



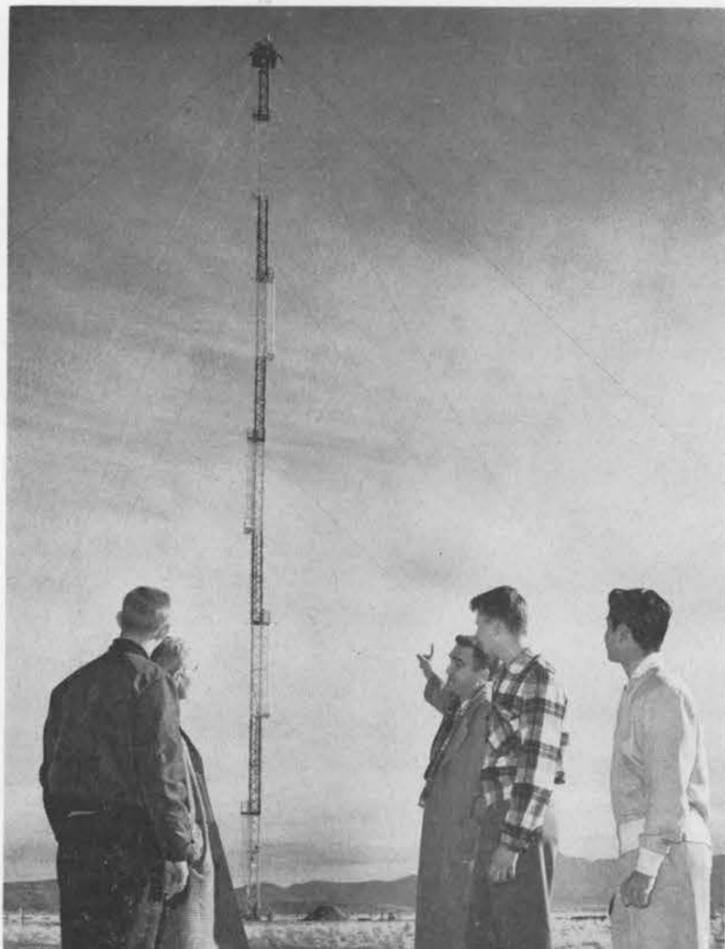
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Vol. 9, No. 2

ALBUQUERQUE, NEW MEXICO

January 25, 1957

U.S. to Launch Nevada Nuclear Tests This Spring



ENGINEERING STUDENTS from the University of New Mexico, UNM faculty members and Sandia Corporation representatives toured test facilities of Area III last week. Explaining the function of Sandia's 300-ft. Drop Tower above is Don Williams, 1611, third from left. L. to R. are J. D. Strode, student, Professor C. T. Grace, head of UNM mechanical engineering department, Williams, Jan Holt and Sostenes Suazo, both students. The majority of the students were members of the UNM student chapter of the American Society for Mechanical Engineers. The Albuquerque Chapter of ASME requested and sponsored the tour for the 42 students.

Microbarograph Articles By Jack Reed Appear In Two Magazines

An article by Jack Reed, of Sandia Corporation's Weapons Effects Department, appears in current issues of two magazines, *Weatherwise* and *New Mexico Professional Engineer*.

"Weather Determines Blast Predictions for Atom Tests" describes Sandia Corporation microbarograph activities at the Nevada Test Site and during Operation Redwing in the Pacific.

Jack began his meteorological career as a weather officer in the Air Corps during World War II. He graduated from the University of New Mexico in 1948 with a BS degree in mathematics and started to work for Sandia the same month.

Lost a Watch? Pen? They May Be Held by Employee Services

Lost something of value on Sandia Base lately?

Roseanne Bascom, who has quite a collection of lost items turned in to Employee Services, says she has several valuable items at the present time at the lost and found desk in Bldg. 829.

Included are a pair of ladies glasses with clear frames turned in Nov. 23, a man's Delgard wrist watch with black suede strap which was found Dec. 6, and a black Sheaffer fountain pen with gold trim, added to the collection of lost items on Dec. 26.

Persons finding lost items may pick up unclaimed articles after three months.

Call Roseanne at 26149 if one of these items might belong to you.

Year of Perfect Attendance Brings Commendations to Sandians in 2100

Sixteen employees of the 2100 organization are wearing proud grins after receiving letters of commendation from Superintendent Jack Hansen for their perfect attendance records during the year 1956.

They were on hand and on time for every regular work shift except for scheduled vacations, missing no days for sickness or other personal reasons.

The group consisted of: Procopio Lopez 2112-3, Malcolm S. Price,

retired Dec. 31 from 2112-3, William E. Myers 2121-1, Harry A. Gelwicks 2121-2, James Dickie 2121-2, Harold W. MacGregor 2124-2, Samuel C. Waldorf 2124-4, Gerald E. Hannan 2131-2.

Peter G. Rosoppo 2154-1, Lawrence J. Bowen 2154-1, Ralph W. Griffin 2152-1, William R. Parker 2152-2, Marcus M. Herrera 2153-1, Benjamin F. Stricker 2152-1, Niveo S. Fisher 2152-3, Eustaquio Rael 2152-2, and William H. Seelbach 2151-1.

New Auto Decals to Be Issued March 12-14 in Sandia Tech Area

New Sandia Base decals will be issued Sandia Corporation personnel Mar. 12-14, Employee Services, 3120, reports. Registration will be held at several locations in the Corporation area for employees' convenience. It will not be necessary to go to the Provost Marshal's Office. Complete details of registration procedure will be available in a future issue of the Sandia Lab News.

To Install Air Coolers In AEC Dormitories

Residents of two dormitories used by Sandia Corporation and AEC employees on Sandia Base may look forward to a cool, comfortable summer.

Bids will be received Feb. 14 for the installation of evaporative coolers, duct work and other minor modifications for both the men's and women's dormitories.

Each floor of the two buildings will be equipped with an evaporative cooler and ducts will be installed to direct the air to each room. The ducts will run above the hallways and will be concealed by false ceilings.

Estimated cost of the job is \$22,000 to \$26,000.

Army Ordnance Chief Will Speak at AOA Meet Tuesday, Jan. 29

The Albuquerque Post of the American Ordnance Association will meet Tuesday, Jan. 29, at the Coronado Club. Lt. Gen. E. L. Cummings, Chief, Army Ordnance Department, will be speaker for the occasion. The meeting starts at 6:30 p.m. Dinner will be served at 7:15.

Admission will be \$3 per person. Reservations may be secured by phoning W. M. O'Neill, 5530, ext. 44142, or S. L. McCammon, 2721, ext. 33254.

G. A. Fowler Speaks To AIIE Jan. 28

"A Balanced Diet for the Technical Man" will be the title of a talk by G. A. Fowler, Vice-President, Research, to be presented at the Jan. 28 meeting of the Albuquerque Area Chapter of the American Institute of Industrial Engineers.

Mr. Fowler will discuss the proper combination of job characteristics necessary for motivation of technical personnel.

The meeting will begin at 7:30 p.m. at Reddy's Rendezvous, 5th and Silver, downtown. Anyone interested in attending is cordially invited, Al Kaping, 2514, secretary, reports.

Sandia Scientists Will Again Take Key Positions in Series

A series of low-yield nuclear tests will be conducted this year at the AEC's Nevada Test Site beginning in the late spring, the AEC announced today.

Tests of high-yield devices are not conducted in Nevada.

Sandia Corporation personnel will take part in these tests as they have in past Nevada tests. The series is being conducted with the cooperation of the Department of Defense.

Donald B. Shuster, manager of Sandia Corporation's Full Scale

of various weapons and experimental devices in the event of accidents such as fires during handling and storage. These safety tests will occur intermittently throughout the year.

Following standard practice in connection with U.S. nuclear tests, announcement is being made well in advance of the start of the series. The AEC said news media representatives will be admitted to witness some tests and a limited number of civil defense observers will be present.

Test Personnel

As in the past, the Test Organization includes persons assigned by other AEC and contractor installations; by the Armed Forces and their laboratories and contractors; by the Federal Civil Defense Administration, U.S. Public Health Service, U.S. Weather Bureau, and by educational, industrial and research establishments.

James E. Reeves, Director of the Test Division in the AEC's Albuquerque Operations Office, will be Test Manager. Dr. Alvin C. Graves, Director of the Test Division of Los Alamos Scientific Laboratory, will serve as Chairman of the Advisory Committee and has been serving as Chairman of the Nevada Test Organization Planning Board.

