

Sandians Named to Staff of Operation Plumbbob Director

Several Sandia employees have been "detached" from the Corporation and are in Nevada reporting to the Director of the 1957 nuclear test series.

Don B. Shuster, Manager of Full Scale Test Department, 5230, has been named Associate Test Director for Operation Plumbbob and is reporting to G. W. Johnson of the University of California Radiation Laboratory, Livermore, Plumbbob Test Director.

Robert E. Hepplewhite, super-

visor of Full Scale Test Division II, 5232, is serving as S-3, chief of Plans and Operations. This group has the responsibility of coordinating test group plans of the participating contractors and agencies: Sandia Corporation, University of California Radiation Laboratory, Los Alamos Scientific Laboratory, Department of Defense and Civil Effects Test Group.

Sandia members of the S-3 staff are George Stobie, Walter Hower-

ton, W. A. Gustafson, Neil Hansen and Maxine Babcock, all 5232. Clara Taylor, 5230, is secretary to Mr. Shuster.

J. W. Tanner, Material and Field Services Division, 7232, is Sandia representative on the S-3 staff in charge of Sandia's plans and operations.

The group has offices at the Las Vegas Field Office of the AEC. About Apr. 1 they will move to the Nevada Test Site for the remainder of the test series.



R. E. Hepplewhite
—Plans and Operations—



D. B. Shuster
—Associate Test Director—

Members Vote to Continue Present Hospital-Surgical Insurance Plan

Continuation of the present Hospital-Surgical Insurance plan is favored by a majority of plan members polled recently. Ballots received indicate 57 percent of the members returning ballots

preferred the present plan with no changes, Sandia Corporation's Insurance Committee announces. The plan will remain in effect, the committee reports, but will be reviewed periodically to insure employees maximum coverage at minimum cost.

A special enrollment period is scheduled for March 15 through April 10 in order that all employees not currently participating in the plan may have the opportunity to become members. All non-participants will be mailed a booklet and a payroll deduction card prior to March 15.

Participating employees currently having single coverage and desiring family coverage for eligible dependents may effect the change in their policy during this special enrollment period by contacting Employee Services and Benefits Section, 3122-1.

Members of the Health Plan were asked to decide between three choices of plans available— (1) continuing the present plan, (2) a modified plan with higher premiums and greater benefits or (3) a comprehensive plan that would pay about 80 per cent of most medical expenses.

Results of the poll are as follows:

	Number Of Votes	Per Cent Of Total
Plan I	2,248	57.2
Plan II	475	12.1
Plan III	1,205	30.7
Totals	3,928	100.0

Members of the Insurance Committee are R. B. Powell 3100, chairman, C. W. Campbell 7200, C. W. Dickinson, Jr. 4110, J. W. Jones 1225, R. Findlay 2230, R. B. Yoder, R. D. Statler 5354, A. J. Roth 1422, D. S. Tarbox 2440, E. W. Peirce 3120, and L. M. Jercinovic 7210.

Security Work to Be Centralized in New Organization

A new division has been organized in the Plant Security Department in a move to centralize Sandia Corporation security responsibilities. The division started operating Mar. 1.

Eugene K. Baker, formerly of 7231, is head of the new organization which is known as Security Audit and Control Division, 2743. Section supervisors are Cecil E. Jordan, formerly supervisor of 3221-1, and Thomas B. Hanna, formerly of 4112.

Investigation and Audit Section 2743-1, headed by Mr. Jordan, has assumed the document inventory responsibilities formerly held by the Business Methods Department. Document investigation work has been transferred to the section from the Document Department.

Other responsibilities include security procedure audits and investigations of security infractions not a part of the work of Administration Division, 2471.

The Security Education and Control Section, 2743-2, supervised by Mr. Hanna, will augment the Corporation's existing program. Shipment security, site security, security studies, defense and disaster planning coordination, and security information are also handled by the section.



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Re-registration of Autos Set For Tech Area March 12-14

Re-registration of vehicles brought on Base by Sandia Corporation employees will be held March 12, 13, and 14 in buildings 802, 840, 880 and 892.

Corporation employees will be

required to bring their 1957 registration certificates and must know the date their car insurance expires in order to verify current records. All privately-owned vehicles must be re-registered not

later than March 31, 1957.

Two Sandia Base decals will be issued for 35 cents—one to be placed on the front windshield and one on the left side of the rear bumper. The small insurance stickers will continue to be issued by organization 3120 as the insurance expiration date falls due.

