citizen? | Mar. 29 |

Carter Broyles Speaks To Prof. Group of IRE On Nuclear Science

Carter D. Broyles (5113) will discuss "Radioactive Decay, Particle Decay and Interaction" at a meeting of the Professional Group on Nuclear Science of the Institute of Radio Engineers Jan. 27.

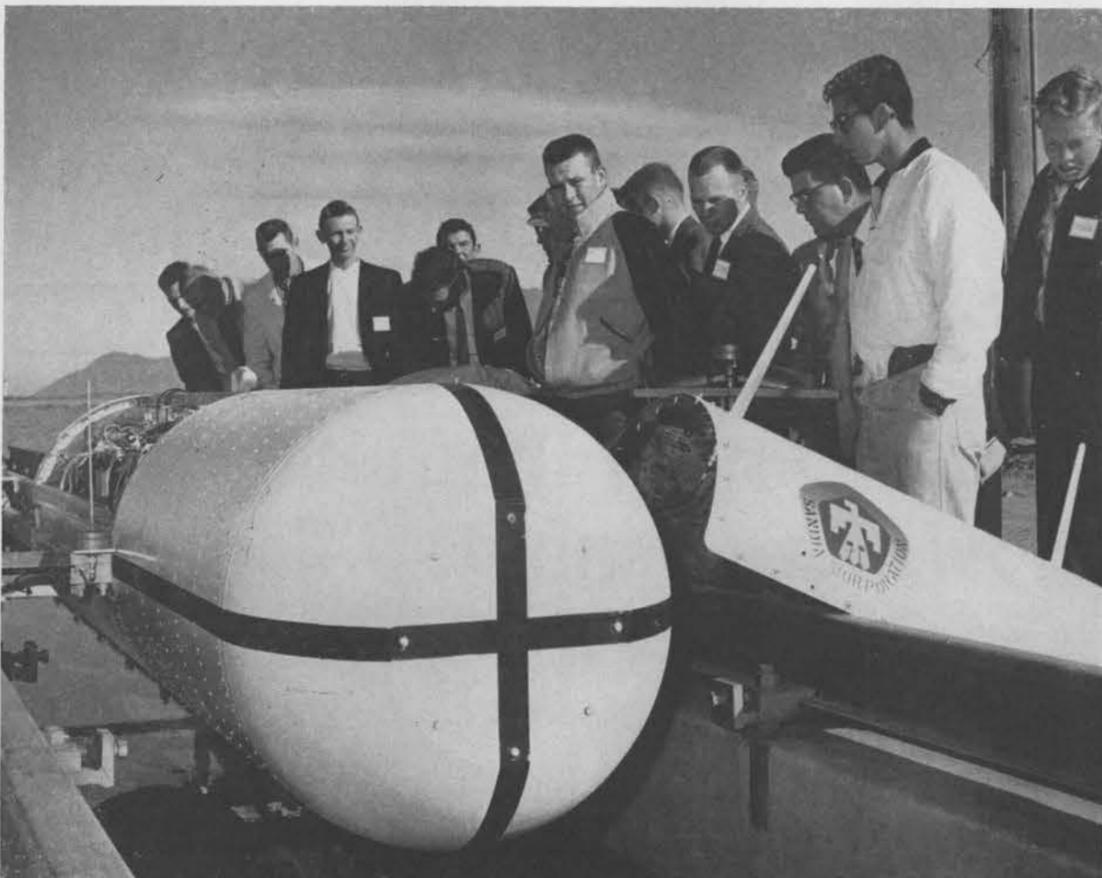
The meeting will begin at 8 p.m. in the lecture hall of the Electrical Engineering Building of the University of New Mexico.

All interested persons, both IRE and non-IRE members, are invited to attend the presentation, according to R. P. Noble (1462), PGNS chairman.

Professional Group Hears Discussion of Microwave Cavities

The Professional Group on Microwave Theory and Technique of the Institute of Radio Engineers will meet Wednesday, Jan. 14, at 8 p.m. in the home of R. L. O'Nan (1456), 10612 Snow Heights Blvd. NE.

Dr. Don C. Thorn of the Electrical Engineering Department of the University of New Mexico will discuss microwave cavities for the refractometer.



ROCKET SLED VEHICLE attracted interest during a day-long tour of Sandia facilities by 20 engineering students from Eastern New Mexico University. The group recently visited Area III, the Van de Graaff Accelerator and the optical facilities located on the east mesa as guests of Sandia Corporation.

J. H. Hershey Speaks To ASQC Members

The Albuquerque Section of the American Society for Quality Control will meet Monday, Jan. 19, at 8 p.m. in the Southern Union Hospitality Room, according to Al Thornton (2731), president.

"Predicting Reliability Numbers" will be the subject discussed by J. H. Hershey, Reliability Engineer, Bell Telephone Laboratories.

For reservations call W. E. Boyes (1590) ext. 46246.



The Sandia Lab News is an official publication of the Sandia Corporation, Albuquerque, N. M. Office: Room 10, Bldg. 829, Public Relations Division Editor: Robert S. Gillespie

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Deadline
Friday noon of week
prior to publication



Member Association of Nuclear Editors, Border Council of Industrial Editors, and affiliated with International Council of Industrial Editors.

Freedom and Citizenship

FBI Director J. Edgar Hoover made his year-end report to U. S. Attorney General William P. Rogers recently. And in that report Director Hoover revealed some matters of vital concern to all of us.

Apathy, he wrote, is a dangerous threat. Public apathy toward the threat of communist subversion grew in 1958. Such apathy, he said, encouraged "dupes and sympathizers" of the Communist party to attack the nation's law enforcement agencies during the past year.

It is only natural for a loyal citizen to deny being apathetic to the communist threat. And then it is still human to wonder just what we can do, individually, to keep from becoming apathetic.

Here's what we can do: Live by the ideals our country represents.

"We live by those ideals," says James T. O'Connell, Under Secretary of Labor, "when we defend the right of others, and exercise our own right, to worship, vote, speak, write, and believe as our individual consciences dictate . . . when we rise up, as united individuals, to defeat men and forces that threaten the freedom and the integrity of our institutions."

It is a doctrine of Communism that the United States of America will collapse economically and politically under the sheer pressure of Communist economic and political ideas. But this can never happen if each one of us bears his fair share of the responsibility of keeping freedom alive.

Just thinking and wishing is not enough. Each of us must keep ourselves well informed and seek opportunities to serve our community and our country as enlightened and dedicated citizens of democracy.

Let that be the resolution of each of us for 1959.

