

SANDIA LAB NEWS

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

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ALBUQUERQUE, NEW MEXICO

MAY 3, 1957

Special Groups Helped Study Of Reactor Problems

Two groups of Sandia Corporation scientists played important parts in early studies of the proposed Sandia Engineering Reactor Facility.

An Ad Hoc Committee on Radiation of Materials was formed to review the situation from the overall work planning aspect of Sandia Corporation. Its membership comprised representatives from all organizations involved.

The committee first concerned itself with a determination of whether exposure to radiation represented a new engineering environment requiring exploration, and second to suggest a course of action. The committee concluded that such a problem existed and environmental test facilities were necessary for Sandia to carry out its mission.

Membership of the committee changed considerably during the months of its activity. Original members of the committee were: J. L. Colp, J. J. Dawson, Osborne Milton, and P. J. Komen.

An advisory group to the Radiation of Materials Ad Hoc Committee consisting of other Sandia Corporation scientists also assisted in planning the facility. Original membership of the advisory group, which also changed from time to time, was W. O. McCord, J. I. Hegge, Jr., L. D. Smith, W. C. Hunter, T. B. Cook, R. O. Frantik, and J. H. Findlay.

Work Starts On First Livermore Branch Building

A contract for construction of the first phase of the Sandia building program at Livermore, Calif., has been let. The Newark Construction Company of Newark, Calif., will build the first structure, an office building (911), for \$287,758.

Work on the project started April 29.

This is the first of six buildings scheduled to be constructed by the AEC for Sandia Corporation on a 50-acre plot on East Avenue, Livermore, across from the University of California Radiation Laboratory.

The estimated cost for the entire project is \$4,500,000.

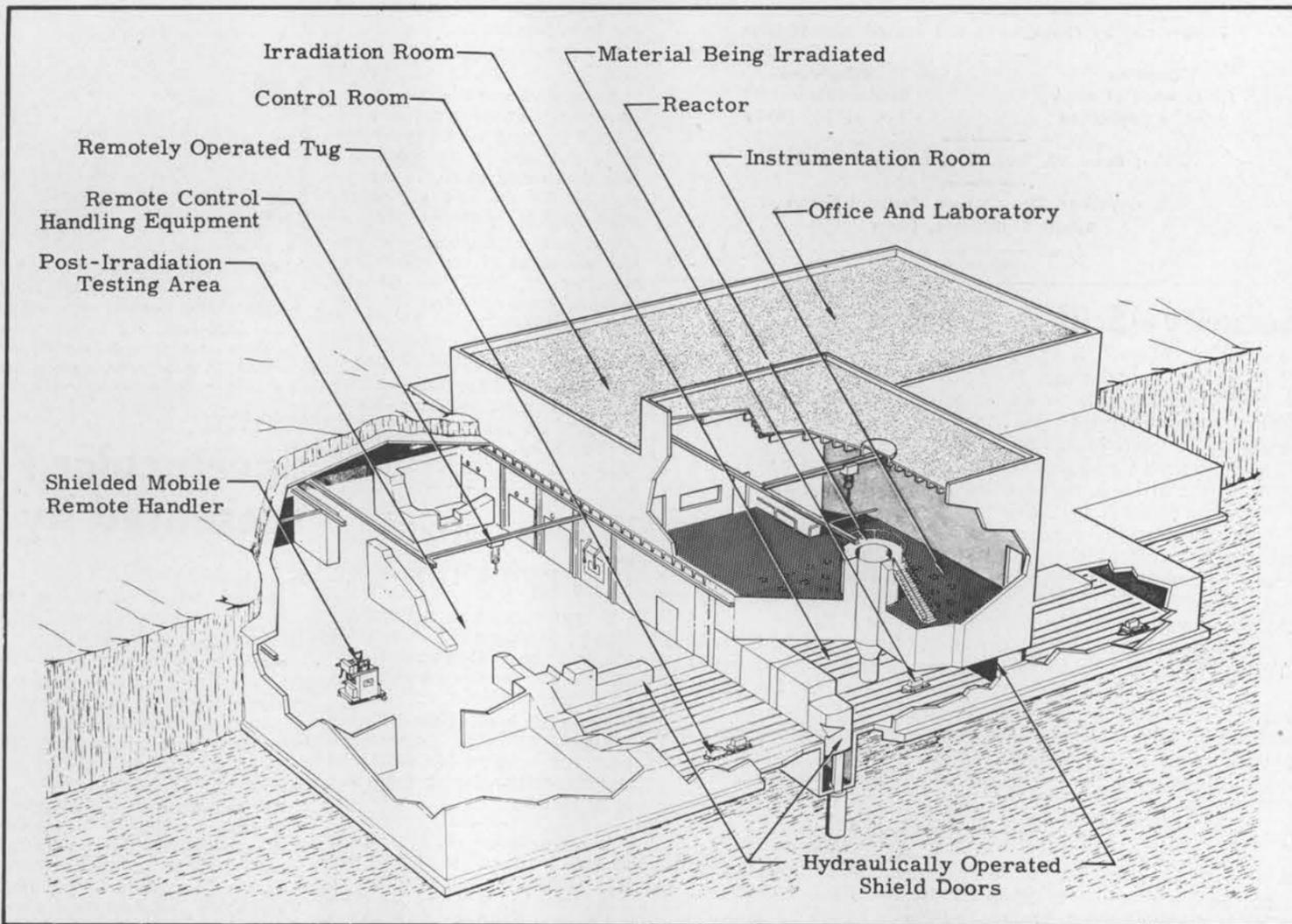
Phase II of the construction calls for an office and laboratory building, machine and model shops, a warehouse, an environmental test building and a central steam plant.

Presently located in UCRL facilities, Sandia plans to occupy the first new building in September of this year. The building will house personnel, security, medical and purchasing activities.

Wisconsin University Professor to Speak At Colloquium May 8

"Numerical Analysis of Engineering and Systems Problems" will be discussed at a meeting of the Sandia Corporation Research Colloquium Wednesday, May 8.

Professor P. C. Hammer, Director of the Numerical Analysis Laboratory, University of Wisconsin, will be the speaker. The meeting will begin at 9:30 a.m. in the basement conference room of Bldg. 802. Tickets are not required, Craig Hudson (5111), member of Colloquium Committee, reports.



PROPOSED Sandia Engineering Reactor Facility (SERF) for Sandia Corporation engineering testing work is shown here in an artist's

conception of the finished facility. The project is estimated to cost \$2,900,000. The accompanying article tells of the proposed SERF.

Nuclear Reactor Proposed For Area III

Sandia Corporation officials have confirmed newspaper reports that consideration is being given by the Atomic Energy Commission to construction of an engineering testing reactor for Sandia Laboratory.

It is anticipated that the reactor will be in operation about 18 months after funds are made available.

Organization 1600, Materials and

Standards Engineering, has been responsible for the overall planning of the facility. Personnel of 1600, headed by J. R. Townsend, formulated the proposals which resulted in the design of the project.

Among those working on the reactor design and planning have been Charles E. Bild, Manager of the Materials Standards Department, 1620; Dr. D. M. Ellett, super-

visor of the Radiation and High Temperatures Studies Division, 1626; John L. Colp, supervisor of Radiation Effects Section, 1626-1; and A. W. Snyder, supervisor of the Radiation Special Studies Section, 1626-3.

The entire facility housing the reactor would cost about \$2,900,000. It would be designed to measure the effects of nuclear radiation upon materials and devices, and not to generate power.

Plans call for a reactor building 125 feet by 165. A considerable portion would be built underground. The tank-type heterogeneous reactor with highly enriched uranium fuel would be capable of operating at a maximum heat power level of 5000 kilowatts. The reactor core would be located inside a circular standpipe containing the reactor cooling water. A portion of the standpipe would extend through a heavily shielded irradiation room 30 feet square and nine feet high. Remotely operated equipment would place in the room the samples to be tested.

In addition to the irradiation room, there would be a laboratory for preparing test specimens, post irradiation analysis laboratories, material dosimetry laboratories and office space.

Laboratories located adjacent to the reactor would be heavily shielded and biologically safe methods and facilities would assure adequate protection to operating personnel against radiation exposure. Extensive remote handling facilities would be included.