The Provost Marshal's office, in cooperation with Employee Services Division, 3122, has set up the following schedule for issuance of the decals:

Tuesday morning, March 12, employees whose last names begin with "A" through "D"; Tuesday afternoon, employees whose last names begin with "E" through "H"; Wednesday morning, March 13, last names beginning with "I" through "L"; Wednesday afternoon, last names beginning with "M" through "P"; Thursday morning, March 14, last names beginning with "Q" through "S"; Thursday afternoon, last names beginning with "T" through "Z."

Employees are urged to report for their decals at the proper time.

Representatives from the Corporation and from the Provost Marshal's office will be located from 8 a.m. to 12 and 1 to 5 p.m.: in the Main Lobby, 1st floor, of Bldg. 802; in the lobby of Bldg. 840; in Conference Room 131, Phase 2 of Bldg. 880, and in the 1st floor Lobby of Bldg. 892.

All new or first-time registrations will continue to be handled in the Provost Marshal's Office. Employees who have already obtained their new Base decals from the military need not re-register. Late registrations (after March 14) will also be handled at the PM's office.

The Provost Marshal's office is open weekdays 7:30 a.m. through 4:30 p.m. (including during the noon hour) and Saturdays from 8 a.m. to noon.

Meteorologists Study Feb. 1, 1956, Blizzard

The American Meteorological Society will meet Tuesday, Mar. 19, reports Jack Reed, 5111, president. "Synoptic Analysis of the Feb. 1, 1956, Blizzard in Albuquerque" will be discussed by Thomas Y. Palmer, 5243-2. The meeting will begin at 7:30 p.m. in Rm. 253 of the Adm. Building, UNM.

Project Vanguard Earth Satellite To Be Reported On at IRE Meeting

"Project Vanguard—The International Geophysical Year Earth Satellite Program" will be discussed at a meeting Wednesday, Mar. 20, of the Albuquerque-Los Alamos Section of the Institute of Radio Engineers.

Dr. William H. Pickering, Director of the Jet Propulsion Laboratory, Pasadena, Calif., will be

the speaker. The meeting will begin at 8 p.m. in Rm. 122 of the Geology Building, University of New Mexico.

Dr. Pickering has been with the Jet Propulsion Laboratory since 1944 and its Director since Sept., 1954. He attended California Institute of Technology earning a BS degree in 1932, MS degree in 1933 and a PhD in Physics in 1936.

He has been a member of the Scientific Advisory Board of the Air Force and Chairman of the Research and Development Board on Guided Missile Test Range Instrumentation.



Dr. William H. Pickering



SANDIA CORPORATION'S Board of Directors posed for this group portrait during a three-day briefing session here last month. The board met with military, AEC and Sandia Corporation officials and conducted a routine board meeting while here. Seated left to right are Kimball Prince, General Attorney, Sec'y., Treas., Sandia Corporation; R. L. Helmreich, Vice President and General Manager, Bell Telephone Laboratories; P. A. Gorman, Vice President, Manufacturing, Western

Electric Co.; A. B. Goetze, President, Western Electric Co. and J. W. McRae, President, Sandia Corporation. Standing, left to right, are F. R. Lack, Vice President, Radio Division, Western Electric Co.; M. H. Howarth, Vice President and General Manager, Sandia Corporation, and W. L. Brown, Vice President and General Counsel, Western Electric Co. All but Mr. Prince, who acted as secretary to the board during the meeting, are members of board of directors.



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The Mythical Money Tree

We Americans, admired the world over for our business acumen, suffer almost universally from one amazing weakness—a tendency to think we are getting something for nothing when we spend tax money.

The fallacy is so obvious that no one would admit feeling that way, yet group actions of people throughout the country provide evidence that we collectively regard Uncle Sam as an "easy touch" in money matters.

Here at Sandia we work for a private corporation. Our activities are measured by the yardstick "good industrial practice." But, our money comes from only one source — the Treasury of the United States. In addition to being a tax-supported operation, Sandia is at present engaged 100 per cent in weapons development work. This means that we are not a profit-making activity, like a power plant, for example, which produces a marketable product. Thus, our operations, however vital to the country's security, constitute a drain on the Treasury.

The money spent here may be considered as an insurance policy paid by the taxpayers. Personal experience tells us that when insurance premiums become too large in relation to the protection offered, the policy should be dropped. The U. S. cannot afford to let this policy lapse, yet the policyholders (you and I, and all the taxpayers) have a responsibility to see that the premiums are kept as low as possible consistent with the accomplishment of our mission.

Each of us, therefore, should feel a personal responsibility to taxpayers to avoid waste of time, material or money so we can make the best possible use of the funds assigned for carrying on our work.