Supervisory Lateral Transfers:

Donald S. Bliss from Division 2533 to 1624, effective Dec. 16.
Douglas Ballard from Division 1624 to 2541, effective Dec. 16.

Engagement

The engagement of Nancy Carmany (4142) to James McAllister of Albuquerque was announced recently. The wedding will be held early in April at St. Paul's Lutheran Church with Nancy's brother, Rev. Wayne Carmany of Calhan, Colo., and Rev. Franklin Heglund officiating.

Nancy has been with Sandia since August 1957.

Take a Memo, Please



Pat Goettsche (4725)

Ice, snow and mud can create dangerous conditions for both pedestrians and drivers. Caution and courtesy to others are important along with usual safety precautions. At any speed it takes longer to stop a vehicle on a wet pavement than on dry roads.

Bell Aircraft Official Speaks on Materials For Future Aircraft

A joint meeting of the Albuquerque Chapters of the American Society for Metals and American Welding Society is scheduled Jan. 15 at the Silver Spur Restaurant, 5600 Central Ave. SE.

Speaker for the occasion will be Wilfred H. Dukes, Chief of Structures, Space Flight and Missile Division, Bell Aircraft Corporation, Buffalo, N.Y., who will discuss "Materials for Future Aircraft Structures."

The dinner meeting will begin at 6:30 p.m. Reservations are available from Don Adolphson (1621), ext. 42250.

Livermore Basketball Teams Enter Play

Livermore Laboratory employees have entered basketball teams in two leagues with double round robin play slated in each league.

Team captains are Don Gregson (8141-2), whose cagers kick off the city industrial league play on Jan. 12, and Church Newmyer (8162-1), whose Rad Lad Recreation Association team started play in mid-December.

How H-Blast Will Serve . . .

There's Joy in the Telling of Plowshare Benefits - Coronet

Possible uses of underground hydrogen explosions to benefit this country economically, politically and strategically are discussed in an article entitled "How the H-Blast Will Serve Mankind" in the January issue of Coronet magazine.

"Project Plowshare," as the program in non-military uses of nuclear explosives is known, is the responsibility of the University of California Radiation Laboratory at Livermore. However, scientists and engineers from Sandia Cor-

R. C. Myers Back At Sandia After Tour With Navy

Back from three years and four months in the Navy is Roy C. Myers, Jr. (8151-1). Roy worked



R. C. Myers

in Field Testing at Albuquerque for two and a half years before his Navy hitch. He rejoined Sandia at Livermore.

The majority of the time Roy served as a lieutenant at the Brooklyn, N. Y. naval shipyard.

Math Lectures

Mathematicians in the 5100 organization recently attended a series of three lectures by Edwin Hewitt, Sandia Consultant who is a member of the Department of Mathematics, University of Washington. Mr. Hewitt discussed "Fourier Analysis and Integral Transforms."

Get-Well Wishes

Friends of Ray Sheppard (8152-1) wish him a quick recovery from his recent operation.

New Home Owners

New home owners at Livermore are Neil Givens (8233-1), who moved in at 1390 Janis Court, and Bob Clem (8151-1), whose new address is 1027 Stanford Way.

Daughter Wins Encyclopedia

The daughter of Pauline Van Delinder (5126), Deborah, won a set of encyclopedias in a recent newspaper contest. Deborah, a 13-year-old McKinley Junior High Student, won with her list of the 10 most colorful characters from the 1800's.

Tech Artist Named New Mexico Handicapped Person of the Year

Helen Batchelor, a technical illustrator for Sandia Corporation (4563), has been named the 1958



Helen Batchelor

New Mexico Handicapped Person of the Year.

The selection was made by the Governor's Committee on Employment for the Physically Handicapped and she will be nominated



SILVER BEAVER award is proudly shown by E. J. Smith. Kit Carson Council recently honored this Sandian for activities on behalf of Boy Scout organization during the past 10 years in Albuquerque.

Sandians Who Serve

Highest Boy Scout Award Goes to E. J. Smith For Outstanding Work

Silver Beavers seemingly run in the Smith family.

The "beaver" in this case is the highest award each Boy Scout Council in America can present to an outstanding Scouter, with National Court of Honor approval required. E. J. Smith (4211) received the award Dec. 6 in Albuquerque; his brother back in Auburn, N.Y., already has a similar Silver Beaver.

The award certificate states "For distinguished service to boyhood within the jurisdiction of local councils." "Smitty's" service goes back to 1948 when he organized a scout unit at the Evangelical United Brethren Church. He has since set up training courses for the commissioners' staff, developed a junior leaders course and has served on the camp staff at Zia. For the past two years he has been commissioner for the Sandia District.

Other Corporation employees who have received the Silver Beaver Award in previous years include Cecil Tolbert (5142) in 1956, Clark D. Read (2242) in 1953, and W. M. "Bud" Bacchus (1413) in 1955.

Edwin Oakes Ends Three Month Tour At Fort Chaffee

Back in time for winter weather is Edwin Oakes (5232-1) who has returned to his Sandia organiza-



Edwin Oakes

tion after serving three months in the Army at Fort Chaffee, Ark. He has been with the Corporation since September 1957.

Congratulations

Born to:

Mr. and Mrs. John F. Smatana (1625) a son, Augustine, on Dec. 28.

Mr. and Mrs. Larry D. Tichenor (4564-2) a son on Dec. 26.

Mr. and Mrs. B. D. Pontsler (8131-1) a daughter, Deann Lee, on Nov. 22.

Mr. and Mrs. Eloy Barela (4231-1) a son, David Charles, on Dec. 23.

Mr. and Mrs. Wally Jungmeyer (5126) a daughter, Janet Lynn, on Dec. 20.

Mr. and Mrs. William E. Schuetz (5216) a son, Mark Andrew, on Dec. 20.

poration are assisting in certain phases of the project.

Sandia's responsibilities include the determination of the sizes of nuclear devices to be detonated, how deep they should be buried, blast safety studies, arming and firing of the devices, the resulting craters and other blast phenomena. R. A. Bice (5200) and M. L. Merritt (5110) have already joined UCRL scientists in a field study of the feasibility of creating a harbor in northern Alaska through use of nuclear explosives.

for consideration for the national award by the President's committee.

Helen had a rare bone disease when she was three years old which left her crippled.

She attended Butler University for two years then received a degree in commercial art from Herron Art School in Indianapolis after four years further study. For two years she operated her own art school, then entered Civil Service. Helen was a technical illustrator for the military on Sandia Base for a year before joining Sandia Corporation nearly four years ago.

During the 1958-59 year she is serving as president of the Albuquerque Chapter of the American Business Women's Association and Helen is also active in church groups. Two other artists in the section, William "Duke" Pauley and Gene Alesch, both whom also are physically handicapped, are enthusiastic in their praise for Helen for this honor.