William W. Allaire will be Deputy Manager and also AEC Support Director. He will serve as Test Manager during the absence of Mr. Reeves. Max Smith, Manager of the AEC's Las Vegas Branch, will serve as Assistant Support Director.

Military Deputy

Colonel Hershell E. Parsons, Deputy Chief of Staff, Weapons Effects Tests, Field Command, Armed Forces Special Weapons Project, Sandia Base, will serve as Military Deputy to Mr. Reeves.

Dr. Gerald W. Johnson of the University of California Radiation Laboratory at Livermore will administer technical programs and operations as Test Director. Colonel Paul R. Wignall will direct the Air Support Group which will furnish all military air support for the test series.

Harold L. Goodwin, Director of Atomic Test Operations for the Federal Civil Defense Administration, will direct FCDA operations during the series.

Technical program directors, in addition to Sandia's J. H. Scott, will be Dr. J. C. Clark for LASL weapons development experiments; Dr. H. S. Keller for UCRL weapons development; Colonel K. D. Coleman, AFSWP, for military effects; and R. L. Corsbie, of the AEC's Division of Biology and Medicine, civil defense effects including those of FCDA.

E. L. Deeter Elected ISA Vice-President

E. L. Deeter, Electronic Test Equipment Department Manager, 1440, was recently elected vice-president of District VIII of the Instrument Society of America. He will serve on the national organization's executive board. Mr. Deeter helped organize the Albuquerque section of ISA and served two years as its president.



J. H. Scott

D. B. Shuster

Test Department, 5230, will serve as associate test director. Mr. Shuster has taken part in test series in Nevada and the Pacific since 1952.

James H. Scott, supervisor of Sandia Corporation's Full-Scale Test Division I, will be the technical program director of effects measurements and recording.

Varying numbers of Sandia Corporation employees will be at the test site during the program.

Seek Defense Knowledge

The aim of this program of Nevada tests is to attain new knowledge important to the defense of the United States and the Free World, which must be maintained pending ultimate attainment of international agreement on safeguarded disarmament.

The development of weapons for defense against attack is a major objective. Studies of weapons effects will also be continued in order to improve military and civil defense against nuclear attack. The Federal Civil Defense Administration will participate in the series.

An extensive radiation monitoring network will again be used during the series. About 12 monitoring teams supplied by the U.S. Public Health Service will be stationed in communities near the test site. In addition, the U.S. Public Health Service network of monitors in about 40 cities across the nation, established prior to the last Eniwetok test series in the spring of 1956, will be in operation.

Radiological monitoring will be continued at 12 AEC installations including Sandia Laboratory. About 100 U.S. Weather Bureau stations will cooperate in this program.

"Operation Plumbbob"

The 1957 test series will be called "Operation Plumbbob." When finally established, the scheduled date for the beginning of the series will be announced. A termination date cannot be definitely announced at this time, the AEC said.

In addition to the series of nuclear tests, there will be further experiments at the Nevada Test Site similar to those announced in October, 1955, related to the safety



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Office: Room 10, Bldg. 829, Employee Services

Cherry Fellner, Don Graham, Assistant Editors Robert S. Gillespie, Editor



F. P. Means Dies; Was AEC Employee

Frank P. Means, an AEC employee for 10 years, died of a heart attack Jan. 14 at the age of 71.

He came to Albuquerque six years ago from Los Alamos and has been with the AEC shipment security branch at Sandia.



F. P. Means

Frank had lived in New Mexico 51 years and was among the first homesteaders in the Estancia Valley.

Survivors include his widow, a son, John, in Albuquerque, a granddaughter, a brother and three sisters.

L. C. Badgley Dies Of Heart Attack

Laurie C. Badgley, a Corporation employee for two and one-half years, died Jan. 20 at Livermore at the age of 63. He had suffered a heart attack.



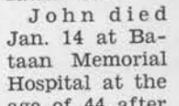
L. C. Badgley

Laurie started with the Corporation in organization 7400. He transferred to division 1831 at the Livermore Branch last November.

Survivors include his wife and two children.

John A. McPhate Dies After Illness Of One Month

Sympathy is extended to Eleanor McPhate, 4131, for the death of her husband, John A. McPhate, Jr., an electrical engineer in Organization 5521.



J. A. McPhate

John died Jan. 14 at Bataan Memorial Hospital at the age of 44 after an illness of one month.

Organizations 5510 and 5520 collected more than \$100 to be donated to the Cancer Fund in his memory.

He had been employed by Sandia Corporation since Oct., 1951. Other survivors include his father, a brother and a sister.

Sympathy

To Gertrude Butler, 5211, for the death of her mother in Albuquerque on Dec. 22.

To Viola Maestas, 2461-2, for the death of her brother in Albuquerque on Jan. 10.

To Christine Baca, 2320, for the death of her mother in Belen on Jan. 21.

Jet Pilot Graduate

Al Gruer, 5210, and his family returned last Sunday after a three-day 1800-mile trip by car to see son, Allan L. Gruer, graduate as an Air Force jet fighter pilot.

Wings were handed out to 68 students during the ceremonies Jan. 18 at Laughlin AFB, Tex., and then an air demonstration by 50 to 60 jet planes was presented.

Lieutenant Gruer will instruct flying at Laredo, Tex., after attending basic instruction school at Selma, Ala. for three months.

Help for Wayward Pups

The households of Mary Snodgrass, 5521, and Shirley Coleman, 5522, are lively these days with the recent addition of new puppies. However, Dorothy Matlack, 2464, claims a hobby that is a bit unusual. Dorothy and her daughter, Sherry, rescue stray animals—to date six dogs and one cat in the Albuquerque area.

If they are unsuccessful in finding the owner of the pet, the dog or cat is taken to the Animal Shelter.

Smart Gal

Margery and Carl Endres, 5125 and 1613 respectively, are mighty proud of daughter Margery. She was recently initiated into Pi Lambda Theta, educational honorary, at the University of New Mexico where she is a junior.

South of the Border

"Cap" Carmody, 2223, and his wife have returned from a shake-down cruise on their new boat at Guaymas, Mexico. While there they took E. W. Peirce, 3120, and his family for a trial spin and the men tried their luck at fishing.

Welcome Newcomers

Jan. 7 thru Jan. 19

Table listing newcomers from various states including Albuquerque, California, Connecticut, Georgia, Indiana, Kansas, Louisiana, Nevada, New Mexico, Ohio, Texas, and Washington.

Sandianotes . . .

Heart-in-Mouth Experience Spices Flying Instruction for Joe Hankins

If Joe Hankins, 5124, continues his flying lessons it will be purely an instance of determination over heart-in-the-mouth feeling.

Joe and his instructor recently were flying a two-place Taylor craft plane on a cross-country flight. About 10 miles south of Las Vegas, N. M., they were flying about 200 feet above a canyon and suddenly realized the plane was almost standing still.

Although their speed was 75 miles per hour they had encountered a 70 mph headwind. They tried to gain altitude but the plane wouldn't climb an inch.

Joe said they truly held their breath while the airplane slowly crossed the canyon.

Bags 25-Pound Goose

It was a silly goose that crossed the path of 14-year-old Bill Quillin. The lad shot down a 25-pound wild goose just south of Albuquerque the other Sunday morning.

Jim Quillin, 7311-3, who missed hunting that day, figures that his son is a pretty good shot.

Generosity of Sandians Noted

An "almost final" report on results of the recent appeal for funds to support the Hungarian Relief program through the American Red Cross reveals that Sandians again distinguished themselves by their generosity. Of the \$8,700 collected in Albuquerque, more than one third, or \$3,070, came from Sandia Base and Sandia Corporation employees.

According to the Base Red Cross office, 282 envelopes from Sandia Corporation people, plus group contributions of several organizations, amounted to \$1,185. An additional \$1,800 was collected from military and civilian employees of the Department of Defense on Sandia.

Attend Solar Symposium

C. A. Coonce, 5521, and R. A. Poe, 5533, were in Phoenix, Ariz., last week attending a Solar Furnace Symposium. Coonce was project engineer in the development of Sandia Corporation's Solar Furnace.

Snow Trap

The snowy ski slopes near Santa Fe proved too tricky for Evelyn Wallace, 7411. She's recovering from a broken ankle.

Returnees

Organization 5143 welcomes back Bruce L. Barth after an illness of several weeks.

W. T. Ryan, buyer in 2343, has returned to work on a part-time basis after recovery from major surgery in November.

New Member

The Robert Grays have added a new member to their family—little Cynthia Ann, born Jan. 13. Bob is in 2542-1.