Plans are for the reactor facility to be located on a Sandia Corporation controlled test area, approximately five and one-half miles south of Sandia Base in Area III. This remote location with controlled access was chosen to further assure that the health and safety of employees would not be endangered.

The proposed reactor is patterned after a type which has a long operating history and a perfect record of safety. The reactor is the type which has been used by the Atomic Energy Commission to study reactor shielding. In addition, the Reactor Hazards Evaluation Staff of the AEC has made a preliminary review of the proposal and will recheck design specifications before construction begins.

Drs. J. L. Yarnell and E. T. Journey of Los Alamos Scientific Laboratory have had charge of the basic design of the reactor core and its associated cooling and control systems. Mechanical details of construction of the core and its cooling and control systems, as well as other design phases of the facility will be the responsibility of Sandia Corporation and its design contractors.

The prime purpose of the Sandia reactor is to supply information about the effects of radiation on materials. This is one more phase of the extensive environmental testing carried on in 1600 organization to check the performance of units and systems under operational conditions.

Civil Defense Blood Program Lags; Sandians Offered Free Insurance

The Civil Defense Administration in cooperation with the American Red Cross is seeking 36,000 pints of blood throughout the nation during 1957. Aim of the campaign is to provide adequate supplies of whole blood, blood plasma and plasma expanders for treatment of civilian casualties resulting from disaster.

Albuquerque's quota is 5,000 pints. In four months only 80 pints have been contributed. A current local deficit of some 800 pints exists.

The Southwest Blood Bank, acting as a Civil Defense non-profit blood collection agency in the Southwest, is offering a free one-year membership in its Blood Service Plan for those who contribute to the Civil Defense Blood Program. Donors will be entitled to receive blood in unlimited quantities at no cost should the need arise.

A second donation may be made two months later and the coverage extended a second year or the coverage may be assigned to another member of the donor's family.

The Southwest Blood Bank located at 710 Central SE remains open on Tuesdays and Thursdays until 7 p. m. Any group of 25 to 30 people may make arrangements to donate blood on Saturdays by contacting the agency.

Time required for the blood donation process is 30 to 45 minutes per person.

Red Cross mobile units are being used only in areas where no existing blood bank is available to handle the program.

AIEE Members Elect Al Kaping President

Al Kaping (2514), as president, heads a group of Sandia Corporation employees recently elected officers of the Albuquerque Area Chapter of the American Institute of Industrial Engineers. Bill Martin (2513) was elected vice president. Secretary is Bob Norvill (2514) and Ralph Davies (2553) is treasurer.



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Security—Still A Problem

Today, May 3, is scheduled to be the day a New York couple faces their destiny. They have pleaded guilty to charges that they conspired with Russia to obtain U. S. defense documents and other materials. For this crime they could be sentenced to 10 years in prison.

They have also been indicted on a charge of conspiring to transmit secret U. S. defense information to the Soviet Union. This charge could bring a death penalty.

Their arrest in January by the FBI was the first major espionage arrest in the United States since Julius and Ethel Rosenberg were apprehended in 1950. The Rosenbergs were put to death in 1953 after conviction on charges of stealing atomic secrets for Russia during World War II.

The arrest and plea of guilty by the couple in New York (Mr. and Mrs. Jack Soble) perhaps comes as a shock to many of us who have been lulled into false security by the years of peace. This startling development could well serve to jolt us all back into the realization that our country's defense tools and plans are only as safe as the people who work with them.

"Anyway you look at it" security is everyone's business.

Congratulations

Born to:

Mr. and Mrs. Ernest D. Niper (5243) a daughter, Karen Lee, on April 12.

Mr. and Mrs. Juan Griego (2131-3) a son, Richard John, on April 8.

Mr. and Mrs. Lenor Morrison (2133-1) a daughter, Lynette Sue, on April 13.

Mr. and Mrs. J. I. Hegge, Jr. (1470) a son, Joseph Iver, on April 19.

Mr. and Mrs. Phil Young (1611) a daughter on April 22.

Mr. and Mrs. Chuck Gross (1413) a daughter, Janis Christine, on April 22.

Mr. and Mrs. Donald V. Knott (2443) a son, Bradford Dean, on April 21.

Mr. and Mrs. W. S. Brady (7424) a daughter, Julia Josephine, on April 2.

Mr. and Mrs. Charles D. Hernon (7132) a daughter, Janet Cecilia, on April 14.

Mr. and Mrs. R. G. Silva (2553-4) a son, Stephen Michael, on April 16.

Mr. and Mrs. C. M. Coates (2541) a daughter, Catherine Ann, on April 16.

Mr. and Mrs. S. L. Smith (2542) a daughter, Marion Theresa, on April 16.

Mr. and Mrs. F. J. Villa (2542) a daughter, Debra Ann, on April 22.

Mr. and Mrs. Gordon Prestby (7231) a son, John Edwin, on April 5.

Mr. and Mrs. Robert Hewes (2221-3) a daughter, Barbara Kay, on April 21.

Mr. and Mrs. Byron Stewart (2221-3) a son, Danny Lee, on April 22.

Mr. and Mrs. Les Shope (1455) a son, Thomas Edward, on March 30.

Mr. and Mrs. J. E. Davidson (5513-2) a son, James Renwick, on April 23.

Sandia Lab News Reporters Meet

Sandia Lab News reporters were honored last Monday at the annual Reporters' Luncheon, held at the Coronado Club.

In addition to some 80 reporters, guests included: Corporation President J. W. McRae; Vice President M. H. Howarth; Editorial Board members L. J. Heilman, L. J. Paddison, and R. B. Powell; photographers of 2462; artists of 2463; W. G. Funk (3120), T. B. Sherwin (3125) and members of the Lab News staff.

Mr. Powell gave the principal talk.

His subject was the importance of communications in industry. He told of the need for all employees to be informed on the company's job, the ground rules for accomplishing the job, and the people whose efforts get the job done.

Highpoint of the luncheon was the bestowing of the title "Best Reporter of 1956" on Georgia Howard, former reporter for 5200. Since she was unable to attend the annual luncheon, Georgia was given her award ahead of time.

Certificates of Appreciation were presented by Mr. McRae to Helen Kreissl (2480), Hugh Howe (2333), Beverly Klink (2450), Max Weber (5120) and Dorothy Evans (2711).

Weddings and Engagements

Wedding bells rang April 23 for Charles K. Connolly and Helen Moulder, both Corporation employees. The ceremony was held at St. Charles Church.

Helen has been at Sandia since January, 1952, in organization 2461. Her husband has been with the Corporation for six years and is in 1611-3.

Barbara Carey (3153) recently became engaged to Jim Leroy Hay (2154), the son of James A. Hay (2152-3). No date has been set for the wedding.

Barbara moved to New Mexico from the state of Washington and



Miss Carey

has been employed by the Corporation since last November. Her fiancé started working for Sandia last August.

Announcement is made of the marriage of Faye C. Donaldson (7132) to Robert D. Hole of Albuquerque.

The ceremony took place today at 3 p.m. in St. Marks on the Mesa Episcopal Church. The couple will take a honeymoon trip to Grand Canyon.

Faye has been with the Corporation since Sept. 1956.



"BEST REPORTER FOR 1956" was the title bestowed on Georgia Howard (center) for her contributions to the SANDIA LAB NEWS. Georgia reported for most of Field Testing organization 5200 until her recent transfer to a site. Presenting her with a suitably engraved desk set was Cherry Fellner, assistant editor, and A. P. Gruer, Manager of Instrumentation Services Dept. 5210.

Sandianotes . . .

Spectacular For Boy Scouts Presented By Sandia Group

Top Scholar

Mr. and Mrs. J. W. McRae are justly proud of their oldest daughter.

Carol, a 17-year-old senior at Highland High, has been accepted for enrollment at Stanford University next fall. Last year only two freshman students from the entire state were admitted by the school.

She was also one of 7,000 merit scholars—representing the top one half percent of the graduating classes throughout the country—who were considered for 700 Ford Foundation scholarships. Carol plans to major in bio-physics or bio-chemistry.

Division 1411 Picnic

Sandians of Division 1411 and their families had a spring outing recently at High Point picnic grounds complete with softball, volleyball and an Easter candy hunt for children.

Young Pete Komen received a prize for finding the most candies—and for refraining from eating them until counting time. Other entertainment included barber-shop harmony by Bruce Ercole, Ed Lake, Bill Lemmon and Allen Robnett, and magician tricks by Will Scranton and his daughter, Georgia.