We think our taxes are high now, but consider this: The cost of operating Sandia Corporation for one year is greater than the income taxes all 6300 of us together will pay (at current rates and earnings) in the next 20 years.

Help Cerebral Palsy

The daughters of five Corporation employees are taking an active part in Brownie Troop 125 which is aiding the Cerebral Palsy school.

Billie Rarrick, wife of Harold Rarrick 5524, and Shirley McLean have been leaders since the troop organized two years ago. For Valentine's Day the youngsters made boy and girl suckers for the school and another special project is planned for Easter. The eight- and nine-year-olds also make scrapbooks for the VA Hospital.

Sandia youngsters who are members include: Susie Reed, daughter of James F. Reed, 5144; Susie Campbell, daughter of C. W. Campbell, 7200; Debbie Galloway, daughter of Doris Galloway, 2461; Mary Jean Robertson, whose father is David Robertson, 2542; Michele Wilson, daughter of Jack Wilson, 1652; and Susan Rarrick, daughter of Harold L. Rarrick.

A Walk in the Snow

A hike into the Sandia Mountains is planned for the New Mexico Mountain Club, Sunday, Mar. 10, reports Dick Martindall, 1422. The club will climb one of the several good though little-used trails approaching the crest from the south. "About 10 miles of fairly easy walking," Dick says, "though snow may be deep in places."

Anyone interested in making the climb should join the group at 8 a.m. at the Nob Hill Center parking lot. Non-members are invited.

Get-Well Wishes

Wishes for a speedy recovery go to Lillian Sandin and Elmer J. Roisum, both of 2711, who have been ill.

Sandia Price List?

The Sandia technical library recently received a letter from the international division of "Detectrol" in Bordeaux, France. The firm requested, for their library and European information agency, Sandia's "latest catalogue of general production with export prices."

Awards Granted

The Sandia Lab News earned two awards at a recent meeting of the Association of Nuclear Editors. Certificates for first place in editorial content and second place in overall excellence were awarded to the paper.

Science Club Speaker

The Highland High School Science Club heard a lecture on Nuclear Physics by Sandia's Harold Rarrick, 3161, on Feb. 28.

Attends Symposium

C. L. Janus, Tool and Gage Inspection Section Supervisor, 2723-3, recently returned from Dayton, Ohio, where he attended a Metrology Symposium, a clinic on manufacture and measurement. The Symposium was sponsored by the Sheffield Corporation, Dayton.

Sick at Home

Best wishes for a speedy recovery are extended to A. Richard Charlton, 7111-1, who has been confined to his home for the past month.

Sandianotes . . .

Seven Sandia Employees Help Found Ass'n Chapter of Personnel Women

Get Acquainted Party

Sandia Corporation "bachelorettes" are going to have another chance to meet eligible officers at Kirtland AFB. The Bachelor Officer's Club will hold a cocktail dance Sunday, March 17, starting at 2:30 p.m. in the Kirtland Officers Club.

Lt. Andy Smith states that the club is a joint Sandia-Kirtland activity of about 140 bachelors. For additional information call him at Kirtland ext. 3224 or Alb. 6-8086.

Seven Sandia women are members of the recently organized New Mexico chapter of the International Association of Personnel Women.

The local group was formed last month with 14 members. Meetings will include study groups and talks by local personnel people regarding specialized areas of study.

Mary Yager was elected treasurer and other members include: Evelyn Clark, Connie Stepulis, Molly Miller, Tess Emree, Maxine Stephens, all of 3152, and Martha Tuffs, 7225-6.



DANCE INTERMISSION at the Coronado Club recently found band leader Les Brown (center) chatting with Howard E. Sloane (right), 2723-3, entertainment director of the club. Howard's son, James, also enjoyed the evening. Club members are now anxiously awaiting the appearance of Les Elgart's famous orchestra April 7.

Adventurer Speaks

The Albuquerque DX'ers, an informal amateur radio group that has as its members many Sandians, will sponsor a lecture tonight by Danny Weil of Poole, England, adventurer extraordinary.

A. D. Middleton, 5224, describes the British sailor as a prominent international radio amateur. Weil sailed alone on a 31-foot sloop from England to Port Moresby, in New Guinea, where the "YASME" was wrecked on a coral reef. During the two and one-half year trip halfway around the world the vessel touched at many little-known places. Weil operated his radio during the entire journey.

The talk, open to the public, will be at 8 p.m. in room 120, Mitchell Hall, UNM.