IMPERIAL COUNTY SHERIFF's office in California received material assistance from the Salton Sea Security Division recently in apprehending two juveniles. Sandia Security Inspector Robert H. Hiltunen was notified while on duty at the Main Gate that two youths had shot and wounded the 83-year-old operator of Salton Sea Service Station, 18 miles north of SSB, during an attempted hold-up. Inspector David C. Werme (above) while on patrol found the youths in a phone booth at the intersection of Highway 99 and Salton Sea Base access road. Their pistol and shells had been discarded nearby. The youths were turned over to Sheriff's deputies by Werme.

Engagements

A California wedding is in view for Ann George of Clayton who has announced her engagement to Harvey Burch of Clovis.



Ann George

Ann has been in organization 7225 a year and is assigned to 7329. Her fiance is in the Navy. The couple plans to be married in late February.

Wedding bells will ring March 3 for one Sandia couple.

Jeanette Armstrong of Colorado Springs will marry James B. Wade of Melrose, N.M. Jeanette has been in 4153 a year and her fiance has been in 5224 since June, 1951.

The ceremony will be at 3:30 p.m. at the First Methodist Church in Albuquerque.

Congratulations

Born to:

Mr. and Mrs. George B. Bell, 1626-2, a son, Peter Eugene, on Jan. 4.

Mr. and Mrs. Gilbert McGuinness, 2713-4, a daughter, Karen Lynn, on Jan. 14.

Mr. and Mrs. LaVerne W. Lathrop, 2722-1, a daughter, Viola Anne, on Jan. 9.

Mr. and Mrs. Dennis L. Vath, 5523, a daughter, Linda Cheri, on Dec. 7.

Mr. and Mrs. David T. Judd, 1612-1, a daughter, Jasandra Gay, on Jan. 13.

14th Anniversary

Fred F. Gonzales, 2711, and his wife will observe their 14th wedding anniversary tomorrow.

Sick Report

Members of 2711 wish a speedy recovery to Victor Gabaldon and James Hice, who are ill, and welcome back James Holliday.

Congratulations

Woody Bledsoe, 5120, and his wife will observe their 13th wedding anniversary Tuesday.



SANTA CLAUS Ray Alls, 1432, still maintains that he normally doesn't frighten small children, but this holiday shot at Salton Sea's San Felipe Lodge proves otherwise. The visitor from Albuquerque was sufficiently unknown to Salton Sea youngsters to successfully play St. Nick. The community group, with the cooperation of T. A. Sprink, 2480, and his

organization, met its first major entertainment task in presentation of the children's Christmas party. Nearly a hundred persons attended the event which included gifts for all. Sandia children, who lined up to see Santa, were L to R: Spencer Moody, Wayne Pickens, Jimmy Schnarr and unhappy Mark Barber. San Felipe Lodge was the scene of the happy event.

Four Sandia Scientists to Be On Metals Conference Program

A two-day technical conference on "Heat Tolerance Metals for Aerodynamic Applications" will be held in Albuquerque Monday and Tuesday Jan. 28-29. The conference is to be sponsored by the Albuquerque Chapter and the Los Alamos Chapter of the American Society for Metals and the University of New Mexico.

The meeting will feature papers on metals subjected to aerodynamic heating. Outstanding scientists in the fields of metals, aircraft, weapons and education will participate.

Ken Helmstadter, 1621-4, ASM publicity chairman, expects 300 persons to attend.

Four Sandians will participate on the program. J. W. McRae, Sandia Corporation President, will introduce one of the technical sessions. Paul W. Rowe, supervisor of Analytical Aerodynamics Division, 5141, will present a paper on the subject, "Problems Relating to the Need for Heat Tolerant Materials in Aerodynamic Applications."

R. S. Lemm, 2130, will be chairman of the first technical session.

J. R. Townsend, Director of Materials and Standards, 1600, will close the conference with a conference review, summary and evaluation.

Other speakers include Tom L. Popejoy, President of UNM; Mr. Donald S. Clark, ASM national director, Los Alamos Scientific Laboratory; and Brig. Gen. W. M. Canterbury, Commander of the Air Force Special Weapon Command.

The Symposium will be held in the Student Union Building, UNM.

Registration information and copies of the program are available from A. W. Porter, 2112, ASM Albuquerque Chapter treasurer, ext. 31156. Doug Grobecker, 1621, is conference chairman.



J. W. McRae



J. R. Townsend



R. S. Lemm



P. W. Rowe

Free Dance, Bridge Lessons Close Month At Coronado Club

A free dance and free bridge instruction close out the month's activities at the Coronado Club, with an informal dance, team dance and western dance scheduled for the first week in February.

Tomorrow night the MBC trio will play for a dance, free to members, from 9 to 1. Guest admission is 50c. The last night in the January free bridge instruction series is Monday, Jan. 28 at 8 p.m. in La Cana Room.

For the first week in February, Ray Giles and his orchestra will play for an informal dance Feb. 2. A juke box teen dance is scheduled for Feb. 8 and Doc Savage will play for a Western Dance on the night of Feb. 9.

AIEE to Hear District V-P at Jan. 31 Meet

The Albuquerque Chapter of the American Institute of Engineers will meet Thursday, Jan. 31, at 8 p.m. in Rm. 201 of the Electrical Engineering Building, University of New Mexico, Jack Barber, 1611, secretary, announces.

Featured speaker will be Norman F. Rode, professor of electrical engineering, Texas A&M and Southwestern District vice-president of the AIEE.

Machine Accountants Group Names Sandians To Officer Positions

Three Sandians and one AEC employee were elected officers of the newly organized Central New Mexico Machine Accountants Association. Don Leman, AEC, was named vice-president and Lavon Burrell, 4114, treasurer.

Carter Howard, 4135, and Frank Lucero, 7224, were elected to the Board of Directors.

The organization's membership is composed of supervisory and managerial personnel utilizing punched card and electronic data processing units. Next meeting of the chapter is scheduled for Tuesday, Feb. 19, at 7:30 p.m. in Reddy's Rendezvous, 5th and Silver, downtown.

Professional Engineers To Elect New Officers

A two-part program is scheduled for the Jan. 28 meeting of the New Mexico Society of Professional Engineers, A. B. Metzger, 3210, reports. Election of officers for the coming term will be the first order of business followed by an address by Francis Burton, Albuquerque Traffic Engineer.

"The Albuquerque Traffic Problem" will be Mr. Burton's subject. The meeting will begin at 7 p.m. in the La Placita Dining Rooms at Old Town Plaza.

Andrew Moller Retires Feb. 1

Andrew Moller, 2419, will retire Feb. 1 after more than five years with Sandia Corporation.



Andrew Moller

He came to Albuquerque with his family after 57 years in Tode County, Minnesota, and it was quite a change! Andrew says he doesn't miss the sub-zero weather that is usual this time of year in Minnesota but he still likes to return there on vacations to fish in the many, many lakes.

Andrew lives at 219 Jefferson NE with his wife. They also have a daughter, Evelyn, whose husband, Mark Forster, works for the Corporation in 2121, and one grandchild.

Ted Sherwin Named New President of State PR Conference

The New Mexico Public Relations Conference elected Ted B. Sherwin of Sandia Corporation as its new president during a meeting in El Paso Jan. 19.

He is supervisor of Public Relations Division 3125 and has been at Sandia since May, 1949.

Other newly-elected officials include Ruth Bush Jones, U. S. Forest Service, Albuquerque, secretary-treasurer, and Bill Saffold, Kennecott Copper Corp., Hurley, first vice-president.



PERSONAL INTEREST in the January March of Dimes campaign is shown by two Sandians who know first-hand the services of the National Foundation for Infantile Paralysis. Harvey Ivey, 5241, is still recovering from the effects of polio and the wife of John Risse, 1282, (right) was stricken. The fund drive will officially end Jan. 31st with the annual house-to-house "Mothers' March."

March of Dimes Drive Gets Enthusiastic Sandia Support

The 1957 March of Dimes campaign is receiving enthusiastic support from several Sandians who know from personal experience the activities of the National Foundation for Infantile Paralysis.

Everyone Benefits

Actually every person directly benefits from the services of this Foundation through its research activities, which aided in development of the Salk vaccine.

Harvey Ivey, 5241, who was stricken by infantile paralysis in Sept., 1952, recalled the immediate action of the Foundation in offering its services and facilities. He said, "They even contacted my parents to offer help before I had a chance to tell them what had happened."

Harvey started work for the Corporation last August after attending the University of New Mexico off and on for the past two and one-half years. He must use crutches and braces.