Congratulations

Congratulations are extended to Ed Harley (7111) on his recent marriage to Shirley Griswold of Albuquerque. The ceremony was held April 20 at the First Presbyterian Church.

Following a honeymoon in Colorado the couple is now at home at 2115 Lead SE. Ed has been here at Sandia 11 years.

The local chapter of the Valparaiso Technical Institute Alumni, composed primarily of Sandians, presented an "Electronic Spectaculars" program recently to Boy Scout Troop No. 5 and a group of Explorer Scouts.

Although the program was designed primarily to entertain, it also served to further the aims of the Chapter in interesting young people in the physical sciences and in electronics particularly. A survey of the audience following the program produced several youngsters interested in working on electronic projects; members of the VTI group will act as advisors to them.

Program participants included Bob Lindsey, Ken Kudrna and Dave Lindsay, all of 1455.

Happy, They Were

Happy, Texas, sounded like a good place for Milton Guest (2232-5) and his family to visit relatives during the Easter weekend. In Happy they missed by only a few miles the tornado which struck Littlefield.

Singers Elected

Corporation employees are well represented among the newly elected officers for the Albuquerque Chapter of the Society for the Preservation and Encouragement of Barber-shop Quartet Singing in America.

C. E. Jackson (1217) is president, Craig Summers (2222) was elected chorus director, R. Harley (2552) will be secretary, and Floyd Kunz (2552) and Horace Moore (2552) are on the board of directors.

Sympathy

To Robert R. Harnar (5521-2) for the death of his father on April 14 in Warren, Ohio.

To L. F. E. Koehler (2412-1) for the death of his father in Houston, Tex. recently.

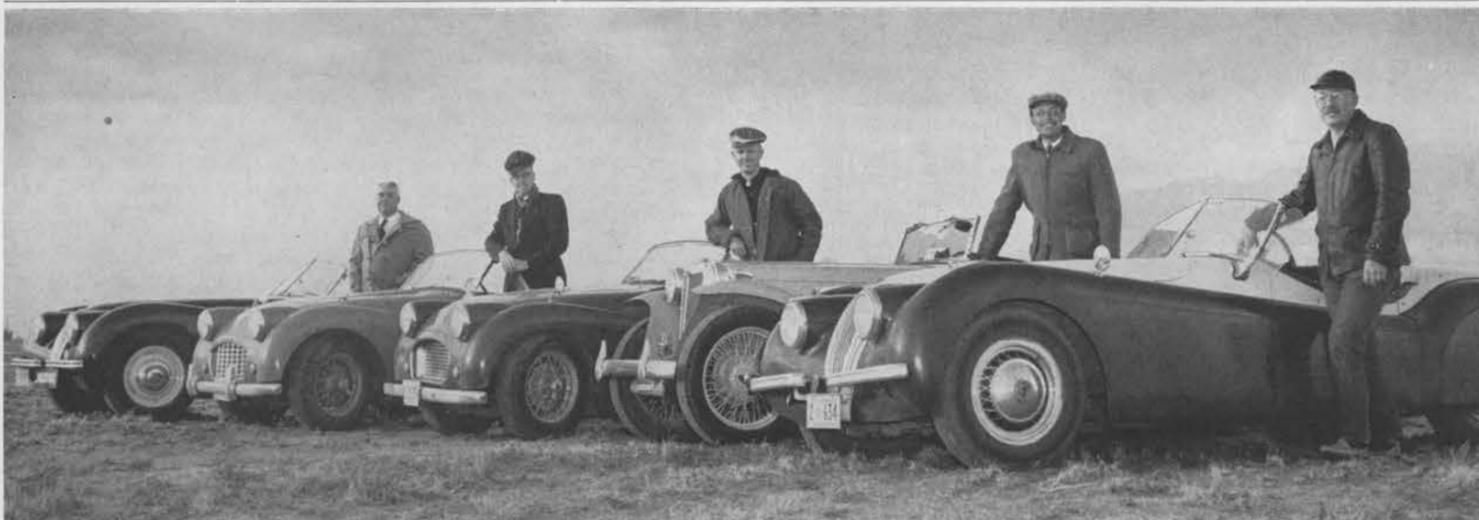
To Tom Marshall (1462-1) for the recent death of his mother.

To James Mutter (1611) for the death of his infant son on April 23.

To Willie Smith (2232-1) for the death of his brother near Tucumcari recently.

To Mark Forster (2121) for the death of his infant daughter, Johanna, on April 13.

To Victor Gabaldon (2153-2) for the death of his father in Belen on April 20.



SPORTS CAR enthusiasts of the Albuquerque Sports Car Club who will be racing at a regional competition meet at Socorro May 4-5 are L to R Carmon Paschal (2154), Bill Denison (1216), president of

the club, Tom Lane (1282), Corry McDonald (2530), and Fran Shea (2151). Time trials and car inspections will be held Saturday, May 4, and races will start Sunday. Bill Laskar (2462-1) snapped photo.

Sandianotes . . .

Salton Sea Fire Prevention Activities Earn Merit Award

Fishing Facts Available

Information booklets on New Mexico fishing laws and regulations are available from Employee Services 3122, Bldg. 829. The booklet, prepared by the State Department of Game and Fish, is a complete guide to bag limits, seasons and fishing restrictions.

Get Well Wishes

Organization 7100 wishes Blanche Evans (7110) a speedy recovery from a virus attack.

Employees of 2150 send best wishes for a speedy recovery to Ed Grymkoski (2154).

Dance Fiesta

The state-wide square dance festival held last week-end at Deming attracted "hoe-down" enthusiasts from Albuquerque as well as adjoining states.

Cleo Hughes (7311-3) led a caravan of about 20 cars, representing members of the Yucca Square Dance Club, headed for the instruction in new steps and general fun.

Home Owners

George Rodgers (1456) has recently moved into a new home in Siesta Hills, just off Gibson Avenue.

Mountain air, however, appeals more to Ralph Carmichael (2711) who is the proud new owner of a two bedroom house in the Sandias.

New home owners are Mr. and Mrs. A. L. Johnson (2132-3), who have moved to 3320 Cardenas NE.

Bob Smith (7421) and his wife, Mary, moved into their new home at 521 La Veta Dr. NE last week. Bob designed the home and had it built to his specifications. A special feature are hi-fi speakers throughout the house with control knobs in several of the rooms.

B. N. Charles Speaks

The general training flight of the Albuquerque Air Reserve Center recently heard a talk by B. N. "Chuck" Charles (5121) on the International Geophysical Year.

The flight has asked Chuck to return later to give a report on progress of the worldwide effort, which officially starts July 1.

Weight Lifting Honors

Need any help moving furniture? Walter Halpin (5131) recently returned from the Rocky Mountain A.A.U. weight lifting meet in Denver. Representing Randy's Gym, he captured third place in the 198 lb. class.

Tech Writer on Standards Committee

W. H. Puder, a technical writer in Reports Section, Technical Information Division (7223), has been appointed to the National Committee on Standards of the Society of Technical Writers. The committee will establish professional standards for industrial and technical writers throughout the country.

Big 10 Alumni Frolic With Skits, Dancing To Be Held May 11

The annual Big Ten Frolic is scheduled Saturday, May 11, W. F. Shoemaker (1462), chairman, reports. The event will feature a banquet, a program of skits depicting campus life, and dancing to the Paul Muench orchestra. The get-together will be held at the Kirtland Officers Club starting at 6:30. Dinner is at 8:30.

The Big Ten Frolic is sponsored jointly by alumni groups of the Big Ten Universities. Graduates of Big Ten Schools are invited to attend, Shoemaker said.

Each alumni group will compete for a "Hammy" trophy awarded each year for the cleverest skit presented. W. R. Granum (1245) is entertainment chairman.

Tickets to the affair are \$3 and may be purchased from Bob Stromberg (1473), ext. 49334, or Jack Marceau (1413), ext. 35145.

Fire prevention activities at Salton Sea Test Base have paid off.

The National Fire Protection Association has awarded Sandia Corporation's Base in Southern California a certificate of merit for fire protection. Salton Sea placed 20th in competition with 73 other industries. As previously announced Sandia Corporation's Albuquerque operation was 13th in the same contest.