FINISHED TELESCOPES, built from "scratch" by members of an off-hours study class, are displayed by (L to R) Ed Miller (4252), Oran May (1651), Paul Chavez (4252), his son, Jerry, and Bill Seelbach (4251). Instructor of the class is Dan Fenstermacher (5221), right. The 200 power telescopes shown here are the first completed of some 40 under construction by Corporation employees.

Canadian-Born Rol Hewitt (5254) Loves Hockey; Plays With Bombers

Every week-end through the winter months hockey fans keep their eyes glued on a flashing black dot either on TV or at the local Ice Arena. Watching is one thing, but being on the business end of a hockey stick is quite another.

One of the rising players on the Sandia Bombers team is Roland Hewitt, an electronics man

in field testing (5254). Although he played only two games last year, with improvement he has moved onto the second team.

Canadian-born, "Rol" strapped on his first ice skates at seven and soon thereafter started playing



Roland Hewitt
—Ready for ice action—

Automation in Tax Work To Be Discussed Before Industrial Engineers

Problems encountered in the conversion of the Bernalillo County tax roll to an automated data processing system will be discussed by Carter W. Kirk at a dinner meeting of the Albuquerque Area Chapter of the Institute of Industrial Engineers Jan. 19. Mr. Kirk, Albuquerque realtor and former Bernalillo County Assessor, will deliver an address entitled "Automated Data Processing."

The meeting will begin at 6:30 p.m. at the Chinese Village Restaurant, 3403 Central Ave. NE, according to Homer McIlroy (2511) publicity chairman.

ASTE Meets Jan. 14

The Albuquerque Chapter of the American Society of Tool Engineers will meet Wednesday, Jan. 14, for a smorgasbord dinner at Leonard's Restaurant. The meeting will begin at 7 p.m. For reservations call Gene Idecker (ACF), CH 7-0361, ext. 375.

Authors "Twenty Feet"

H. B. "Hy" Young (4422) will have a vignette entitled "Twenty Feet of Rubber Hose" published in the March issue of the Saint Detective Magazine, on the news stands this month.

This is Hy's third published fiction piece and numerous articles have also appeared in different magazines. He has been a specifications writer at Sandia for the past two years and is active in the Society of Technical Writers and Editors. Hy is presently co-editor of "Tech Activities."

hockey. St. Thomas, Ontario, a town of 20,000, boasts a half dozen hockey teams and enthusiasm runs high. "Even in grade school," he recalls, "the kids don't wear helmets when they play. By the time they reach 12-15 their hot tempers and fast play make for an exciting game."

Since his father was born in America, Rol had dual citizenship until 1948 when he left Canada to enter the American army for six years. Most of the time he was stationed at Fort Richardson, Alaska, where he played one year on the second place Alaska championship team. Electronics school in Washington, D.C., followed Army service.

In many ways Rol is typical of the other five Corporation employees who play on the Bombers team. They are mainly from out-of-state, most have technical backgrounds, and of top importance—they love the thrills of ice hockey.

Radio Club Meets

The Sandia Base Radio Club will meet Tuesday, Jan. 13, at 8 p.m. in Bldg. T-319. Program will be announced, Ed Bales (2554), secretary, reports.

Continued From Page One . . .

1958—One of Busiest Years Yet

cut shop, a specifications library and to provide quarters for 1600 reactor personnel. Modification of the two buildings cost \$42,000.

Move Lab Space

Modification and equipment costs for Bldg. 824 totaled \$31,000 to provide a new research laboratory and office space for 5100 personnel.

Bldg. 884 was converted from warehouse space to quarters for research and development labs at a cost of \$17,000. Similarly, Bldg. 894 lost 18,000 sq. ft. of warehouse space which was converted into a laboratory and fabrication facility for production testers design and development. The project cost \$22,000.

Modification of a vibration facility and an addition of a sound proof room in Bldg. 860 cost \$12,000. Bldg. 626 was given a major overhaul to provide space for the Technical Art Division 4563 and Central Mailing Section. Finance facilities in the front of the building were also modified. Cost of the project was \$38,000.

Currently under construction in Plant Area I is Bldg. 861, a three story Materials and Standards Laboratory which is scheduled for completion in September 1959. The building will contain 72,000 sq. ft. including 4,000 sq. ft. of basement service corridor. The building will cost \$1,300,000.

Area III Work

In Area III construction is underway on a new Climatic Test Facility and is scheduled for completion in March. It will contain 13,800 sq. ft. plus a barricaded control building with 1,800 sq. ft. Construction of the facility will cost \$483,000 and equipment will cost an additional \$1,000,000.

Due for completion this month is a transducer building in Area

III which will cost \$75,000. Also in Area III, a new water well is being drilled at a cost of about \$39,000.

Scheduled for completion within the next few months are several major modifications of buildings in Area I. Bldg. 828 is being modified to house 1540 offices and laboratories at a cost of \$24,500.

New Engineering Mock-up facilities in Bldg. 835 are being added at a cost of \$13,500. A project to provide temporary quarters in Bldg. 821 for Materials and Standards personnel until the completion of Bldg. 861 will cost \$13,500.

Modification of the concession stand and restroom in Bldg. 800 will cost \$15,000.

1959 Construction

Now in the design and planning stages by the Plant Engineering organization are several new buildings and facilities scheduled to start construction in 1959.

Area III will receive the bulk of the new construction with an Acoustical Testing Facility, Complex Wave Facility, Hot Gas Facility, Radiant Heat Facility, and Reactor Facility planned. These facilities will be used for environmental and materials testing. An addition to Bldg. 6560 in Area III is planned to house additional vibration equipment.

In Plant Area I planned construction includes construction of additional space in Bldg. 865 and the addition of a hypersonic wind tunnel. The Reclamation organization will occupy Bldg. 870 which will also house a new foundry.

Bldg. 815 will be modified to

last year was \$52,000,000. At the close of the year there were 7,700 employees on roll and 6,800 of these were in Albuquerque.

Purchases made by Sandia Corporation in New Mexico in 1958 totaled \$8,100,000. Ninety-six per cent of the purchases (\$7,800,000) were made from Albuquerque suppliers. Total number of Sandia suppliers in the state was 365. These figures do not include purchases made from other AEC contractors in the state.

Almost 650 persons were added to the Sandia Corporation roll during the year 1958 to bring the total number of employees to 7,701, figures announced this week by the Employee Records, Reports and Processing Division 4653 reveal.