Needed Foundation's Help

"We would have been lost without the Foundation's help," was John Risse's statement. A newcomer to Sandia, John started in 1282 this month. New Mexico's dry climate was instrumental in his moving here from Davenport, Iowa. John's wife Rosalie suffered a polio attack in Sept., 1955, and she is still paralyzed from the neck down. It's easier for her to breathe when the air is dry since she needed a chest respirator until six weeks ago—which is also when she left the hospital for the first time.

"Finish The Job"

The March of Dimes slogan this year is "Let's Finish the Job." It refers to intensive research to acquire new scientific knowledge of ways to overcome human disabilities and to further determine the causes of polio. The slogan also encourages use of the Salk vaccine by adults as well as children. Care for those already stricken is an unending job of the Foundation.

Al Fite, 1247, is serving as chairman of the Bernalillo County Chapter of the National Foundation for Infantile Paralysis.

Activities planned for the campaign include an entertainment show at St. Vincent's auditorium tonight in which the "Lads of Enchantment" will participate. Sandia singers in the group are Gil Wallace 2553, Ben Aycock 2224, and Don Pitts 2552.

On Jan. 31 the annual "Mothers' March" will be held on Sandia Base and throughout Albuquerque.

Famed Concert Pianist Will Appear With Civic Symphony Feb. 8

Albuquerque music lovers will be treated next month to a concert by Claudio Arrau, described by German critics as a "pianistic miracle."

The Argentine-born musician will be accompanied by the Albuquerque Civic Symphony in a program at Carlisle Gym the evening of Feb. 8. The program will include selections by Weber and Beethoven as well as the featured work, Hindemith's Symphonic Metamorphosis on Themes of Von Weber.

Tickets are available at any Albuquerque music store.

Members of the Civic Symphony board include Howard T. Stump, 3152-1, Chairman, and Kimball Prince, 6000. Charles Runyan, 2120, is also active in the organization.

Arthritis Campaign Extended to Feb. 20

Fund-raising campaign of the New Mexico Chapter of Arthritis and Rheumatism Foundation has been extended through Feb. 20.

Money raised in the drive will be used to help support the clinic held weekly at the Bernalillo County Indian Hospital where medical care, drugs and physical therapy are administered patients suffering from this disease.

National statistics show that 11 million people in the U. S. suffer from some form of arthritis or rheumatism. It is the nation's number one crippling disease.

Contributions should be mailed now to Arthritis, P. O. Box, 8022, Albuquerque.

Mountain Club Hikes Jan. 27

The New Mexico Mountain Club plans a hike in the Rio Grande valley and a rock climb Sunday, Jan. 27, Dick Martindell, 1422, reports. The group will visit the Coronado State Monument and Jemez Canyon dam. Anyone interested in making the trip is invited to phone Dick at ext. 47154.

Life Insurance on Credit Loans Goes Into Effect Feb. 1

Life insurance covering borrowers of the Sandia Corporation Federal Credit Union will be in effect Feb. 1, Robert J. Blount, 4151, Credit Union president, announces. The insurance, furnished at no cost to the borrower, will cover the unpaid balance of the loan in the event of a borrower's death.

"In other words," Mr. Blount said, "If one of our borrowers dies, his debt dies with him."

The insurance will apply to all loans in effect on Feb. 1 and will automatically apply to new loans as they are made. The insurance will apply to all types of loans, secured or unsecured.

The insurance is being purchased from the Travelers Insurance Company, Hartford, Conn.

Moving 3 Warehouses From KAFB to Sandia

Three metal Butler buildings are being moved from Kirtland Air Force Base to Sandia Base for use by Sandia Corporation.

One of the 36 by 60-foot buildings will be used as a sales center at the Sandia Corporation salvage yard. Another will be used in Area II as a warehouse and the third will be used as a warehouse in Area III.

The buildings, now on the west side of KAFB, will be dismantled and reassembled on Sandia Base with new foundations and floor slabs. Included in the project will be installation of lighting in all buildings, area flood lighting and 1600 linear feet of chain link fencing.

The contract was awarded to Frank Cronican of Albuquerque for \$34,795.

Service Awards



Val G. Black
1215
Jan. 31

TEN
YEAR
PIN

Five Year Pins

Jan. 25-31
Neal N. Rozell 2411, Gladys M. Boren 2464, Woodrow O. Lerke 7232, A. Lamar McKay, Jr. 4152, W. B. Norwood, Jr. 4122, Marvin L. Glaza 4122, Arthur G. Everett 7422.

Charles E. Ross 2232, Virgil A. Bailey 2723, Elmer C. Temple 2414, Earnest Yeager 7311, John W. Cooper 2711, Richard C. Jackson 7421, Preme Ulibarri 2223, Nonie E. Brooks 4135.

Mike A. Bucklin 2414, Henry W. Carrejo 2231, Ralph K. Fries 2533, Ernest L. Parker, Jr. 2463, L.roy R. Petersen 2111, Quirin F. Simon 7411, Leonard Glover 2412, and Max O. Watson 2112.

Feb. 1-7

F. R. Moon 2224, F. J. Given 5300, George Duke 1222, Joseph A. Gregory 7132, James H. Kelly 4121, Donald S. Pitts 2552, Delmar D. Poer 7316, Delmar L. Longmire 1611, Lane W. Peterson 7322.

Donald G. Sallee 7314, Howard D. Reed 1471, Leyndal G. Wilson 5511, Albert L. Wyer 7326, Barney J. Carr 1410, Albert F. Prokash 1631, Margaret V. Armijo 2461, Loren F. File 2151, Martell Wilkerson 6021.

Roxley E. Kent 5524, John F. Neuberger 1232, Sam T. Mancuso 3122, Cecil W. Mewhorter 2124, Vernon V. Pheils 7421, Marvin L. Barrett 4152, J. L. Collins 2331.

Reynal Garcia 2413, Edward C. Hirt 7322, Richard J. Callahan 7232, Santiago Chavez, Jr. 2231, Edward F. Hockett 5524, Abran Arellano 2418, Nell L. Dean 7241, and Steve Drago 2221.

Two Year Certificates

Jan. 25-31
Betty L. Mann 7225, Louis P. Baudoin 7412, James W. O'Brien, Sr. 7411, Donald R. Morrison 5121, Robert E. Quinlan 1471, R. J. Brousseau 1423, Lillian A. Gunckel 7225.

Feb. 1-7

N. A. Bourgeois, Jr. 1413, Elmer J. Roisum 2711, Joan Gilbert 7313, Ernest P. Wolff 7411, Robert E. McElderry 1421, Edgar F. Richardson 1443, John J. Driscoll 7123.

Simson D. Teisher 2552, Rose F. Cazier 7225, Richard S. Cook, Jr. 1831, George H. Smith 1221, Ruth E. McKenzie 2231, Alburta Stevens 3164, Barbara I. Bruner 7321, and Doris L. Guntrum 2712.

Supervisory Appointments

JOSEPH P. GAYNOR to supervisor of Programs Status Section 2224-1, Program Administration Division.

"Joe" came with the Corporation nearly four years ago and has been working in expediting, program administration and program coordination.

For two years prior he was in purchasing at the Western Electric plant in Allentown, Pa.

He also managed a service station in New Jersey for two years and was a navigator on New York-to-Europe flights for American Overseas Airlines for one year.

During World War II Joe was a navigator with the Air Transport Command for four years.

Before 1946 he worked three years as a claims supervisor and employment interviewer for the New Jersey State Employment Service.

LEON B. HOBBS to supervisor of SA Section, 2543-3, Power Devices and Specialties Division.

"Lon" has been with the Corporation four and one-half years and has worked in organization 2500 the entire time.

For three years previous he worked as a radio engineer at the Purdue broadcasting station while attending the university. He received a BS degree in Electrical Engineering there in 1952.

Lon was also a radio engineer and announced for a station in Atchison, Kans., for one year.

Prior to World War II he attended Central Radio and Television School in Kansas City and served three years in the Navy during the war, most of the time in the Pacific Theater.

HADLEY M. ROWE to supervisor of Janitor Service Section 2419-1, Plant Maintenance and Services Dept.

Hadley has worked in Carpentry and Painting Division, 2413, since he started with the Corporation

nearly five years ago. Previously he was general foreman for a constructing firm in Beverly Hills, Calif., working on large homes and industrial buildings.

He held a State Contractor's License in New Mexico for four years.

Hadley was educated in Albuquerque public schools then served his carpenter's apprenticeship.

Credit Union Votes 5½% Dividend at Annual Meeting

Interest of 5½ per cent on 1956 deposits in the Sandia Laboratory Federal Credit Union was voted by members during the annual Credit Union meeting last Wednesday.

Credit Union President Robert J. Blount, 4151, said that the interest will be credited to each depositor's account as of Jan. 23. The interest will not be paid in cash unless specially requested.