Wedding Anniversaries

LeMoyné Browning (2711) and his wife celebrated their 17th wedding anniversary on April 24.

Lillian Sandin (2711) and Clarence R. Sandin (2514) plan to observe their wedding anniversary tomorrow—also their 17th.

Fred Magee PTA Officer

At the April meeting of the Parent Teacher Association of Montgomery School, Fred I. Magee (7113) was elected vice president. Installation takes place May 14.

Better Color Pictures

The Enchanted Lens and Cactus Camera Clubs of Albuquerque and the Los Alamos Camera Club will jointly sponsor an illustrated lecture by a colored film expert on Tuesday, May 7, at 8 p.m. in the Albuquerque High School auditorium.

A. C. Shelton, who has lectured before camera clubs throughout the U. S. and Canada, will speak on "How to Make Better Color Pictures with Anscochrome."

Free tickets are available from any camera supply store. For further information contact LeRoy Hasebroek (7311) ext. 71230.

Wins Science Award

Caroline Keyser, 15-year-old daughter of Roy (7311) and Ruth (3162) Keyser, received honorable mention in the recent State Science Fair held in Socorro at New Mexico Institute of Mining and Technology. A student at Wilson Junior High in Albuquerque, Caroline chose as the subject of her display "Stages in the Life of an Ant."

Speaks to Engineers

A. Burton Metzger (3210) presented the principal address at the annual banquet of the Western Conference of State Boards for Professional Engineer Registration recently at the Hilton Hotel. Mr. Metzger is National Director of the New Mexico Society of Professional Engineers.

Welcome Back

Organization 2711 is glad to see the following people back at work: Ruth Romero, Edith Irwin, Bonifacio Lopez, Kay Wilson and Elmer Roisum.

Best wishes for speedy recoveries are extended to Jim Caller (1452), Rosemary Morrissey (2713), and Alcadio Romero (2711).

Glynn Owens is back in Division 5122 after two weeks in a hospital.

Also welcomed back after an illness of several weeks is John Olson (7424).

Radiation Safety

W. E. Petty (5512) will address two meetings of the Amateur Radio Caravan Club of New Mexico on "Radiation Safety." The meetings are scheduled May 8 and 16. Club members will meet on the air at 7:30 p.m. and proceed to the meeting room, as yet unselected.

Dick Clark Wins

Dick Clark (5512-1) won low net in the first Organization 5500 Handicap Golf Tournament recently. Dale Massey (5532-3) took second low net and Fred Silva (5521-3) won the low gross honors.

The tournament, played April 13 on the University Golf Course, was a warmup for a second tourney scheduled this summer. Fred Silva organized the event.



AEC OFFICIALS AT SANDIA—Meeting recently with officers of Sandia Corporation were Brig. Gen. A. D. Starbird (seated left), Director, Division of Military Application, U. S. Atomic Energy Commission, and K. E. Fields, (seated right), General

Manager of the U. S. Atomic Energy Commission. Standing, L to R: J. W. McRae, President, Sandia Corporation; M. H. Howarth, Vice President and General Manager of Sandia Corporation; and K. F. Hertford, Manager of Albuquerque Operations, AEC.

Welcome Newcomers

April 15-26

Albuquerque	
Santiago J. Abeyta	2461
Miramón L. Armijo	2419
Laura L. Beaubé	2461
Juene E. Cappuccilli	2132
Daisy E. Chaves	7225
Gladys V. Collins	7225
Roland W. Curry	2124
David H. Davis	2461
George Dennis, Jr.	7232
Virginia L. DeWitt	7225
Robert Eidson	2418
M. Lucille Farmer	7225
Doris M. Foreman	7225
Reba K. Garrison	2111
Evalyn H. Gillespie	2461
Joseph B. Gonzales	2411
Robert W. Hall	2462
Mary K. Hamner	2314
Margaret N. Hansen	2723
Marilyn J. Harden	7225
Frances A. Henderson	7221
Angela J. Hopkins	2362
John M. Hueter	7213
Sue Ann Hulse	2333
Joyce V. Johnson	4152
Eleanor R. Kelly	3151
Rosendo Lopez	2461
Donald R. Metheny, Sr.	2419
Abelicia Molina	2419
Barbara R. Morgan	2112
Sicely Y. Nixon	2713
Anne R. Peacock	3151
Viola M. Quirk	7226
Adam Ramirez	2419
Charles W. Ray	7232
Barbara J. Reeder	7225
Joan V. Ricco	2321
George F. Romero	2419
John R. Russell	2419
Benjamin O. Sandoval	2419
Mary C. Smythe	2553
Roma L. Spinks	7225
Emma T. Vasquez	3151
Phillip P. Vouterin	7241
Hazel R. Whitlock	5512
Randal K. Williams	2131
Clarence F. Wilson, Jr.	5216
James F. Wolfe	2419
California	
John E. Healey, Pasadena	1822
Conrad Walter, Lafayette	1811
Louisiana	
Donald L. Warner, La Crosse	1411
Michigan	
Lydia Baker, Detroit	3123
Minnesota	
Joseph R. Ashcraft, Minneapolis	5242
Missouri	
William A. Davis, Kansas City	1262
New Mexico	
Emily C. Browne, Las Cruces	3152
Lucius V. di Lorenzo, Santa Fe	7223
Billy Johnson, Carlsbad	1611
Oklahoma	
Orvis E. Pigg, Claremore	1281
Texas	
Evelyn L. Hughes, Longview	7225
Virginia	
J. Philip La Point, Hampton	1614
Wisconsin	
Raymond Goddard, Milwaukee	1243

Partial Shot Schedule Released By AEC For Nevada Operation Plumbbob

A schedule of nine low yield nuclear shots planned as part of Operation Plumbbob was released this week by the Atomic Energy Commission. The schedule lists shots open to unclassified Civil Defense Administration personnel and representatives of national news media.

Sandia Corporation employees planning to observe a test on their own time and at their own expense

may witness one or more shots. Additional dates for other shots which may be observed only by "Q"-cleared personnel are available from supervisors.

The schedule shows the relative yield of each shot and the type of test. A "nominal" yield is 20 kilotons.

Date	Yield	Placement
May 15	Below Nominal	Tower
June 25	Below Nominal	Tower
June 27	Above Nominal	Balloon
July 9	Below Nominal	Tower
July 15	Below Nominal	Tower
July 25	Above Nominal	Balloon
Aug. 8	Below Nominal	Tower
Aug. 19	Above Nominal	Tower
Sept. 1	Below Nominal	Tower

Approximate

Back From Service

Donald F. Wilkes has returned to Section 1473-1 after two years of Army service. He was stationed first at Fort Bliss, Tex., and later transferred to Redstone Arsenal, Huntsville, Ala.

Don is a mechanical engineer in design and development.



W. R. Atkins D. F. Wilkes

Organization 2541-2 welcomes back William R. Atkins after his tour of military duty.

Bill has been in the Army the past 21 months. He took his basic training at Fort Bliss, Tex., and was then stationed at Sandia Base with the Technical Office of AFSWP.

SERVICE AWARDS

Ten Year Pins



Robert Hepplewhite 5230 May 9, 1947 Charley C. Bates 2124 April 24, 1947

Five Year Pins

Vernon L. Barcafar 1614, Lee F. Denton 7312, George Gleicher 5213, Charles E. Starr 2441, Raymond E. Scharpen 3152, H. J. Salazar 2154, Carl E. Longfellow 7441.

G. B. Drummond, Jr. 7241, Joseph A. Ozmins 2721, Phil Meekins 2121, Ernest J. Tavasci 2691, Jack K. Dobson 7232, Robert C. Mueller 5511, Inger J. Johnson 5512, Alice T. Marks 2716, Frances L. Cohen 7225, and Jose L. Sanchez 2711.

May 10-16

Kevin T. Moriarty 4121, Walter K. Vallely 7231, Edgar P. Cave, Jr. 2511, Walbert G. Levy 1471, George J. Lynch 2234, Ervin W. Lehman 2152, Jesse W. Mitchell 2154, Thomas O. Meyer 2541. Robert W. Cruzen 2742, Forney D. Carpenter 2234, Leo A. Baca 2742, Lawrence E. Sedore 2234, Joe D. Ferguson 2124, Gaylo I. Redlinger 2231, William E. Neitzel 5531, Federico Martinez 4152, Herbert C. Frahm 2411, Sara D. Daehlin 7314, and William A. Adamek 2411.