The increase was about equal in the three categories of employees—224 new staff members joined Sandia, 171 Staff Assistants, and 231 graded employees. Men outnumber women almost four to one. There are now 6,124 men and 1,577 women on the roll.

become a theater-conference building which will seat 225 persons.

A new metal cutting facility is planned for Bldg. 851.

New permanent gate houses are planned in 1959 for gates 1 and 6 with improvements planned for all other existing gate houses. Also planned is a new access road to Area III.

The Plant Engineering Department submits budget figures to the AEC on all Sandia Laboratory construction projects and generally plans the construction. On the majority of projects such as new buildings, Plant Engineering prepares design criteria and preliminary layouts for use by architect-engineering firms employed by AEC Construction Branch, ALO, and contracts for the construction are let by ALO.

The Department also performs inspection of all construction before acceptance from contractors.

Livermore Enters 10 Bowling Teams

Bowlers at the Livermore Laboratory have signed up to enter about 10 teams in a mixed bowling league. The tourney will start in January.

Bob Eisele (8114-2), league chairman, announced that the league will play-off until May.

'Economics' Subject Of ASME Speaker

Prof. William J. Parish, University of New Mexico, will be the featured speaker at a meeting of the New Mexico Section of the American Society of Mechanical Engineers Wednesday, Jan. 21. Professor Parish will discuss "The Theory and Practice of Economics."

The meeting will begin at 7:30 p.m. in Rm. 100, Biology Hall, UNM.

For reservations call Gene Gardner (4254), ext. 42144.

Sympathy

To Woodrow O. Lerke (4514) for the death of his 14-year-old daughter, Coelene Ann, in Albuquerque on Dec. 25.

To Mary Curtis (4361) for the death of her father-in-law in Albuquerque, Dec. 23.

To J. Verlin Hunt (4211-1) for the death of his mother in Richmond, Ind., recently.

Welcome Newcomers

Dec. 22-Jan. 2

Albuquerque	
Curtis M. Anderson	4233
Mary E. Arnot	4725
Paula O. Asturias	4653
Martel J. Boyer	5214
Donald A. Bower	2551
Sally C. Drott	4582
Benjamin E. DuBose, Jr.	4582
Alma E. DuMont	5423
Sandra N. Golden	4721
Benita A. Gonzales	4561
Dorothy S. Hand	5423
Isabelle B. Jankowski	4142
Kenneth C. Krogh	4623
William E. Maring	4581
Luther J. Otero	2241
Imogene Shelton	4654
Isabel R. Silva	2231
Arizona	
John P. Mitchell, Jr., Tucson	4652
California	
Donald J. Fay, Ridgecrest	8114-4
Elmie R. Newton, Livermore	8222-1
Cyril D. Moy, Livermore	8222-1
Lease E. Oden, Livermore	8224-1
Illinois	
James Greenwell, Chicago	5231
*William P. Harvey, Niles	2513
Francis J. Graham, Arlington Heights	4121
Ohio	
Richard W. Gorman, Euclid	8114-3
Texas	
Lloyd D. Reeves, Lubbock	2231
Willard H. Schmidt, Fort Worth	1232
Kenneth L. Goin, Lone Star	5142
*Denotes Rehired	
Returned from Leave	
Roy C. Myers, Jr.	8151
Edwin T. Oakes	5231

Movie Schedule

The Sandia Corporation noon hour movie schedule for the coming two weeks is:

Jan. 13-16—Movie "A" is "Crisis Cross" starring Burt Lancaster and Yvonne DeCarlo. Movie "B" is "Gun for a Coward" starring Fred McMurray and Jeffrey Hunter.

Jan. 20-23—Movie "A" is "Foxfire" starring Jeff Chandler and Susan Cabot.

All these movies are full length features and are shown in two parts starting at 12:05. Movie "A" will be shown in room B-6 of Bldg. 802 on Tuesdays and Wednesdays and in Bldg. 849 on Thursdays and Fridays. The schedule for Movie "B" is the reverse.

Sandia Corporation Has Worked
86 DAYS
Without a Disabling Injury

HERE'S WHY...

Because they believe courtesy toward others promotes safety as well as creating goodwill. It can mean the difference between life and death while driving a vehicle in heavy traffic or while waiting for pedestrians to cross a street.



'Most Unusual' But Desert Has Full Measure of Winter Snow

Sunny, dry New Mexico was experiencing its fifth December in history with no moisture. The weatherman said the outlook for rain or snow was bleak. Range grass was suffering. Cattlemen were unhappy. Irrigation farmers saw visions of dry ditches. Snow fans, ski fans, and kids were resigned to the fact that there would be no recreation for them this year.

Then Mother Nature pulled a surprise.

Fourteen inches of the wet stuff fell overnight. With it came all the benefits and woes of a first class snow storm.

Power and telephone lines were down in many parts of town. Broken tree limbs added to the hazard of driving on unplowed streets. Sandia Corporation had its own problems.

At 1:30 a.m., Monday, Dec. 29, Sandia security guards started

alerting key personnel. By 4 a.m. employees at the Motor Pool (4573) were on the job making paths through the Tech Area and shoving the snow off the roadways with two road graders and front end loaders. The Housing Area and Area III roads were cleared later. Jeeps, wreckers, service trucks—any four-wheel drive vehicle—were used to help move stalled cars and keep the traffic flowing. Parking lots had to be cleared and when there was a breathing spell 50 sets of tire chains were put on other AEC vehicles.

By 5:30 a.m. workers from Plant Maintenance Department were out clearing walks, steps and doorways and spreading salt. On Tuesday morning three men were given an unusual job—they went around knocking icicles and snow overhangs from

building entrances. Some icicles were estimated to weigh 30 lbs.

Although there was no power trouble here, the steam plant was held in readiness for any emergency. A diesel automatic generator kicks in automatically if there should be a breakdown in the steam power plant.

The eight members of Motion Picture Division claimed to be the storm's "forgotten men." They had to wait for a jeep to come along to clear a driveway to the West Lab. After skidding and sliding in they found the power was off.