Indian Correspondence

Word of the existence of the Sandia Lab News has reached all the way to India. The editor recently received a letter from Anant D. Oka of Nagpur (Bombay State) who asked to be placed on the Lab News mailing list. Mr. Oka noted that the wide variety of articles published in American industrial publications convey much about the daily lives of our people.

Other recent requests for exchanging industrial publications have been received from companies in England, Hawaii, the Philippines, and Kitimat, British Columbia.

Awards Trophy

Hockey fan Howard Sloane, 2723-3, took a personal interest in the recently concluded championship hockey tournament. He made the official presentation of the Helen Cross trophy to the winner last Saturday in the Ice Arena.

Kate's in News—Again

A sure sign of Spring — "Calico Kate" has done it again! The multi-colored cat owned by E. L. "Ed" Johnson, 5210, recently produced a litter of six kittens of assorted colors.

Ed marked the occasion by treating members of organizations 5210 and 5250 to variegated jelly beans. The kittens will be ready for adoption shortly.

New Homes

There are two new home owners in 5213. Armand F. Fink and his family recently moved into a house at 23 Garden Park Circle, NW; R. L. Culley, 5213, and his wife, Helen, 3162, now live at 1213 Parsifal, NE.

Birthday Honors

Members of organization 2741 honored Nelson T. "Pop" Jones recently on his 64th birthday. "Mr. Golfer," as he is also known, has been at Sandia since August, 1948.

In Computer Training

Eight members of organization 5100 have been attending a training course in use of computers at St. Paul, Minn.

George Byrne, 5126, and Diane Holdridge 5126, have already returned. Still in Minnesota are: Emily Young, Zelma Beisinger, Hugh Colvin and Kitty Weston. All of 5126, Leigh Hendricks, 5125, and Mary Ellen Sanchez, 5111.

Congratulations

Born to:

Mr. and Mrs. Michael Sollecito, 7411, a son, David Carl, on Feb. 16.

Mr. and Mrs. James N. Edgington, 1471, a son, James N. III, on Feb. 18.

Mr. and Mrs. Glenn A. Fowler, 5000, a daughter, Carol Ann, on Feb. 20.

Mr. and Mrs. Martin Vigil, 7411-6, a daughter, Connie, on Feb. 6.

Mr. and Mrs. Sam McAlees, 5144, a son, Todd Whitney, on Feb. 23.

Mr. and Mrs. George Reidel, 2551-1, a son, Timothy Edwards, on Feb. 26.

Mr. and Mrs. William E. Smith, a daughter, Audrey Sue, on Feb. 16.

Mr. and Mrs. Hal L. Pike, 5221-2, a daughter, Lisa, on Feb. 27.

Mr. and Mrs. R. I. Peterson, 5221-2, a son, Randall, on Feb. 25.

Mr. and Mrs. R. L. Shaum, 5222-2, a son, on Feb. 28.

Mr. and Mrs. Reynaldo Gonzales, 2223, a son, Lawrence, on Feb. 10.

Mr. and Mrs. C. L. Kassens, 1247, a daughter, Debra Jean, on Feb. 28. Mrs. Kassens was formerly in 2461.

Mr. and Mrs. W. F. Leverenz, Jr., 2153, a daughter on March 2.

Weddings and Engagements

Jeannine Finley of Albuquerque and Lt. Booth A. Crabtree of Ogden, Utah, will be married March



Miss Finley

20 at the Mormon Temple in Logan, Utah.

Jeannine has been with Sandia since last July and is in 7225-1, assigned to 5522.

Following an extensive trip along the West Coast and through Arizona, the couple will be at home at 1512 Espejo, NE in Albuquerque.

The engagement of Billie L. Easter of Portales to Robert J. Burnett of Casper, Wyo., was announced recently.

Billie has worked for Sandia Corporation since Sept., 1954, and is a secretary in 5524. Her fiancé has been at Sandia nearly four years and is an engineer and staff member of 1471-2.

The couple plans a June wedding in Albuquerque.

The Chapel of Trinity Methodist Church was the setting Feb. 16 for the wedding of Peggy Pinkerton, 7225 assigned to 7411, and



Mr. and Mrs. Shoemaker

Walter L. Shoemaker, 1454. Only members of the immediate families attended.

Following the ceremony the couple left on a honeymoon to Las Vegas, Nev. and Phoenix.

They will make their home at 629 Ortiz, SE.

Sympathy

To Henry Carrejo 2231-4, for the death of his brother on Feb. 18.

Howard H. Buvens Dies After 2-Month Illness

Howard H. Buvens, a Sandia Corporation employee since Nov., 1949, died Feb. 18 at an Albuquerque hospital. He had been hospitalized since Christmas morning.