New board members elected during the meeting were Duane Hillard 4113, Ralph W. Whitson 5521, and John T. Dempsey 6021. Re-elected were David S. Tarbox 2440, Harold F. Gunn 3153, and Blount.

New committee members include Leonard H. Best 4122 and James H. Kelly 4113 on the supervisory committee and Earl G. Coffee, 1473, on the credit committee.

RANDALL C. MAYDEW to supervisor of Experimental Aerodynamics Division 5142.

In April Randall will have been with the Corporation five years working during that time in full scale field test, aerodynamics experiments and wind tunnel tests.

From 1949-52 he was with the National Advisory Committee for Aeronautics, Ames Aeronautical Laboratory, Moffett Field, Calif. There his field was supersonic wind tunnel testing and aerodynamic heating.

Randall holds Master's and Bachelor's degrees in Aeronautical Engineering from the University of Colorado and he also attended Kansas State College. He is a member of Pi Tau Sigma, mechanical engineering honorary.

During World War II he served three years in the Air Force as a B-29 navigator in the South Pacific.

ROBERT E. THOMPSON to supervisor of Production and Engineering Methods Section, 4111-1, Business Methods Department.

He started at Sandia in Sept., 1952, in Cost and Accounting Department, then was transferred to Business Methods Department and later served as a personnel representative in 3152.

Previous experience includes five years as an accountant for a lumber manufacturing concern in Eudora, Ark., and four years in partnership with his brother in a hardware and furniture business in Oak Grove, La.

"Bob" has a Bachelor's degree in Business Administration from the University of Arkansas and has been working toward his Master's at the University of New Mexico.

He is a member of Theta Alpha Psi, accounting honorary, and Beta Gamma Sigma, business honorary.

During World War II, Bob served four years in the Army, mainly in the South Pacific.

WOODROW W. BLEDSOE to manager of Systems Analysis Department, 5120.

"Woody" started work for Sandia Corporation three and one-half years ago. He was appointed supervisor of D Division, 5124, in June, 1955.

Immediately prior to coming to Albuquerque he was a lecturer in Mathematics at the University of California, Berkeley, while working on his PhD. Woody obtained his PhD and MS in Mathematics at the University of California and his BS at the University of Utah.

During World War II he served five years in the Army Corps of Engineers. While stationed with the Third Army in Europe he participated in naval operations in connection with crossing of the Rhine River.

Woody is a member of the American Mathematical Society and Sigma Xi, scientific honorary. Several of his papers have been published in Mathematical journals.

Educational Aids Extended to Many More Sandia Employees

University Night Meeting to Help Sandia Students

A "University Night" designed to assist Corporation employees in registration for courses in the spring semester at the University of New Mexico will be held Monday evening at 7:30 p.m. in the Coronado Club.

Dr. Harold O. Ried of the University's Extension Division will be on hand in addition to representatives of various UNM departments. After a general discussion of registration procedures for Feb. 1 and 2, smaller groups will be formed to discuss questions regarding requirements for undergraduate and graduate degrees.

"University Night" is expected to be of particular interest to all employees since Sandia's Educational Aids Program now allows 50 per cent tuition refund upon successful completion of job-related courses by any employee meeting college entrance requirements. In addition, a limited amount of time off the job is allowed for employees with junior standing or higher if desired courses are not available outside regular working hours.

Further details on this program are available from Frank Taylor, 3123, ext. 52161. Division 3123 also has UNM schedules and catalogs.

WILLIAM B. MARSH to supervisor of Project Division, 1812, Engineering Department at the Livermore Branch of Sandia Corporation.

He was hired by the Corporation as a staff member in 1231 in March, 1952, and worked later in 1261 and 1215. In Nov., 1954, Bill was appointed section supervisor of 1215-1 and later transferred to 1211-1. He has been at Livermore since Sept., 1955.

His previous employment experience includes three and one-half years as a test and research engineer with the American Gas Association, two years with Lennox Furnace Company, three years with Curtis Wright and two and one-half years as senior engineer with the Utility Appliance Corporation of Los Angeles.

He is a member of the New Mexico Society of Professional Engineers.

Bill received a BS degree in Aeronautical Engineering from the University of Michigan in 1936.

JAMES H. HOCKETT to supervisor of Publications and Records Depository Division 2464, Document Department.

"Jim" began working for Sandia Corporation in March, 1951, and was appointed supervisor of Record Depository and Document Investigation Section 2464-2 the following year.

He was previously an accounting manager for General Motors Acceptance Corporation in Albuquerque.

Jim has a Bachelor's degree in Economics from the College of St. Joseph, Albuquerque, and also attended law school at St. Louis University and Springfield (Ill.) Junior College.

For two years he served in the Navy Hospital Corps.

Schedule for Night Classes Announced by UNM Evening College

Spring semester starts at the University of New Mexico the first week in February with a full range of credit and non-credit courses offered in the Evening Community College as well as during the day.

Registration will be held Feb. 1 and 2 with instruction getting underway Feb. 4.

The university has cooperated with Sandia Corporation in offering many courses which employees requested in a survey last fall conducted by Staff Training and Education Division, 3123.

Evening classes for credit offered in the Community College include:

Business Administration

Business Statistics, Business Law, Marketing Research, Seminar in Marketing, Seminar in Industrial Management, and Legal Problems of Business Administration.

Accounting

Principles of Accounting, Intermediate Accounting, Advanced Cost Accounting.

Economics

Introduction to Economics, Money and Banking, History of Economic Thought, and Institutional Economics.

Chemistry

General Chemistry, General Chemistry Lab, Theoretical Organic Chemistry, Advanced Topics in Inorganic Chemistry.

Civil Engineering

Soil Mechanics and Foundation Design, Reinforced Concrete Design III, and Sewerage and Sewage Treatment.

Electrical Engineering

Fundamentals of Electric Circuits, Fundamentals of Electric Circuits Lab, Principles of Electronic Circuits I, Circuit Analysis.

Transmission Lines, Servomechanisms, Communication Theory, Network Synthesis, Antennas and Propagation, and Analog Computers.

Mechanical Engineering

Thermodynamics, Dynamics, Design Analysis, Mechanical Vibration, and Advanced Thermo I.

Mathematics

Intermediate Algebra, College Algebra, Plane Trigonometry, Plane Trigonometry Analytical Geometry and Calculus, Calculus and Analytical Geometry, and Introduction to Calculus II.

Mathematical Statistics, Numerical Mathematical Analysis, Advanced Calculus, Ordinary Differential Equations, Theory of Matrices, Theory of Functions of Complex Variable, and Advanced Topics in Analysis.

Physics

Introduction to Weather and Climate, General Physics, General Physics Lab, Electron Physics and Electronics Lab, Contemporary Physics, Electrodynamics, and Atom Structure.

In addition, 47 courses are offered on a non-credit basis, including such subjects as Basic Electricity and Electronics and Advanced Statistical Quality Control.

College of St. Joseph will have registration on Jan. 30 for 20 evening classes and 13 Saturday classes. Subjects offered include business administration, economics, chemistry, and physics.

Tech Directors Meet

The New Mexico Council of Technical and Scientific Societies Board of Directors will meet Monday, Feb. 4, Larry Snodgrass, 2543, president, reports. The meeting will be held at 7:30 p.m. in the Warehouse Building Conference Room, University of New Mexico.

The Corporation Educational Aids Program has been extended to cover an even greater number of employees — from college freshmen to PhD's. Formerly limited to employees holding at least a Bachelor's degree, the extended program offers 50 per cent tuition refund for courses successfully completed at an accredited university by any regular employee. The new program begins with the spring semester of 1957.

"The extended Educational Aids Program demonstrates the Corporation's continuing interest in the development of all employees," says Don Jenkins, supervisor of the Staff Training and Education Division, 3123, which administers the program.

For an employee to be eligible for the program, his proposed course or the degree sought must be job-related or related to a Corporation job to which he can logically aspire. His supervisor must approve the job-relatedness of the course and decide, in requests for time off the job, if the work load of the organization makes such time off advisable.

Time off the job may be granted for those taking graduate work as the offerings of the graduate school are limited in the hours outside of normal working hours. Up to five class hours per week plus a maximum of 2½ hours traveling time may be permitted by the supervisor for attendance at classes not available in the evening or Saturdays.

For those at the junior and senior level, a somewhat wider selection of courses is available in the evening.

For this reason, time off the job is permitted only at the beginning or end of the work day to attend classes not available outside of working hours. For freshmen and sophomore students time off is not necessary, as ample courses at these levels are available evenings or Saturdays.