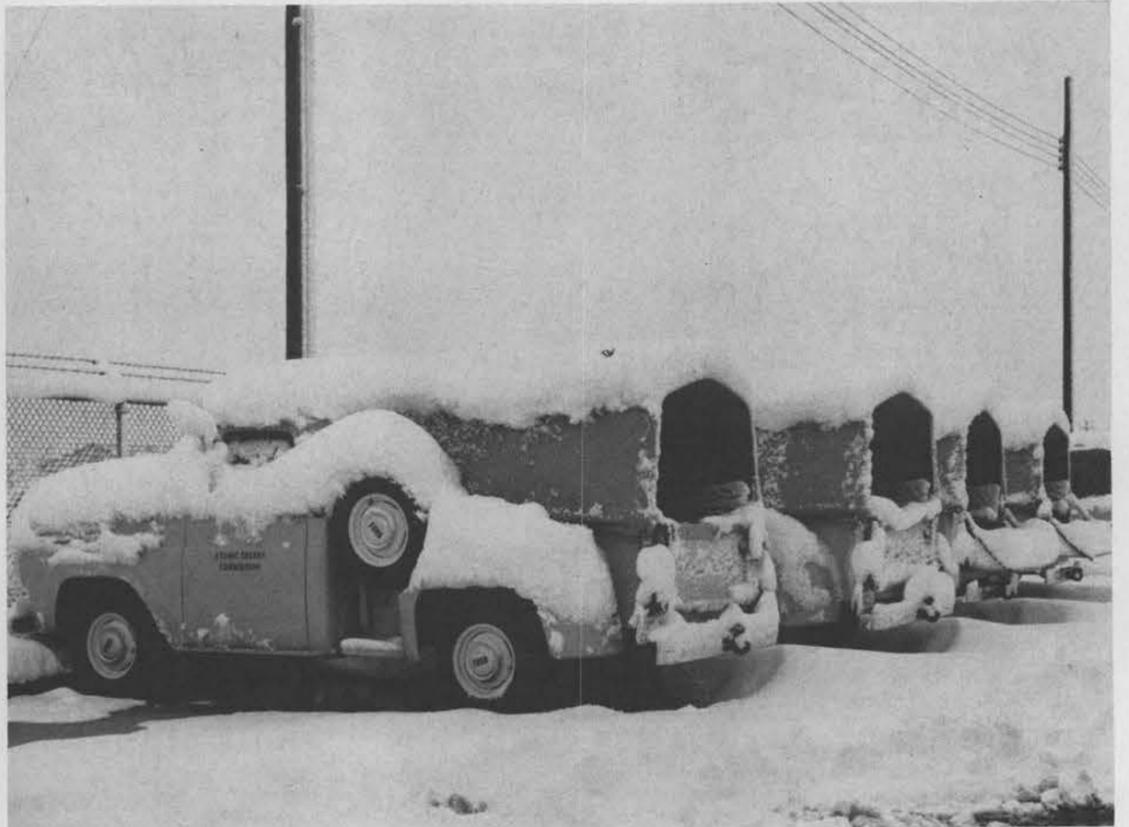
While the desert wore a frosty mantle of white, Sandia photographers Oscar Goodwin and Bill Laskar donned their overshoes and recorded the heaviest snowfall in the history of traditionally dry Albuquerque.



Arctic attire for apparatus . . .



Snow can be beautiful . . .



Chilly hats for Sandia transportation . . .



New Holiday trim for 800 . . .



Frosty fence, wet underfoot . . .



MERRY MODEL "A" and owner Walter Mooney (2154-2) show no adverse effects from recent 4,500 mile trip. Walter did the complete rebuilding job even making some unobtainable parts himself.

Model "A" Carries Family of Four On 4,500 Mile New Jersey Vacation

Shades of the 1920's!
That must have been the comment of those who saw Walter Mooney (4254-2) and his family roaming down 4,500 miles of highway in their 1929 Model "A" Ford. On a recent vacation Walt, his wife and their sons Michael, 7, and Dennis, 4, made the 2,080 mile trip to New Jersey in four days—averaging 45 miles per hour.

On the trip back, there was an additional traveling companion, a puppy.

They carried camping equipment (mattress, ice chest and stove) in the trunk and on a specially-mounted rack in the back, as well as their luggage. Young Dennis napped most of the way on the shelf behind the front seat. Michael sat with his parents.

Despite all, the car averaged 20 miles to the gallon and used only a quart of oil each way.

For those who might be interested, Walt says that the car has hydraulic brakes, a standard size

tire, a straight Model "A" engine with dual carburetor and a high speed rear end. Although it has only 40 hp, top speed is 80 mph.

Walt used three Model "A"s in rebuilding this one and has been at the job about five years. It is still possible to buy many new parts, but occasionally he had to fabricate an unobtainable part.

This is the third cross-country trip for the Model "A" and while Walt had several offers for it on the trip, he won't part with it.

Reimbursements Need Not Be Reported on Income Tax Returns

Employees will not be required to list on their 1958 federal income tax returns travel and similar business expenditures which have been reimbursed by their employer.

In late 1957 the U.S. Treasury Department ruled that these reimbursements must be itemized in tax returns. After much furor the Internal Revenue Service in March 1958 came out with a modified ruling designated to minimize abuse of business expense accounts yet not impose upon millions of taxpayers the difficulty of keeping detailed records of even minor expense accounts.

In general, an employee who is required to and does account to his employer for his business expenses and is reimbursed will not be required to report them on his federal income tax form, either in detailed or total amount.

Sandia employees are reimbursed for such expenses on official business and thus are not required to report them on their returns except to claim deductions not reimbursed as noted below.

If an employee gets any allowance in excess of his expenses, the excess must be reported as compensation on his federal tax form.

If the employee's reimbursement is less than the amount of his business expenses, and he wishes to claim a deduction for the excess, the employee must provide a statement showing the total advances or reimbursements received from his employer and the total of his business expenses categorized as to transportation, travel, entertainment and other purposes.

Tech Writers, Editors To Hear S. S. Wugalter At Jan. 22 Meeting

S. S. Wugalter (5322) will read "Concurrent Design of Digital Systems and Checkout Equipment" as an example of technical writing at a meeting of the Albuquerque Chapter of the Society of Technical Writers and Editors Jan. 22.

A film prepared by Lytle Engineering and Manufacturing Company demonstrating a new technique in audio-visual presentation is also scheduled for the program.

The meeting will begin at 7:30 p.m. in the Community Room of the Albuquerque National Bank, 4401 Central Ave. NE. For reservations call Dick Jackson or Jim Murray (both 4421), ext. 39238.

Bowling Tourney To Start Jan. 24

Sandia bowlers will take to the alleys Jan. 24 for the Seventh Annual Coronado Club Bowling Tourney. Competition will last until Jan. 31. Entry deadline for the tournament is Jan. 15.

Blanks for entry may be secured from Tom Cook (AEC) or E. R. Clark (5512), or at the Coronado Club.