Two Year Certificates

May 3-9

Albert Schwartz 2544, Betty Lou Myers 3153, Brand H. Hening 2463, Geraldine L. Biegel 3123, Melvin H. Brock 5222, Harvey E. Long 7241, Virginia T. Sims 2232, and Charles Horvath 2462.

May 10-16

Diane M. Martin 1454, Marian Q. Fortenbury 7423, J. Lloyd Williams 5511, Avelina G. DuBois 7225, and Lucy Garcia 4131.

Walter Connolly Dies in VA Hospital

Walter C. Connolly, a staff assistant in 5222 since June, 1955, died at the Veterans Hospital on April 23. He was 44.



W. C. Connolly

He had been hospitalized since April 12. Funeral services were held at Ft. Rosecrans, Point Loma, Calif., at the National Cemetery.

Survivors include his widow and nine-year-old daughter.

Mrs. Connolly requested that contributions be made to the Cancer Fund in lieu of sending flowers.

Meet Sandia's 1957 Bowling League Champions



WINNING TEAM of the downtown Sandia Base Handicap League poses. First row: Ed Holderman (1229), Roland O'Trimble (1226), Chester Clyde (1224), and C. C. Whitney (1215); second row: Luke Stravasnik (1222), R. N. Browne (1222), team captain, and Louis Mecklenburg (1222). This team came out on top of a field of 16.



REPEATING WINNER of the Coronado Club Women's Jewelette League is the Onyx team. Three members are wives of Corporation employees. L to R are Lillian McCullar, Rose Hainlen (4152), Pat Horne, Mamie Burg (AEC), and Petie Fink.



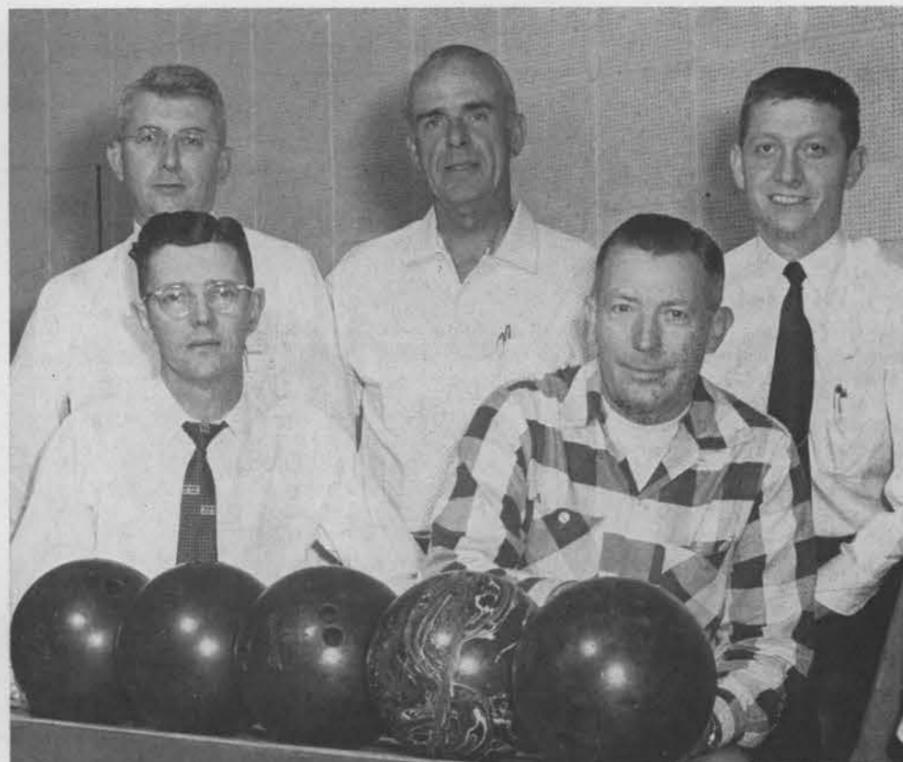
CHAMPIONS of the Coronado Club Bowling League are members of the Indiana team, winners of the Wednesday night All-State league. The Indiana team won the Club roll off after a close match with the Lobos. L to R are L. R. Brewer (AEC), R. M. Fegan (AEC), Hersch Martin (AEC), J. N. Hansen (7411-4) and Ed Holderman (1222).



TOP TEAM of the Coronado Club Thursday night league is the Dodgers. L to R are Carl Boxx (2131), John Hinson (2121), Sam Adkins (2133), J. L. Sanchez (2711) and Peter Ferketich (2121), who is team captain. The Lobos defeated seven other league teams.



MOHAWK TEAM won the Friday night Coronado Club bowling league championship. In the front row are Clifton Boxx (7113), and Mark Elich (7113). Second row: Louis Jacot (6010) and John Sundberg (7113). Third row: Charles McKeever (7113), Barney Bueffel (1411) and Bud Newman (7113). Mohawks defeated seven teams in the league.



CHAMPS of the Monday night Coronado Club league are the Lobos who also took second place in the rolloff tourney for Club Championship. In the front row are Tom Cook (AEC) and Connie Taylor (5213). In the second row are John Durant (AEC), Clyde Northrup (5213) and Bill Hereford (5241). Not shown is R. W. Heuer (AEC).

F. H. Longyear Dies At Home April 20

Frank H. Longyear, who retired March 1 as Sandia's Superintendent of Production, died April 20 at his Albuquerque home.

Mr. Longyear started work at Sandia in 1948 after more than 30 years in manufacturing and engineering projects with some of the nation's major industries. In 1949 when Sandia Corporation was formed he became Superintendent of Production and continued in that position as well as Superintendent of Model Shops until his recent retirement.

He is survived by his widow and son, David, who resides in Detroit. Mrs. Longyear requested that contributions be made to the All Faith's Home in lieu of sending flowers to the funeral.



F. H. Longyear

ASME Ladies Night Banquet to Be May 15

Annual Banquet and Ladies Night of the New Mexico Section of the American Society of Mechanical Engineers will be held Wednesday, May 15, at the Coronado Club. A social hour is scheduled to start at 6:30 p.m., dinner at 7:30.

Student chapter members of ASME from the University of New Mexico will attend the affair. Entertainment program will be presented by the Sandialiers, male vocal group.

After dinner speaker will be James Adshad, Jr., manager of the western district of the Du Pont Co. extension division. His topic will be "Sizing Up the Future." Mr. Adshad, a former radio and television news caster, will illustrate his talk with cartoons and sketches.

Reservations at \$2.50 per person may be made by contacting W. R. Green (1215), ext. 49240.

Tech Council Members To Discuss Long Range Aims, Programs May 6

Long range aims and programs of the New Mexico Council of Technical and Scientific Societies will be discussed at a special meeting Monday, May 6, L. E. Snodgrass (2543), president, announces.

In addition to the regular Council representatives, all officers of member societies will attend the meeting. It will be held at 7:30 p.m. in Rm. 122 of Mitchell Hall, University of New Mexico.

IRE Section Elects Officers at May 16 Meeting of Members

Annual election of officers of the Albuquerque-Los Alamos Section of the Institute of Radio Engineers is scheduled Thursday, May 16. Members will meet at the Coronado Club at 6 p.m. for a social hour and a buffet dinner will begin at 7.

A non-technical talk, "High Intensity Sounds," by C. W. Remaley (1613) will complete the program. The Professional Group on Audio is sponsoring Mr. Remaley's talk.

U. S. Patent Issued AEC in Name of Howard H. Sander

A patent in the name of Howard H. Sander (5112) has been issued the U. S. Atomic Energy Commission announces Gene Newlin, Office of the Patent Manager (6010). "Means for Investigating Gasses" is the name of the device invented while Mr. Sander was employed in the Model Studies Division of the Weapons Effects Department (5110).

The device, nicknamed "vacuum whistle gauge" by its inventor, measures the velocity of sound in a gas as it is sucked through a vacuum chamber by a vacuum. The "pitch" or frequency thus produced is proportional to the temperature of the gas. Its principal advantage over other means of measuring temperature of gasses is very rapid response time.

Mr. Sander joined Sandia Corporation immediately following his graduation from the University of Wyoming in 1951. He earned a BS in Electrical Engineering. He is a member of the Institute of Radio Engineers and the IRE Professional Group on Nuclear Science.