College Classification

Normally a minimum of 60 to 65 credit hours toward a degree constitutes junior classification. Determination of junior standing will be made on the basis of transcripts of previous college work. Transcripts are to be submitted to the university involved and to Division 3123.

Tuition refund will be made to employees completing an approved course with the grade of "C" or better. Employees whose tuition expenses are being paid by veteran's educational assistance programs or scholarships are not eligible for tuition refund from the Corporation. Refunds made to employees by the Corporation may be considered by the government to be subject to personal income tax, according to the Corporation's General Attorney.

Increased Participation

The present Educational Aids Program has enrolled 170 Sandians — 163 from Albuquerque and seven from Livermore. About the same number of employees presently taking college work at their own expense will now be eligible for educational assistance from the Corporation.

"With this added boost from the Corporation," Don Jenkins says, "we expect to see at least 350 employees enrolled for the spring semester."

Supervisors throughout the Corporation will furnish additional details, and applications for admission to the program are available from Division 3123, extension 52161.

Meteorological Society Meets Wednesday, Jan. 30

The Albuquerque Chapter of the American Meteorological Society will meet Wednesday, Jan. 30, Jack Reed, 5111, chairman, reports. "Anomalous Propagation of Radar Signals," United States Air Force movie, will be shown at 7:30 p.m. in the Meteorology Department, Administration building, University of New Mexico.

Sandia Employees Give Help To YMCA Building Drive

A campaign to raise money for the renovation of the downtown YMCA building and to construct a new "Y" in the Northeast Heights is receiving the active support of a number of Sandia employees. The drive will get underway next week, with teams of solicitors contacting as many individuals as possible.

Serving as team captains for the campaign are Don Spatz 5232, Leyndal Wilson 5511, Charles Clendenin 5242, George Porter 3123, and Al Gruer 5210. Other Sandians have given generously of their time and service in planning the campaign, which has been under active consideration for the past two years.

The "Y" was built in 1915 at a time when the population of Albuquerque was less than one tenth the present 185,000. In order to catch up with the growth of the city and the needs of the youth-training program it is necessary to build new facilities immediately and do extensive renovation work on the old building.

No drive will be conducted within the Corporation work area but employees who wish to contribute money, or help in some other way may contact one of the team cap-

tains. Employees are reminded that this is not a duplication of the United Fund contributions to the "Y" because there is no provision for raising funds for building programs and other capital investments under the United Fund plan. Such contributions are used for current operating budgets only.

W. F. Carstens Speaks Before Iowa U Group On Technical Writing

"Technical Writing in Industry" will be discussed by William F. Carstens, 7223-2, at a meeting at the State University of Iowa today.

The speech will be before the Technical Writing and Business Writing classes of the university and will also be attended by members of the Iowa Technical Writers Society.

After describing the vocation of technical writing, Bill will go into a detailed discussion of the report writing course which he conducts with Lee Parman, 7223-1, at Sandia Corporation.



ADVOCATING the advantages of a carpool are these five members of a long-established pool. Each man drives his car one day each week and rides as a passenger the remaining four days—thus saving 80 per cent of normal car expense. They agree that sharing-the-ride saves money, decreases

driver fatigue and helps the traffic and parking situation. L. to R. are Jack Williams 1411, Larry Witt 5230, Tom Heaphy 7223, Tom Zudick 3125, and Art Enquist 1451. Anyone wishing to list a ride available or ride wanted is urged to phone Employee Services, 3122, Roseanne Bascom, ext. 26149.

ALO Promotes John McMaster In Reports Work

Promotion of John B. McMaster to chief of the Procedures and Reports Section, Organization and Management Branch, was announced recently by the AEC-ALO.



J. B. McMaster

He will coordinate the development of ALO operating instructions, administer the forms control and reports program, and supervise the preparation of all graphic and visual aids.

Mr. McMaster joined ALO in 1955 and will replace Julian J. Joyce, who recently transferred to AEC headquarters in Washington, D.C.

Two Teams Tied for First Place in Sandia Employees Basketball League

Sandia Corporation Ping Pong Tourney Starting Feb. 4

Starting date of the Sandia Employees Ping Pong Tournament is Feb. 4. Players within each superintendency will compete in doubles and singles competition.

Organizational winners will compete in final playoffs to determine the Sandia Corporation champions.

Anyone interested in entering the tournament should contact his organizational representative:

Org.	Name	Ext.
1200	C. L. Cossens	26251
1400	Ed Machin	47146
1600	M. L. Heisler	48132
2100	Charles Ritter	26243
2200	Jim Kelly	31153
2300	Betty Pickel	22157
2400	Carl Michael	47137
2500	T. A. Kelly	37132
2700	Jerry Alquin	31248
3100	Bob Garcia	51160
4100	Jack Renaud	25164
5100	S. M. McAlees	45244
5200	J. D. Bentin	37257
5500	R. D. Christopher	24136
6000	Employee Services	29157
7100	E. E. George	28264
7200	Bob Kelly	21151
7300	Employee Services	29157
7400	Roy Delt	31133

Teams 2400-I and 7200-I are in the lead of the Sandia Corporation Employees Basketball Association. Both have perfect records of five games won and none lost.

The 2400-I team recently defeated highly rated 2100 by the close count of 41-39. James Tichenor, 2461, was the high scorer with 16 points. High man for 2100 was Bruce Higgins, 2121, with 13 points.

Deliberate floor play and accurate shooting gave 7200-I the edge 37-36 in defeating 7400, the team rated by many for league honors. Bob Kelly, 7213, was high man with 11 points. Verle Swinney and James Volkman, both of 7412, scored 11 points each for 7400.

Tied with 7400 for second place in the league is 5200. Both teams have won five, lost one. The single 5200 loss was at the hands of 7400. A close game, 5200 led until the last quarter when 7400 slipped by to win 45-43.

Team 5500 in third place suffered its single defeat from 4100 (combined). Four won and one lost is 5500's record.



SUPPORTING THE YMCA fund drive scheduled to get underway next week are L. to R. Maj. Alastair Sinclair, Sandia Base Chaplain, R. A. Bice, Director of Field Testing, 5200, and Al Gruer, Instrumentation Services Department Manager, 5210. Funds raised during the campaign will be used to renovate the downtown YMCA building and for construction of a new YMCA in Northeast Heights.

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

Next Deadline: Noon, Feb. 1

FOR SALE

DINETTE SET, 4 place chrome, yellow, \$15. Myers, 404 Dolores NW, Alb. 3-8195 after 6 p.m. weekdays.

2 BR. ADOBE, near Five Points Shopping Center, unattached double garage, unattached laundry, many extras, \$750 down. Padilla, Alb. 2-6867.

BEAGLE PUPPY, beautifully marked, AKC registered, \$25. Holmes, 5811 Bellamah Ave. NE, Alb. 6-8203.

CONTAX CAMERA OUTFIT, Contax IIIA w/50mm Sonnar fl. 5, case, \$249; 135mm Sonnar f4 telephoto, \$88; 35mm Nikkor f2.5 wide angle, \$99; view-finder, \$38; case, \$25; copy device, \$10; sacrifice for \$495. Jenkins, Ext. 47142 or Ext. 52198 after 5.

DRAPES, pebble cloth-lined grey background w/shades of greens, reds & browns, 4 panels, each panel 46x83", \$35. Flanigan, Alb. 9-0049.

TYPEWRITER, portable, Underwood noiseless "77", \$65. Winchester carbine 30-30, used once, \$50. Reilly, Alb. 4-6703. 3809 Comanche NE.

CRIB MATTRESS, \$25. Maple finish chest, \$7.50, triple dresser, \$25; box springs, mattress, bedframe, \$40. Dressing table, \$8. Siskey, Alb. 3-6235.

4x5 VIEW-CAMERA, swinging back, tripod, holders, lights, stands, meter, film, etc., complete, \$300. Brown, Alb. 9-5202.

WASHING MACHINE, Bendix Economat, \$50. Robertson, Ext. 24290.

MATTRESSES, two, and coil springs, \$20 set or will sell separately. Brown, Alb. 9-2510.

'51 NASH RAMBLER Station Wagon, \$300. Pasko, Alb. 6-0534.

ELECTRIC RANGE, apartment size, Kenmore, new, \$100. McGarvie, Ext. 29241.

GRAND PIANO, upright Raymond. Callender, Alb. 6-3345.

COAT, size 12, worn only a few times, gold & brown tweed, \$25. Hamilton, Alb. 8-0445.

WASHING MACHINE, Easy Spin Dryer, \$35. Brown, Alb. 9-1689.