Sandia Service Awards

10 Year Pins



Abraham Metzgar 4514 Dec. 12, 1948
Walter A. Maupin 8122 Jan. 4, 1949



Marshall W. Denish 2232 Jan. 10, 1949
Tom H. Takahashi 5232 Jan. 10, 1949



Alan R. Bolles 5214 Jan. 11, 1949
Oliver D. Chapman 2722 Jan. 17, 1949



J. M. Luna 2543 Jan. 14, 1949
Carroll McCampbell 5232 Jan. 14, 1949



George L. Hutchinson 2232 Jan. 15, 1949
James P. Brock 8224 Jan. 17, 1949



R. M. Elder 1472 Jan. 17, 1949
Edward W. Fisher 5213 Jan. 17, 1949



Paul H. Kolb 1473 Jan. 17, 1949
Alonzo F. Nelson 2551 Jan. 17, 1949

Five Year Awards

Jan. 10-23

Edna M. Mayer 2222, Helen C. Kreissl 4580, Evelyn C. Quigley 4652, M. June Gambill 1592, James A. Dempsey, Jr. 1611, Adolfo E. Fletcher 4412, Edward P. Quigley 2225, and Lois F. Donaghy 4233.

Two Year Certificates

Jan. 1-16

John F. Buyers 5331, Edward G. Thiman 4141, H. L. Williams, Jr. 4141, Lenor W. Morrison 4231, Anne D. Toth 4622, Gail D. Whaley 2224, S. S. Millwright 5142, John W. Arnold 5142, Bennie Longfellow 4224, Floyd G. Shaw 2711, Donald L. Blandy 4562, John D. Jolley 4562, Joseph A. Lemire 1613, Norman E. Fletcher 8122, Bjorn I. Iversen 8114, Ralph M. Rayner 1222, James C. Wyatt 1217, Steve W. Webb Jr. 4344, and Clifford L. Shaw 4253.

Jan. 17-23

Lawrence Metoyer 4574, Lillie M. Sanchez 4725, Norma L. Bright 4572, Delmar R. Giles 4642, Jack C. Grape 4362, P. A. McNamara 4725.

P. J. Gadevaia 5242, Donald A. Scranton 1414, Virginia J. Miller 4233, Howard R. Lafond 4733, Phyllis D. Martin 8212, R. R. Grandstaff 4725, Roland H. Carlson 5112, Marvin L. Coon 4152, and Betty J. Cole 4725.



O. A. Phelps 5251 Jan. 17, 1949
G. E. Morehouse 1611 Jan. 18, 1949



Alice J. Gates 4725 Jan. 19, 1949
Marcella Samuelson 4725 Jan. 20, 1949

Basketball Schedule

Monday, Jan. 12			
6:45	1200	vs 1600-I	2200 vs 5200
8:00	1600-II	vs 7400	2400-I vs 5100
9:15	1400	vs 2500	2400-II vs 4100
Wednesday, Jan. 14			
6:45	2500	vs 2700	5200 vs 2100
8:00	1200	vs 1400	5500 vs 1600-II
9:15	5100	vs 2200	7400 vs 1600-I
Thursday, Jan. 15			
6:45	4100	vs 2400-I	
8:00	2400-II	vs 2700	
9:15	2100	vs 5500	
Monday, Jan. 19			
6:45	1600-II	vs 1400	2400-I vs 5500
8:00	2100	vs 1200	2400-II vs 5200
9:15	2700	vs 4100	2500 vs 5100
Wednesday, Jan. 21			
6:45	1600-I	vs 2700	5500 vs 2200
8:00	5100	vs 2400-II	7400 vs 2100
9:15	5200	vs 2400-I	1200 vs 1600-II
Thursday, Jan. 22			
6:45	1400	vs 1600-I	
8:00	4100	vs 2500	
9:15	2200	vs 7400	

BASKETBALL STANDINGS

Team	Won	Lost
2500	2	0
2700	2	0
4100	2	0
5200	2	0
7400	2	0
1400	1	1
2200	1	1
2400-I	1	1
5100	1	1
5500	1	1
1200	0	2
1600-I	0	2
1600-II	0	2
2100	0	2
2400-II	0	2

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

'55 CHEVROLET station wagon, 4-door Bel Air, R&H, auto. trans., power steering, electric wipers, tires and battery 2 months old. Harrington, ext. 36161.
2 BRM HOME, near Ernie Pyle Library, Bandler School, fireplace, hardwood floors, consider trade for larger house. Garcia, 2726 Santa Clara SE, CH 2-1182.
'54 BUICK Roadmaster, hardtop, Riviera, full power, 30,000 actual miles. Cherb, AL 5-1891.
THUNDERBIRD 1955, white with red trim. Fordomatic, two tops, new tires, 31,000 miles. \$2,100. Schuetz, 434 Maple NE, ext. 36137.
'53 CADILLAC "62", power steering, hydraulic, etc., will sacrifice. Two almost new 14" snow tires, make offer. Huemer, CH 2-1620.
'53 CHEVROLET Bel Air, 4-door. Eskridge, 313 Gen. Chenault NE, AL 6-4712.
2 BRM HOME, very near bases, patio, walled yard, carpet, drapes, hardwood floors, near schools, landscaped. Maxwell, 512 California SE, AL 6-0076.
'50 CHEVROLET 4-door sedan, straight shift, R&H, new battery, \$200 or best offer. Weber, AM 8-1297.
EXECUTIVE DESK and chair, library table, four station inter-com. Engle, 626 Espanola NE, AM 8-4241 after 5 p.m.
UTILITY TRAILER, 2 wheel, large wooden box, \$50. Tidwell, 1824 Propps NE, AX 9-2158.
'57 PLYMOUTH Belvedere 2-door hardtop, damaged fender, hood & bumper (slight), will sacrifice rather than fix to trade-in on new model. Maynez, CH 3-8444 after 6 p.m.

SHOPPING CENTER

ARMY COLT 45, single barrel blue, \$75; Fox 12 gauge double barrel shotgun, \$75. Hadady, AX 9-2119.
TABLE SAW, 15" x 23" with 3 blades, mounted on bench, \$10; electric motor for saw, \$40. Henry, AL 6-2467, 1828 Florida NE.
'51 OLDSMOBILE 88, \$375; 17 cu. ft. National freezer with plan and guarantee, assume payments of \$23.15 per month. Markham, 516 Candelaria NW.
WOOD LATHE, complete with sanding disc, bed extension and turning tools, \$20; casement window, style 2313, glazed, \$9. Benz, AM 8-8267.
BABY CARRIAGE for sale, \$6. Teisher, ext. 39283.
BABY PARAKEETS, hand trained, \$5 each. Robinson, AX 9-0971.
16 mm REVERE camera, F 1.9 lens, original price \$182, sell for \$85. Hayes, AX 9-5491.
'55 MERCURY Montclair hardtop, needs three tires, \$1,250. Hillers, see anytime at 509 Fifth NW.
HOUSE TRAILER, Liberty 45 ft., two bedrooms, will trade for two or three bedroom house or sell outright. Pasko, AX 9-0250.
CROSSROADS FLYING Club memberships available for \$400; winner of 1958 Hughes trophy for top flying club; licensed pilots only. Woodall, ext. 35279.
ELECTRIC STOVE, Leonard, with automatic oven, warming oven, deep-well and storage drawer, \$75. Taft, ext. 32283.
'56 CHEVROLET 210, V-8, 2-door, standard shift, one owner, \$1195. Schellend, 420 Yale Blvd. SE, CH 3-1126.
CAMERA, Kodak Duaflex with flash attachment, \$10. Yearout, 604 San Pablo SE, AM 8-3672.
OXY-ACETYLENE Torch, 2 hoses, 2 regulators, lighter, goggles, wrench, extra tip, Craftsman, never used, \$65. Anderson, AX 9-3775.