GOLF CHAMPS of 5500 who came out on top of 19 entries recently in an organizational tournament are Dick Clark, front, who won low net, Fred Silva, middle, low gross, and Dale Massey, top, 2nd low net.

Employee Golf League To Open Season May 13

Chet Fornero (7329) was elected president of the Sandia Employees Golf Association at an organizational meeting recently. Two types of league play were set up—nine hole matches played evenings and once a week and 18 hole matches once every two weeks. Ten teams will compete in each type. Starting date is May 13 for the evening league and May 18 for the 18 hole matches. Total participants number 64.

An inaugural tournament, open to all Sandia and AEC employees, is scheduled May 12. Deadline for tournament entry is 3 p.m. May 9. Persons interested in competing in the tournament are urged to organize foursomes or enter individual names with Fornero, ext. 31235, or Fred Silva (5522), ext. 22135. Fred is tournament chairman.

The tournament will be held at the University Golf Course. Tee off time is reserved from 9:30 to 11 a.m. Entry fee is \$1 which will be used entirely for prizes.

IRE Professional Groups Schedule Three Meetings

Sandia Corporation employees will be presenting the technical programs for May meetings of Professional Groups of the Institute of Radio Engineers, according to John McLay (1455), group coordinator.

Nuclear Science
Leonard C. Beavis (1414) will discuss "Effects of Radiation on Materials" Wednesday, May 8, at the PGNS meeting. The meeting will be held in Rm. 217 of the Electrical Engineering Bldg., University of New Mexico at 8 p.m.

Information Theory
Annual election of officers is scheduled for the PGIT Thursday, May 9, at 8 p.m. in Rm. 217, EE Bldg., UNM.

PGAP-PGTTT
A joint meeting of the Professional Groups on Antennas and Propagation and Microwave Theory and Technique, originally scheduled for May 15, is now set for Wednesday, May 22. W. P. Stearns (1455) will discuss "Resonant Cavity Q Factors." The meeting will be held at 8 p.m. in the student lounge, EE Bldg., UNM.

Softball League Play Starts Monday, May 6, Diamond B

Teams 1200 and 1400 will kick off league play of the Sandia Employees Softball Association Monday, May 6, Vic Roh (1262), newly elected league president, announces. The two teams will meet at 6:45 p.m. on Sandia Base diamond B. Jack Renaud (4151) was elected vice president of the league.

About 325 will participate in league including a team from AEC. Nineteen teams will compete for the Association championship. League play should end about July

24 and a double elimination tournament will be held at that time.

Games will be played Monday through Thursday each week, four games an evening starting at 6:45 and 8:30 on Sandia Base diamonds B and D. Schedule for the first two weeks is as follows:

Monday, May 6
1200 vs 1400, 6:45, B
2200 vs 2300, 6:45, D
1600 vs 2100, 8:30, B
2400 vs 2400 I, 8:30, D

Tuesday, May 7
5200 II vs 5500, 6:45, B
3100 vs 4100, 6:45, D
5100 vs 5200 I, 8:30, B
2500 vs 2700, 8:30, D

Wednesday, May 8
2100 vs 2200, 6:45, B
1200 vs AEC, 6:45, D
1400 vs 1600, 8:30, B
7200 vs 7400, 8:30, D

Thursday, May 9
2700 vs 3100, 6:45, B
2300 vs 2400 I, 6:45, D
2400 II vs 2500, 8:30, B

Monday, May 13
7400 vs AEC, 6:45, B
5200 I vs 5200 II, 6:45, D
5500 vs 7200, 8:30, B
4100 vs 5100, 8:30, D

Tuesday, May 14
2300 vs 2400 II, 6:45, B
1400 vs 2100, 6:45, D
2200 vs 2400 I, 8:30, B
1200 vs 1600, 8:30, D

Wednesday, May 15
2500 vs 3100, 6:45, B
5100 vs 5200 II, 6:45, D
2700 vs 4100, 8:30, B
5200 I vs 5500, 8:30, D

Thursday, May 16
1400 vs 2200, 6:45, B
7200 vs AEC, 6:45, D
1200 vs 7400, 8:30, B



"LOSE YOUR KEY AGAIN, SHERIDAN?"

SHOPPING CENTER

CLASSIFIED ADVERTISING

Deadline: Friday noon prior to week of publication.

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.

Next Deadline: Noon, May 10.

FOR SALE

- '51 CADILLAC 62, 4 door, radio and heater, WSW, make offer. Haycock, Alb. 2-9656.
- WESTERN STYLE SADDLE and bridle, \$50. Ward, Alb. 6-9286 after 5:30 p.m.
- SPECIAL SCINTILLATOR, Model 117B P.R.I. Nelson, Alb. 3-9171.
- UPRIGHT FREEZER, 18 1/2 cu. ft., 604 lb. capacity. Swanson, Alb. 6-3693.
- 13 FT. BOAT and trailer, 7 1/2 h.p. Martin motor, \$225. Berlier, Ext. 26154.
- AUTOMATIC GAS water heater, 20 gal. capacity, \$25. Preist, Alb. 6-3115.
- MOTOR SCOOTER, Cushman Hibander Deluxe; GE dishwasher; Chambers gas range; Kelvinator refrigerator; fish, aquariums w/accessories. Pardo, 3131 Sierra Dr. NE.
- TROMBONE with case, \$30. Nielsen, Alb. 5-6497.
- PE 103 DYNAMOTOR, brand new, \$20. Stueber, Alb. 9-2414, after 5:30 p.m.
- REFRIGERATOR, 7 cu. ft., \$55. Quant, Alb. 6-9287.
- '55 CUSHMAN Pacemaker, recently overhauled, \$200. McKim, Alb. 9-5330, 10608 Woodland NE.
- '49 DODGE, 4 door, clean, heater, \$225. Swinney, Ext. 3-7239.

- MOTOROLA CAR RADIO, fits any auto; antenna and attachments, \$25. Asher, Alb. 2-6135.
- DETECTRON SCINTILLATOR, Model D-222, used 6 times, \$210. Baldwin oceanic blande spinet piano, \$700. MacDonald, Alb. 4-4241.
- '49 CHEVROLET (Deluxe), \$200. Kelly, Alb. 7-9835, 904 Wilmore Dr. SE.
- 3 BEDROOM HOME, 1 1/4 baths, brick walled, patio, hardwood floors, 4% GI loan, low down payment. Dollahan, Alb. 6-3784, 1032 SAN PEDRO SE.
- POODLE PUPS, AKC registered, brown or black, solid color, male or female, approximately 18 inches tall, \$75, terms considered. Buyers, Alb. 8-2106.
- BAMBOO CURTAINS, vertical w/traverse rod to fit Dell Lawrence living room, approximately 7'x16", \$12. Dawson, Alb. 9-4537.
- TWO WHEEL TRAILER, \$25. Morison, Alb. 9-5698.
- '54 WESTINGHOUSE LAUNDRAMAT, \$65. Scannell, Alb. 6-6078.
- '51 HARLEY-DAVIDSON-125, \$100. Henry, Alb. 9-0536.
- ELECTROLUX w/attachments but without hose, \$5; mahogany corner whatnot, \$2. Gardiner, Alb. 6-4121.
- CAR TOP CARRIER, \$10; G.E. 7 lb. iron & cord, \$4; two 5.25x16 tires & tubes, \$5. LeClair, Alb. 6-4121.
- 3 BR. HOUSE, 1 1/2 baths, forced air heat, air-conditioned, carpeting, new drapes, nicely landscaped, \$10,500. 2% down, GI. Springer, Alb. 9-5490.
- WHIZZER MOTOR BIKE, \$25; Weaver B-6 scope for .22 rifle, \$9 or trade for Weaver B-4 scope. Dr. Donaldson, Ext. 46233.
- TOY MANCHESTER PUPPY, 6 weeks old, AKC registered; perfect markings. Kelly, Alb. 6-4982.
- THREE PIECE rose beige sectional, \$400; maple dining table, six chairs, buffet, \$200; Drexel profile desk and chair, \$95. Barnes, Alb. 2-9317.
- OUTBOARD MOTOR, 5.5 h.p. Evinrude, new; 12 inch jig saw; Dachshund puppies w/papers. Calvey, Alb. 9-1804.
- JOHNSON ROTO-MATIC 10-20 beam complete. Also 45 foot Vesto 4-legged free standing tower, installation, operation instructions. Carmody, W5 OIA, Alb. 5-4459.