HI-FIDELITY TAPE RECORDER—2 speed, 2 speakers, microphone-tape-extra reel, \$99.95. Elliott, Alb. 5-9369 after 5 p.m.

STUDIO COACH, cream colored, matching chair, reasonable. North, Alb. 5-5673. 4700 Pershing Ave. SE.

'56 PONTIAC Starchief 4-Dr., Hyd., R&H, tutone, 12,000 miles, \$2275. Parker, Alb. 9-1750.

HOLLYWOOD TWIN BED, w/steel frame, \$20. Middleditch, 2812 Vermont NE, Alb. 9-3869.

TRAILER, 2 wheel, steel International pick-up box w/heavy wooden springs, heavy wooden rack, \$60. Adams, Alb. 9-2126.

DOUBLE BED, Simmons Hideaway, color, beige, \$75. Eisenberg, Alb. 9-5498.

HEATING STOVE, Butane for house trailer, \$25. Kindschi, Alb. 6-0531.

'41 CHEVROLET, 5 passenger coupe, new motor; '46 Ford Wagon, new tires, good motor; Miller, Alb. 5-6906.

LAWN FENCE, 85 ft. long, 3 ft. high, \$16. Buck, Alb. 9-4698.

H.O. 129-X RECEIVER & SPEAKER, surplus transmitters & receivers, new CDR Rotator, transformers, cabinets & parts galore, \$225. Shane, Alb. 8-2376.

YOUTH BED and mattress, Simmons, \$25; Westinghouse AM, FM, Phono. console, \$30. Warn, Alb. 6-6446.

3 BR. HOME, den, 1 1/4 baths, attached garage, drapes, carpeting, stove, landscaped, sprinklers, patio, walls, 6'x8' play-house. Jercinovic, Alb. 5-8027.

2 BR. HOUSE, \$6500, \$500 down, \$55/mo., or rent for \$55/mo. unfurnished. Lopez, 1631 Five Points Rd. SW, Alb. 3-8550.

'51 CROSLY STATION WAGON, overhauled engine, almost complete second station wagon for spare parts, \$125. Dieruf, Alb. 9-4525.

KROLL CRIB w/extra side for conversion to youth bed, folding stroller, training chair, \$10. Brake, Alb. 6-8320.

LIVING ROOM ENSEMBLE, 5-piece sofa bed, almost new, original cost \$159, sell for \$80. Bennett, 3023 Manzano NE, Alb. 4-5577.

WASHING MACHINE, Kenmore wringer type, \$20. Rear-view mirror for truck or auto (telescope type), \$25.0. Mares, 509 San Pablo NE.

'48 NASH AMBASSADOR, 4 door, R&H, \$150. Phillips, Alb. 9-3162.

MEMBERSHIP in Crossroads Flying Club, two tri-pacers, \$350. Licensed pilots only. Gowdey, Alb. 3-8216.

BOODLE BUGGY, makes car bed, \$15. Tidwell, 3238A A Street, Ext. 31277.

MAYTAG WASHER, wringer type w/pump, best offer. Ruddy, Alb. 5-3501.

BENDIX AUTOMATIC WASHER, cheap. Peterson, 2916 Dakota NE, Ext. 31263.

AFGHAN HOUND PUPS, line bred from outstanding record holding blood lines; male, female, \$150. Terms. Crosby, 3939 Anderson SE, Alb. 6-5189 after 5 p.m.

BEAGLE PUPPIES, \$15. Komen, Ext. 46288, Sandia Base.

GERMAN SHEPHERD PUPPIES, pure-bred, black and silver markings, \$35. Armstrong, Alb. 5-0662.

SIAMESE KITTENS, two, three months old, \$5 each. Deluxe mangle Kenmore, \$50. Pitti, Alb. 6-1629.

'49 CHEVROLET, new nylon super-cushion w/w tires, 4-dr., R&H. Drake, Alb. 3-9582.

'49 STUDEBAKER Champion Starlight 5-pass. coupe, radio, climatizer, overdrive, tires good, \$250. Shew, Ext. 32234.

ELECTRIC RANGE, 30 inch deluxe Frigidaire, 3 yrs. old, \$125. Himbrook, Alb. 9-4952.

3 BR. HOUSE, 1 1/2 baths, stove, refrigerator, carpet, walled yard, landscaped. Immediate possession, \$10,500. Wheeler, 3332 Madeira Dr. NE, Alb. 6-6230.

TELEVISION, 17" console, new tubes, picture tube, rabbit ears, \$65. Combination radio, 78 RPM record player, \$15. Preston, Alb. 9-1948.

'48 OLDSMOBILE, hydramatic, 4 dr., R&H, good tires, \$150 cash. Stephenson, Alb. 5-0298.

FUR COAT, Bonmouton, 3/4 length, size 12, \$35. Connelly, Alb. 5-9997 after 6 p.m.

'55 FORD STATION WAGON, R&H, automatic transmission, nylon tires, back-up lights. Carpenter, Alb. 9-3519.

GAS RANGE, 36", \$50. Komarek, 616 Valencia Dr. NE, Ext. 47146.

DACHSHUND, AKC registered, female puppy, tan w/black markings, available Feb. 1st. Reed, Alb. 6-4870.

ACCORDION, 48 Bass, Titano. Used only two months. Best offer. Polaszek, Alb. 6-5857.

CALIFORNIA STYLE HOUSE, 1 bedroom, carpet, automatic heating, fenced in yard, 135 Ranchitos Rd NW, \$5900, low down payment. Pyetzkki, Alb. 4-4020 evenings.

3 BR. HOUSE, 1 1/2 baths, central heat, air conditioned, w/w carpeting, NE Heights, G.I. financing, 2% down. Springer, 8822 Cordova Ave. NE.

FISHING CAR, '41 Chevrolet, \$50. Houts, Alb. 5-4903.

'49 FLEETLINE CHEVROLET, heater, \$300 cash. Morrow, Alb. 6-3591 from 8 to 4-45 weekdays.

AIR CONDITIONER, one room evaporative, \$20. Chappell, 2620 Jefferson St. NE, Alb. 8-0855.

2 BR. HOUSE, adobe, hardwood floors, fireplace, basement, near Univ., \$750 down. Chapin, Alb. 2-6429.

'50 CHEVROLET Fleetline Deluxe, 2-dr., 8 tube radio, new battery and wiring, \$244. Fueger, ext. 46166.

GOODYEAR TIRES, 4 Double Eagle, 8.20x15. Bargain. Perry, Alb. 3-3649.

CORNET, 20 mutes, case, \$45. Nielsen, Alb. 5-6497.

RCA VICTOR RADIO & 3 speed phono. comb. Bland wood model, 1 yr. old, records & rack, \$100. Schivley, Ext. 23136.

'51 STUDEBAKER PICK-UP, new paint job, overdrive, \$200. Cattanch, 1236 Greta St. NE, Alb. 9-0448.

VIKING VALIANT TRANSMITTER and Hammarlund HQ-140-XA receiver with speaker. Gomel, Alb. 6-9098.

'56 CUSHMAN SCOOTER, \$250. Ouellette, 7605 Euclid Ave. NE.

LIMED OAK CHEST, \$40; Hollywood single bed, \$35; vanity, \$15; desk, \$15; Bendix Economat, \$70. Hunter, 2315 Hendola Dr. NE, Alb. 9-1089.

'48 NASH CONVERTIBLE, good top, \$100 or best offer. Will trade. Kronberger, Alb. 6-2581.

MAYTAG FREEZER, 19 cubic foot, upright. Less than one year old, \$100 for equity. Heimer, Alb. 9-4501.

FOR RENT

WOMEN'S DORMITORY ROOMS, furnished; kitchen, laundry facilities, linen, maid service, television, walking distance to work, \$45/mo. Base Housing Office, Ext. 21154.

3 BR. HOUSE, Ridgecrest area, available Feb. 1, \$135/mo. Montgomery, Alb. 3-9014.

WANTED

TO TRADE TARGET PISTOL .22 caliber and cash, trade for German Luger pistol. Smitha, 8607 Menaul, Alb. 9-1096.

TO TRADE 16 MM MOVIE FILM, (1800'), some colored, black & white, trade for anything of equal value. Palmer, Alb. 6-3936.

CAMPER TRAILER, 12-16 foot, metal shell preferred. Norwood, Alb. 5-4639 after 6 p.m.

TO TRADE XMTR, 1 KW CW, 600 W phone, power supply not wired, spare tubes, for Rolleiflex or Hasselblad. Allen, Alb. 5-7048.