3 BRM HOME, den with fireplace, 1 3/4 baths, carpeting, air conditioning, patio, walled yard, near schools, shopping, \$600 down to new FHA. Scott, 1825 Blume NE, AX 9-4126.
BABY BUTLER and chair \$12; folding stroller \$7; car seat \$1; ironing board \$2; bird cage \$1.50; electric heater, 1250 watts, \$5. Sedgwick, AM 8-0820.

AUTOMATIC WASHER, Norge, \$75; Zenith console 17" TV \$30; Lewis violin with bow and case \$50; ladies Schick, \$7. Mancuso, AX 9-5252.

'58 RAMBLER, 4-door, custom, less than 10,000 miles. Beabe, AL 6-6067 after 5:30 p.m.

SHOPPING CENTER

SHOPPING CENTER

NEXT

DEADLINE

FOR SHOPPING CENTER ADS
Friday Noon, Jan. 16

WANTED

CHILD to care for in my home, three blocks from Gibson gate, 920 Kentucky SE. Morris, AL 6-0152.
GOOD HOME for red blood Cocker Spaniel male, good with children. Yearout, 604 San Pablo SE, AM 8-3672.
'44 SPECIAL pistol or other large caliber, will trade a rifle. Pritchard, AL 6-5667.
CIVIL WAR military items, guns, swords, pictures, etc. Have some modern guns to sell or trade. Zaluga, DI 4-1564.
GERMAN LUGER, Mauser, Walther pistols and nazi daggers; also old revolvers and derringers. Smitha, AX 9-1096, 8607 Menaul N.E.
GRANDFATHER CLOCK in mahogany or walnut case. Need not be in running condition. Hill, CH 3-3493.
SKIS, with or without bindings. Spray, AX 9-0412.

FOR RENT

WILL SHARE home with employed lady, meals included. Anaya, AL 6-0051.
ONE SINGLE and one double furnished room with private bath, girls only. Harris, CH 2-5755.

LOST AND FOUND

LOST: Prescription safety glasses; wool glove with leather liner; Kaywoodie metal pipe; man's silver and turquoise ring; keys on chain with an opener; right hand buckskin glove; grey hat with initials FWM and Simons; gold wedding band; keys on ring with knife; 8 keys on ring, 1 LL-82, 1 93-D; Hyde Park gold watch with tan band; 5 keys on ring with clip for belt. LOST AND FOUND, ext. 26149.
FOUND: Small round locket with pictures; keys with disc 305 and 2001; gold mesh and pearl bracelet; Chipalo badge found at Santa Dominga Church; keys in tan case; grey leather gloves; gold watch band with leather trim; tan leather gloves; silver tie, chain. 4 keys on ring. LOST AND FOUND, ext. 26149.

Supervisory Appointments

ALBERT D. FORD to supervisor of Product Evaluation Division 8116, Engineering Support Department.



"Al" came to Sandia in October 1951 as a project group mechanical engineer. In April 1953 he was promoted to supervisor of the Ordering and Expediting Section.

He accepted a position as plant engineer with Rayonier, Inc., a chemical pulp manufacturing company in Shelton, Wash., in July 1955, but rejoined Sandia at Livermore a year later. In April 1957 he was promoted to section supervisor in the Materials Application Division.

Before coming to Sandia Al worked for nine and one half years with Westinghouse Electric Corporation in Portland, Ore., San Francisco and Los Angeles, advancing to assistant to the Pacific Coast steam superintendent.

He holds a Bachelor's degree in Mechanical Engineering from the University of New Mexico and is a registered professional engineer in New Mexico and Oregon. His memberships include Kappa Mu Epsilon, honorary math society, Sigma Tau, honorary engineering society, Phi Kappa Phi, honorary scholastic society, and the American Society of Mechanical Engineers.

JACK L. WILSON to supervisor of Instrumentation and Calibration Section 8122-3, Test Projects Division.



Jack joined Sandia in 1954 and worked as an electrical standards engineer in Albuquerque until his transfer to Livermore last July. Since then he has done electrical standards work in the Test Department.

Before coming to the Corporation, Jack worked three and a half years as a civilian communications systems engineering instructor at Scott Air Force Base, Belleville, Ill. Previously he attended Wabash College, Crawfordsville, Ind., receiving his Bachelor's degree in Math and Physics in 1950. He then spent a year at Michigan State University in graduate study of Applied Math. Since then Jack has also studied Applied Math at the University of New Mexico.

Jack is a veteran of three and a half years with the Air Force, serving in the South Pacific in communications maintenance work.

He is a member of Phi Beta Kappa, honorary scholastic society, and Kappa Mu Epsilon, honorary math society.

Credit Union Has Annual Meeting Wednesday, Jan. 21

Annual meeting of the Sandia Laboratory Federal Credit Union will be held on Wednesday, Jan. 21, at 7:30 p.m. in the Coronado Club, Dale Bellamy, manager, reports.

The Board of Directors, Credit Committee and Supervisory Committee will report to the membership. The dividend to be paid on earnings will be determined. Business will also include the election of five new directors, two new members of the Supervisory Committee and one member to the Credit Committee.

All members are urged to attend the meeting. It is at these annual meetings that members exercise their ownership and control of the operation of the Credit Union, Mr. Bellamy said.

LEWIS C. RINEHART to supervisor of 705 Operating Section (2nd Shift) 4142-4, Operations Division.



"Lew" has worked with electronic data processing machines since he came to Sandia in October 1957. The previous five years he was in Civil Service at Topeka Air Force Depot, the last two years working with an IBM 705.

During two years in the Navy Lew served mainly as a quartermaster on ships in the Atlantic.