- HOFFMANTOWN clean 3-bedroom brick, 1 1/4 baths, carpeted & landscaped, near stores and future high school, original owner, \$13,500. Dreesen, Alb. 9-5590.
- CHIHUAHUA PUPPIES. Rutledge, Ext. 51205.
- 2 INNERSPRING MATTRESSES, twin size. Garcia, Alb. 5-3281 after 6.
- PHOTO ENLARGER, Testrite, and developing outfit; Westinghouse electric oven with pyrex baking dishes. Boisdon, Alb. 9-1937 after 5 p.m.
- FRENCH DOORS, w/screen doors to match & door frame complete, \$35; vega poles, 6" diameter, \$1.50 each; two book cases, \$5. Duns, Alb. 5-9213.
- GAS RANGE, apt. size, equipped with all extras, \$50. Oberst, Alb. 9-6644.
- '48 DODGE, 4-door sedan, radio, heater, hydramatic transmission. Will sell for \$115. Bright, Alb. 2-2360 after 6 p.m.
- PUPPIES, 6 weeks old, \$5 each; will make wonderful pets for children. Wade, Alb. 6-6555.
- DELL LAWRENCE resale, w/w tweed carpet, walls, landscaping; 15' living room, window faces south; 1500 sq. ft. liveable space. Middleditch, 2812 Vermont NE.
- BICYCLE, English racer, 26 inch, used. Jorgensen, Alb. 6-1110.
- BENDIX WASHER, Economat, \$35; air conditioner, evaporative type window mount, \$35. Short, Alb. 5-1757.
- IRRIGATION PUMP, self priming, 1 1/2 H.P.; cheap transportation with '50 Ramblor, one owner, clean, \$195. Minnear, Alb. 4-5419.
- '48 FORD four-door, \$225. Allen, 2813 Alvarado NE.
- G.E. AUTOMATIC WASHER, \$95; bed, box springs, mattress, chest, \$55; 3/4 roll-a-way bed, \$15. Johnson, Alb. 5-2762.
- GAS STOVE, white porcelain, \$40 or best offer. Litz, Alb. 9-2886.
- GUITAR, "Stella" w/extra set of strings, \$20. Siegrist, Alb. 9-3088.
- LIONEL ELECTRIC freight train, 8' track and double transformer, \$25. Novogradski, Alb. 6-7965 after 5:30 p.m., 3508 Thabon Ave. SE.
- JUICEX, electric vegetable juicer (not a blender). Waldorf, Alb. 3-0589.

- MOTOR SCOOTER, Zundapp Combinette, new, 165 miles p/g, ridden less than 30 miles, \$150 or terms. Langston, Alb. 6-9327.
- '49 FORD, 6-cylinder, \$225. Ward, Alb. 5-6071 after 5:30 p.m.
- UPRIGHT FREEZER, Gibson, 18 cu. ft. '56 model, \$295 total price. Hammond, Alb. 6-4046 after 6 p.m.
- '21" TV, Muntz console, maple w/indoor and outdoor antenna, 9 months old, \$130. Bartolucci, Alb. 4-0118 after 6 p.m.
- DELUXE IRONER, Speed Queen. Sandin, Ext. 49247.
- GASOLINE MOWER, 2 H.P., \$50, or trade for .38 revolver. Cacy, Alb. 4-5543.
- '49 FORD COUPE, R&H, \$175. Cooper, Ext. 23144, 8703 Fairbanks Rd. NE.
- FLOOR POLISHER, Johnson's Wax brand, \$20. Atler, Alb. 2-9352.
- SADDLE, handmade by Fallis Saddlery, genuine Monty Foreman balanced ride, used once, only \$150. Mahar, Alb. 5-0960.
- TYPEWRITER, Royal portable, carrying case included, \$40 or best offer. Alberts, Ext. 37298.
- 2 BR. HOME w/attached garage, North Valley. Gabaldon, Alb. 4-0286.
- POWER LAWN MOWER, 18", Briggs-Stratton motor. Johannesen, Alb. 6-9113.
- '48 JEEP, \$400, or will trade on a 15 foot camp trailer; baby play pen, \$10. Davis, Alb. 9-0770.
- WHEELBARROW, heavy duty rubber-tired, \$30; propane torch w/extra cylinder, \$5; 36 pound machinist's vise, \$18. Schiess, Alb. 5-3252.
- COLLIE PUPPIES, AKC championship stock, born April 2. Priced from \$35 to \$65. Daniel, Alb. 5-6484, 5905 Constitution Ave. NE.
- '53 PONTIAC CHIEFTAIN, one owner, R&H, hydramatic, white wall tires. Pine, Alb. 6-3707 after 6 p.m.
- '56 FORD RANCHWAGON, Thunderbird engine, 225 H.P., all accessories. Priced to sell. Thacker or Batsel, Alb. 8-1763, 405 N. Adams.

FOR RENT

UNFURNISHED APARTMENT, 2 bedroom, close to bases, \$100 month w/utilities furnished. Harrison, Alb. 8-2187 after 5 or Sat.-Sun., 344 Tennessee NE.

2 BEDROOM unfurnished house, close to schools, bus & shopping; vacant May 1, \$70, water paid. Spradling, Alb. 4-5956 after 5:30 p.m. 7437 Prospect NE.

ROOM, pleasant, quiet, near bus, gentleman preferred. Siegrist, Alb. 9-3088.

PINK ADOBE HOUSE, 2 bedrooms, stove, refrigerator, wall-enclosed front terrace, near Bandelier School, \$85/monthly. Jones, Alb. 5-3390 after 5 p.m.

WANTED

WESTERN SADDLE, child's size, Alb. Ext. 4-2250.

GERMAN BEER STEINS, will pay cash or trade .38 caliber revolver. Smitha, Alb. 9-1096, 8607 Manual NE.

TO TRADE complete camping equipment for food freezer; pay difference or what have you? Chavez, Alb. 5-5461.

WHEELBARROW, heavy duty; bench vise. Ashmore, Alb. 6-8304.

TO TAKE CARE of one or two children in or near base. Aberg, Alb. 5-1340, 245 Wyoming SE.

LADY TO CARE for child and ill wife, 3 p.m. to 9 p.m., no housework, \$15 per week. Rodocovich, Alb. 9-3123.

2 CHESTS OF DRAWERS in good condition. Chesney, Ext. 3-7283 after 5:30 p.m.

HOMES FOR KITTENS, 3 males; two are gray striped twins, one coal black. Vivion, Alb. 9-1785.

TRUCK LOAD of short lumber or timber suitable for fire wood, delivered to University area. Hill, Alb. 3-3493.

LOST AND FOUND

LOST—Glasses with brown rim, mother of pearl expansion bracket, safety glasses, keys on shower ring, scribe leg, scarf with dancing girls, keys with letter A, brown leather key case, keys on wire colored glasses in brown case, blue earring, blue wallet with ID, turquoise ring, brown bill-fold with ID, security keys on safety pin, earring with stone setting, wedding and engagement rings, bronze bone deer head cuff link, brown key case, keys on ring, 2 keys on chain with 424. LOST AND FOUND, Ext. 26149.

FOUND—Gold tie clasp, Albuquerque National Bank book, Sigma Tau tie tack, Japanese earring, Renoir copper earring, pink plastic earrings. LOST AND FOUND, Ext. 26149.

SUPERVISORY APPOINTMENTS

LEE F. PARMAN to supervisor of Technical Information Division 7223, Staff Administrative Service Department.



Lee has been with the Corporation since March, 1952, and in September, 1954, he became supervisor of Reports Section 7223-1.

Prior to his employment here, Lee taught writing for five and one-half years at the State University of Iowa.

He holds PhD and Master's degrees in English from the University of Iowa and a Bachelor's degree in Mathematics from Iowa State Teachers College. He has also studied Engineering at the State University of Iowa.

Lee is a member of the Society of Technical Writers.

DANIEL B. AYCOCK, JR. to supervisor of Group II Distribution and Library Section 2461-1, Classified Document Division.

"Dan" has been with the Corporation six and one-half years, first in the security force, then in program administration and more recently in production control.



Prior to employment here he was in the insurance business in Jonesboro, Ark., for a year.