SLED or toboggan of approximately 600 lb. capacity. Johnson, Alb. 6-9762.

CRIB, Storkline, maple or white enamel finish. McNew, Alb. 5-8288.

MOUNTED OWL, large size. Kodel, Alb. 6-0096.

TO TRADE \$6500 equity in 2 br., den home for 3 br., 1 1/2 bath home. Balance due \$2,900 at 4 1/2%. Hinds, Alb. 7-8543.

TO TRADE .22 rifle w/scope or .25 Colt automatic pistol for 2 wheel trailer. Gammon, Alb. 8-0646.

TO CARE for children in your home. Mrs. Aberg, Alb. 5-1340.

LOST AND FOUND

LOST—Ranson lighter; glasses in brn. case; keychain w/who's who; earring, sterling, dangle rings; earring, turquoise w/copper back. Lost and Found, Ext. 26149.

FOUND—Keys, 2 Yale on wire; keys, 6 on ring (2 Ford); earring, copper tepee; nail clippers with 11c. Lost and Found, Ext. 26149.



R. P. "Bob" Noble
—"joiningest" man in these parts—

When Membership Fees Are Due Bob Noble Pays Off by the Dozen

It might be said that Robert P. Noble is one of the "joiningest" men in these parts, but his membership in an even dozen professional groups is entirely reasonable to him.

Bob, who works in Sandia Corporation's Electronic Packaging Division, 1462, belongs to 12 professional groups of the Institute of Radio Engineers.

Has Good Reason

Why has he joined all these groups which keep him away from home so many evenings?

Bob's answer is that they all study problems of interest to him in performance of his job in electronic packaging.

"This is a new field," he enthusiastically explains. "To take a new electronic system from the 'breadboard' stage and package it as a compact unit, requires a knowledge of all phases of electronics plus a good grasp of mechanics. There is so much to know—so much to learn. Literature from the professional groups gives me help in keeping abreast of new developments. The reference material is invaluable."

Bob is a member of the professional groups on Circuit Theory, Nuclear Science, Reliability and Quality Control, Instrumentation, Telemetry and Remote Control, Industrial Electronics, Microwave Theory and Techniques, Medical Electronics, Ultrasonics Engineering, Component Parts, Production Techniques and Military Electronics.

Studies Math Too

Even with all these memberships his time isn't quite taken up in the evenings so he is taking an extension course in mathematics from the University of North Dakota.

Bob has attended Ohio State University, Columbia University, Hofstra College, Capital Radio Institute and the American Television Institute in Chicago.

Bob's library in his home at 3110 42nd Place on Sandia Base is stacked with volume after volume of textbooks and technical publications. There he spends his evenings—when he's at home.

A Sandia Corporation employee for two and one-half years, he is a veteran of World War II and Korea. He served in the Air Force in communications work.

Formerly he worked for Essex Die Corp., N. Y., has done electronics and communications work

for Illinois Central Railroad, Sperry Gyroscope Co. and the Radio Corporation of America. He was once a station engineer for a broadcasting company in San Juan, Puerto Rico.

Six Sandians Teaching Classes Spring Semester

Six Corporation employees will turn professor next month to instruct classes at the University of New Mexico and College of St. Joseph.

John Wiesen, 5125, and G. J. Lombardi, 5511, will teach a 24-hour course in Statistical Quality Control offered each Tuesday evening at room 219, Mitchell Hall, University of New Mexico. This advanced course is offered by the UNM Community College in cooperation with the Albuquerque Section of the American Society for Quality Control. It is designed for industrial employees, engineers, and scientists who have a background in mathematics or statistical quality control.

Andrew C. Ellingson, 1442, will teach Intermediate Electricity and Electronics, a non-credit 12 week course scheduled Thursday evenings from 7 to 9. The class will meet in room 219 of the Electrical Engineering Building.

G. J. Hurley, 7123, will teach two non-credit classes for the Community College. Beginning German will be taught on Tuesday evenings from 7 to 9 in room 207 of Mitchell Hall. He will teach Technical Writing on Thursdays, 7 to 9, in room 203, Mitchell Hall.

Introduction to Calculus II, offered by the UNM Community College on Tuesday and Thursday evenings, will be taught by Dick Hildner, 5122. This is a non-credit class.

Enrollment will be Jan. 28 through Feb. 2 with classes starting Feb. 4.

Art Lawrence, 1614, is giving a lecture course and a laboratory course in Basic Electronics in the College of St. Joseph non-credit evening school. The lecture course will be offered Wednesday and Friday evenings while the lab course will meet Monday evenings. Both classes begin the week of Feb. 11. The courses demonstrate the characteristics and behavior of electrical and electronic networks while the laboratory also provides an opportunity to gain experience with many instruments found in industry.



Seldom a "Phooley"—

Berenice and Kelly Doing Fine

Security guards at Gate 3 are becoming accustomed to seeing Berenice Henry and her handsome Collie, "Kelly," enter the Tech Area each morning.

They leave a car parked near G Street, stop at the curb until the traffic clears, cross the street, turn and pass by the guard, follow west alongside the fence, and turn in at the side entrance of Bldg. T-815.

Kelly has been specially trained at the Leader Dogs for the Blind school in Rochester, Mich., and he's taking Berenice to work at Publications Section 2464-1, where she is a typist. She has been with the Corporation nearly six years.

Berenice flew back to Michigan in November to undergo four weeks of intensive training. There were more than four hours of street training each day in Rochester or Pontiac, first with their instructor Vince Syracuse, who donned a special harness and responded as the dogs do only to spoken commands, then with their assigned dogs.

Six persons were in Miss Henry's class and the dogs included Collies, German Shepherds and Boxers. The course proved too strenuous for two men.

The dogs are donated to the school and spend 10 days in quarantine before entering the training program. After obedience and basic school comes six weeks of training to recognize such hazardous conditions as moving traffic, pedestrians, low-hanging branches, puddles, and other dangers to their masters.

In using a Leader Dog Berenice must know where she is going and directs Kelly to the destination with commands such as forward, right and left. Frequent praise is also necessary. The school reported that Berenice and her 17-months-old Collie got along fine from the start.

On the flight back to Albuquerque Berenice said, "Kelly had a thoroughly enjoyable time. When he wasn't looking out of the window he had his long nose in the aisle waiting for the stewardess to pet him on her way past."

Although it will take four or five months before complete cooperation can be expected between woman and dog, they are already building confidence in each other. Berenice seldom has to reprimand Kelly with a stern "phooley."

Kelly is friendly and absolutely safe among people, however, the school suggests that people not distract the Leader Dog when he is actually working. If it is apparent that Berenice is having difficulty, a person nearby could simply ask, "May I assist you?"

Motorists are asked to proceed cautiously in the regular traffic pattern if Berenice and Kelly are waiting at the curb. They cross only when the street is clear.

Although Kelly's training and Berenice's training in his use cost the Leader Dog School approximately \$1,250, except for a token tuition fee the cost is borne by various agencies.

Berenice's enrollment at the school was arranged by Hardin Simmons, 2413-2, who has been chairman of the sight conservation committee for the North Albuquerque Lions Club for three years.

H. H. Patterson to Talk To Caravan Club on Touring Old Mexico

H. H. Patterson, 5250, will discuss "Outside the Beaten Path in Old Mexico" at the Jan. 28 meeting of the Amateur Radio Caravan Club of New Mexico. Mr. Patterson will illustrate his talk with a series of color slides. The meeting begins at 8 p.m. in Bldg. T-318 on Sandia Base.

The Club's auction of surplus gear will be held Feb. 11 at 8 p.m. in Bldg. T-318. Max Hood, Albuquerque auctioneer, will be in charge of the sale.



ALWAYS NEARBY, Kelly naps or just loafs while Berenice types from voice recordings. Other workers in the office have found Kelly friendly and always ready to extend a paw for a handshake.



CURBS PRESENT NO PROBLEM for Berenice Henry, 2464-1, when her Leader Dog "Kelly" stops with his forefeet on the sidewalk and waits for Berenice to feel her way up the step.

Five Years Ago

More than 800 Sandians pledge blood donations for wounded in Korea during one-day visit of Mobile Blood Unit . . . Sandia Field Testing, Engineering and Research organizations receive a pat on the back from AEC-SFO Manager Carroll L. Tyler for participation in Nevada tests . . . Permanent identification cards

and temporary passes to be used to gain admittance on Sandia Base instead of Tech area badges . . . Minnesota Mutual Life Insurance Company sets up counseling service at Sandia Corporation . . . 22 men are promoted . . . Corporation payroll shows 4,045 employees . . . Climbing enthusiasts organize their own club.