He attended high school in Topeka, Kans., and did construction work for a short while before entering service.

WILLIAM F. STINNETT to supervisor of Project II, 2531-2, Systems Division A.



At Sandia "Lee" has worked in Manufacturing Engineering Systems since June 1952.

He came here from the University of Colorado where he received Bachelor's degrees in Mechanical Engineering and Business Science.

His previous work experience includes several years as a machinist for Clark Equipment Company in Battle Creek, Mich., a year with Curtis Wright in Columbus, Ohio, and more than two years in redesign of packaging machinery for the W. K. Kellogg Company in Battle Creek.

During World War II he served a year in the Army Air Force.

He is a registered professional engineer in New Mexico and is a member of the New Mexico Society of Professional Engineers.

C. M. GABRIEL to supervisor of Systems Division A, 2531, Manufacturing Engineering Systems Department.



"Gabe" has been at Sandia since March 1951 and has been supervisor of Field Test Equipment Section 2554-1 for five and one-half years.

He received a Bachelor's degree in Electrical Engineering at the University of New Mexico. Earlier while attending Fenn College in Cleveland, O., Gabe worked in electrical repair maintenance for U. S. Steel.

During five years in the Army Corps of Engineers he served part of the time as an instructor in Electrical Engineering at Fort Belvoir, Va.

Gabe is a member of the New Mexico Society of Professional Engineers and is a registered professional engineer in New Mexico.

Mountain Club to Visit Pre-Historic Home of Sandia Man

Domain of the pre-historic Sandia Man will be the goal Saturday for the New Mexico Mountain Club.

Located south of Placitas on State Highway 44 the large cave of archeological importance is reached by a short, but steep, hike. Side trips will also be made to other areas near the cave.

During a general meeting, Thursday, Jan. 15, at 8 p.m. in Odlum Hall, several Sandians will show slides and movies of last summer's outing in the High Sierras and a climb up Shiprock.

On Sunday, Jan. 18, members will take the loop trip over South Sandia Peak returning via Canyoncito Trail. Be prepared for snow.



LA MADERA area manager Ben Abruzzo (5512) assists Mrs. R. A. Kavet (left) and Mrs. J. R. Martindell, both wives of Sandians, in getting onto T-bar lift which pushes skiers 4,200 feet up the mountain at the average rate of 250 persons every hour.



Don Cotter

Don Cotter Heads Large Group of Enthusiasts

Skiers Making Big Business on Snowy Slopes Throughout U. S.

It's estimated that 300,000 novice skiers this winter will join the ranks of several million Americans who have already made 250 major and minor ski areas in this country "big business" during an otherwise slack tourist season.

New Mexico is no exception, with facilities near Albuquerque, Santa Fe, Taos, Las Vegas, Ruidoso and Cloudcroft attracting local schuss-boomers as well as out-of-state skiers.

Interest in skiing developed early in the Duke City when the Albuquerque Ski Club was founded in 1935. A T-bar tow was installed by the city with federal assistance at La Madera area in the Sandia mountains in 1947. It was one of the first and one of the longest such lifts in the country.

Sandia Corporation employees have continued to support development of this winter sport in New Mexico from both a pleasure and business standpoint, although many of the individuals were "flatlanders" before coming to Albuquerque.

Association President

Donald R. Cotter, manager of Engineering Department 1240, was elected President of the Southern Rocky Mountain Ski Association this fall. This marks the first time that anyone outside of Colorado has reigned over the area, which comprises New Mexico, Colorado, Texas, Kansas, Oklahoma and Southern Wyoming.

SRMSA has control over the 150 organized ski clubs in the area, administers skiing competition, selects skiers for national and international races, and in general strives to promote skiing. "Don" had never skied before moving to New Mexico but his wife's enthusiasm for the sport encouraged him to try.

In late December Don received

Outstanding Speakers For 5100 Colloquium During This Month

Two outstanding speakers are scheduled for Sandia Corporation Research Colloquium meetings in the next two weeks, Craig Hudson (5111), reports.

Dr. John Foster, UCRL, will discuss "Small Weapon Development" on Wednesday, Jan. 14. Tickets are required to attend.

On Jan. 21, Prof. J. W. Chamberlain, Yerkes Astronomical Laboratory, University of Chicago, will discuss "Theories of Auroras." The forms of auroras and the physical mechanisms causing them will be described. Tickets will not be required.

Both meetings will be held at 9:30 a.m. in the basement conference room of Bldg. 802.



SKIING PLEASURES are usually enhanced by spectacular scenery of vast snowy slopes and timber-covered mountains. Sports lovers get this view from midway on La Madera ski run near Albuquerque.

notice that he had been appointed a member of the Olympic Ski Games Committee, which is responsible for selection of team members, training, and equipping competitors for the Nordic and Alpine winter events to be held at Squaw Valley, Calif., in 1960.

Serving on the SRMSA's board of directors is Arthur F. Lawrence (1614), who is also president of the Southwest Ski Council, an administrative sub-division of SRMSA. The council's main job is to coordinate plans for races among the ski clubs.

Abruzzo Area Manager

Although La Madera area had been operated by the Albuquerque Ski Club under lease for the past seven years, Ben Abruzzo (5512) has served as area manager for two years and this year became a part-owner in the enterprise. The area is open week-ends and holidays. During operating days it offers restaurant facilities, ski instruction, and ski equipment rental along with deep snow. The 8,500 ft. area is served by a 4,200 ft. T-bar with a rise of 1,000 ft. and capacity of 250 persons per hour. After the eight-minute ride to the top the intermediate or advanced skier is offered a choice of the main slope or four trails.

A 300 ft. rope tow for beginners is located near the main lodge, an

attractive log structure with huge fireplace.

The highway to La Madera is paved except for the last 5.8 miles which is gravel. Snowfall normally permits operation of La Madera from late November until late March but muddy roads have been known to discourage all but the most enthusiastic Spring skier.

Ski Patrol Members

A necessary and reassuring element at every winter sports area is the Ski Patrol. Ray Harrison (2441) heads the patrol at La Madera this year and assisting him on week-ends are Don Cotter, Bill Schutz (5216), Art Lawrence and Zelma Beisinger (5126).

These volunteers not only give up their pleasure skiing to aid injured skiers, but they also must pass a number of requirements before becoming members of the Ski Patrol. They are required to complete the 26-hour advanced Red Cross first aid course, attend an eight-hour refresher course yearly to remain active, and pass a ski proficiency test. Their only reward is a free lift ticket and the knowledge they are doing a vital job.

Numerous other Corporation employees are active members of the Albuquerque Ski Club and have assisted in the development of this winter sport in many ways.