Dan has a Bachelor's degree in Business Administration from Arkansas State College and later attended pre-med school at Mississippi State College for a year and a half.

During World War II Dan served three years in the Navy Air Force.

RUSSELL L. MAXWELL to supervisor of Section 1473-2, Advanced Development Division.



He has been working on timers in the same division during his four and one-half years at Sandia.

Before coming to Albuquerque, Russell was for one and a half years with the Convair plant in Fort Worth where he worked on aircraft design and aircraft accessories.

He earned a BS degree in Electrical Engineering at Colorado A. & M.

From 1945-47 he served two years in the Army as an automotive mechanic in Japan and Okinawa.

Russell is a member of Sigma Tau, Engineering honorary, and is a registered professional engineer in New Mexico.

M. E. OLIVER to supervisor of Section 1821-2, Project Division, Livermore Branch of Sandia Corporation.

During his four years with Sandia "Mat" has worked mainly in design and development project groups.



He has a Bachelor's degree in Applied Science from Chico State College, Chico, Calif., and a Bachelor's degree in Mechanical Engineering from Washington State at Pullman, Wash. He is a member of Pi Epsilon Sigma, Engineering honorary.

Mat previously worked one year for the U. S. Bureau of Reclamation at Redding, Calif.

During World War II he served three years in the Navy with the amphibious forces in the South Pacific.

EINAR V. FORSMAN to supervisor of Battery Development Section 1461-1, Electro Chemical Development Department.



He has been in battery development work his entire four years with the Corporation.

Immediately prior Einar was working on his Bachelor's degree in Mechanical Engineering at the University of Washington.

During one summer vacation he did design work for Boeing Aircraft in Seattle.

Einar served two years in the U. S. Navy as a signalman, most of the time on loan to a Norwegian merchant ship in the South Pacific.

He is a member of Phi Beta Kappa, scholastic honorary; Tau Beta Pi, engineering honorary; Sigma Xi, science honorary; and the American Society of Mechanical Engineers.

A. W. REGER to supervisor of Operations Division B III, 7323, Operations Department B.

"Woody" has been with the Corporation since June, 1951, and was in organization 1280 until about a year ago.



He spent five years as an assistant professor of Engineering at various schools: University of New Mexico, North Carolina State College, University of Arizona, Georgia Tech and Texas Tech.

Woody obtained both his Master's and Bachelor's degrees in Mechanical Engineering at the University of West Virginia.

He served as a Lieutenant, Junior Grade, in the Navy.

WILLIAM F. CARSTENS to supervisor of Reports Section 7223-1, Technical Information Division.



Bill has worked in the same division since he came to Sandia in February, 1955.

He previously taught Technical Writing and English Literature for nine years at the State University of Iowa. Bill received his PhD and Bachelor's degrees in English from the same school. Earlier he majored in Speech at Iowa State Teachers College. He is a member of Theta Alpha Phi, dramatics honorary fraternity.

During World War II Bill spent four and one-half years in the Army. He served in England and France and after the war remained in Germany in U. S. Military Government work.

H. CLYDE WALKER to supervisor of Section 1822-3, Electric Design and Testing Division, Livermore Branch of Sandia Corporation.



Clyde has been with the Corporation seven years, mainly in the field for test organizations.

He has a Bachelor's degree in Electrical Engineering from Oklahoma A. & M. College at Stillwater.

Clyde previously worked one year as an engineering aide at the U. S. Naval Ordnance Test Station, China Lake, Calif., and spent two years in Burtonwood, England, as a technician for the U. S. Air Force.

During World War II he served two years with the U. S. Navy.

He is a member of the Institute of Radio Engineers.

JACK STEIN to supervisor of Explosives and Pyrotechnics Development Section 1463-3, Electro Chemical Development Department.



Jack started with the Corporation four and one-half years ago as a mechanical engineer, he later changed to electro-mechanical development work.

Prior to moving to Albuquerque he was a year with Chance-Vought Aircraft Co. in Dallas as a tool liaison engineer.

Jack was five and one-half years with Allis-Chalmers in Milwaukee in their mining equipment department.

He holds a Bachelor's degree in Industrial Engineering from Pennsylvania State College and did advanced work in Mathematics at Illinois Institute of Technology.

He is a registered professional engineer in Wisconsin.

ELMER M. IRVING to supervisor of Program Control Division B, 2522, Programming Department.

Elmer has been in the Programming Department since he started with Sandia Corporation in Nov. 1950. He has been supervisor of Ancillary Equipment Section 2522-2 for the past five years.



For three years prior to moving to Albuquerque, Elmer operated a motel in Greeley, Colo. He owned a market in Pampa, Tex., previously.

Elmer served three and one-half years in the Air Force as a four-engine pilot on flights across the Atlantic.

He studied Petroleum Engineering at the University of Texas and Texas A. & M. and is working now on a degree in Business Administration at the University of New Mexico.

He is a member of the American Ordnance Association.

CECIL L. JOHNSON to supervisor of Operations Technical Division 7319, Operations Department A.



During Cecil's eight years at Sandia he has worked in engineering or in surveillance for field organizations.

His previous experience includes: a year with the Detroit consulting firm of Giffels and Vallet, which worked on Hanford and Oak Ridge projects; two years with General Electric on the Hanford project, in design and construction of plant expansion; and two years with General Engineering Co. of Seattle, working on design of electric systems for public works, industrial plants and commercial buildings.

Cecil received his BS in Electrical Engineering at Washington State College and then worked for a short period for the University of Washington Applied Physics Lab.

He is a member of the American Society for Quality Control and is a registered professional engineer in Washington and Michigan.

Tool Engineers Elect Sandians As Officers

Sandia Corporation employees recently elected officers of the Albuquerque Chapter of the American Society of Tool Engineers include Paul L. Stewart (2553-1), chairman; J. S. Reese (2553-1); membership committee head, and Leonard Nelson (2711-4), program chairman.



FIVE-YEAR SAFETY RECORD—Employees of Sandia Corporation's Salton Sea Test Base in California have compiled a record of five years of operation with no lost-time accidents. The record was set despite extensive work with heavy equipment, frequent use of marine equipment and thousands of miles driven on the Base and on public highways by Sandia trucks, busses and smaller vehicles.

Salton Sea Employees Earn Outstanding Safety Record

Salton Sea Test Base employees are proud possessors of a record which ranks high in the nation's field of safety endeavor.

They have worked five years with no disabling injuries.

During this time, long hours of work were put in with 20 pieces of heavy equipment such as drag

lines, cranes, tractors, fork lifts, turnpulls, road graders and numerous pieces of marine equipment.

Also during the five year period, 2,450,074 miles were driven by Salton Sea employees without disabling injuries. Of this total mileage, 910,281 miles were driven on public highways.

Three buses in use at Salton Sea transporting employees to and from work and carrying school children traveled 392,924 miles. Unscheduled taxi service accounted for 109,406 miles and the Base fire equipment was driven 30,236 miles. Ambulance mileage was 8,131.

These figures are for the period from Jan. 1, 1952, to Jan. 1, 1957, and were compiled by T. A. Sprink, Manager of Department 2480. As the Sandia Lab News goes to press the fine record continues.

"Sandia Corporation employees at Salton Sea Base have earned this fine record," Mr. Sprink says, "through their awareness of safety regulations, proper use of safety equipment provided them, and by the alertness and cooperation of Nurse Frances Voorhees, of the Salton Sea Medical organization."

Cigars from Grandpops

Employees in organization 2723-3 have started honoring "First Time Grandpas." In turn, Florian Rickert and Robert Schwartz both passed around cigars and candy last week in honor of their new grandchildren.

New Sub-Station To Provide Added Power for Area III

A new electrical sub-station to bring additional power into Sandia Corporation's Area III test facilities is anticipated to be completed in October, 1957. H. H. Pastorius (2442) announces.

Plans and specifications were issued recently by the Atomic Energy Commission and bids will be opened on May 16. A total of 120 calendar days will be allowed for construction once the contractor has been given the notice to proceed.

Cost of the project is estimated to range from \$90,000 to \$115,000. It will include construction of the building, installation of Government furnished equipment, construction of an overhead pole line, and underground ducting of distribution cable.

Power supply now available in Area III will soon be inadequate, Mr. Pastorius said. The new sub-station will provide for future expansion.