H. H. Buvens

Howard was a Technical Staff Assistant in organization 7311-2 and was 48 years of age at the time of his death.

Born in Las Cruces, N. M., he had been a resident of Albuquerque for 25 years. He was active in the Civil Air Patrol.

Survivors include three sisters and a brother, all living out-of-state.

E. W. Peirce to Return to WE Hawthorne Works

Sandia's Manager of Employee Services, Training and Public Relations, 3120, for the past five and one-half years—Eugene W. Peirce—will be transferred April 1 to Hawthorne Works of Western Electric Company in Chicago.

His new assignment will be assistant superintendent, Employment and Placement.

Replacing Mr. Peirce will be William G. Funk, who has been



E. W. Peirce W. G. Funk

Manager of Employment and Personnel Department, 3150, since May, 1954.

Mr. Peirce will mark the anniversary of his 30th year with Western Electric Company in September of this year. He came to Sandia Corporation from Hawthorne in Sept., 1950, and started as supervisor of the General Employment Section.

During World War II he saw four years duty with the Army and at present is a lieutenant colonel in the Army Reserve.

Mr. Peirce will be accompanied to Chicago by his wife and high school-age son, Lenny. Their daughter, Betsy, who graduated last year from the University of New Mexico, plans to remain in Albuquerque. A second son, Gene, is an officer in the Air Force and is married with two children.

Mrs. Peirce and Lenny will remain in Albuquerque until the end of the school year.

Mr. Funk came to Sandia in May, 1946, as an industrial engineer working for the University of California. He became a member of the Sandia Corporation personnel organization in 1950 as supervisor of Professional Employment and Personnel Division.

During World War II Mr. Funk spent three years as radar officer in the Signal Corps. Most of the time he was in the Orient. Before the war he was an industrial gas engineer with the Public Service Company of Colorado in Denver. He holds a B.S. degree in Electrical Engineering from the University of Colorado, Boulder.

Sandia Optical Experts Meeting at Salton Sea With National Group

Six Sandians will attend a meeting of the Optical Systems Working Group Mar. 12-14 at the San Felipe Lodge at Sandia's Salton Sea Test Base. The OSWG is an organization composed of members from all of the nation's major bomb and missile test ranges. Advances in optical range instrumentation will be discussed at the meeting.

Attending the meeting from the Corporation will be John Eckhart 5221, Dan Parsons 5221, B. C. Benjamin 5216, K. L. Kemp 5221, T. L. Pace 5221 and John Keller 5214.

AIEE Members Set Meetings Mar. 11, 20

Two meetings in the next two weeks are scheduled for the American Institute of Electrical Engineers, announces Jack Barber, 1611, secretary.

Presentation of papers by members of the University of New Mexico student chapter of AIEE is scheduled Monday, Mar. 11, at 8 p.m. in Rm. 201, Electrical Engineering Bldg., UNM.

"Transistors: What They Are and How They Work" will be discussed by Tom Comason, Quantum Engineering Co., Albuquerque, Wednesday, Mar. 20, at 8 p.m. in Rm. 201, EE Bldg., UNM.



CONGRATULATING the team that spurred Department 2540 to the top spot in the Sandia Corporation United Fund Drive is F. E. Burley, Superintendent of Operations Engineering, 2300. Squad Leaders, L to R, Karl H. Zimmerman, Ed C. Domme, David C. Robertson and Ralph K. Fries watch Paul W. Callies, captain, accept Department 2540 participation 100% giving an average of \$23.64.

Final Chest Tabulations Show Department 2540 Top Donor

Final tabulations of the 1956 Sandia Corporation United Fund Drive show a total of \$63,958.67 donated—an increase of more than 30 per cent over 1955.

Ten Sandia Departments participated 100 per cent. Ninety-one per cent of all Sandia employees gave and their average donation was \$11.03 as compared to \$8.67 in 1955.

Manufacturing Engineering Components Department, 2540, with 100 per cent participation had the highest dollar average—\$23.64 per employee. Only superintendency with 100 per cent participation was Industrial Relations, 3200.

Other departments with 100 per cent participation and the average contribution per employee are as follows:

Labor Relations Department, 3220—\$15.67; Business Methods Department, 4110—\$14.88; Field Force Department, 7130—\$14.75; Operations Department B, 7320—\$14.39; Patent Department, 6010—\$12.70.

Mechanical Purchasing Department, 2320—\$11.12; Electrical Purchasing Department, 2310—\$10.80; Safety Department, 3210—\$10.25; and Plant Security Department, 2740—\$4.00.

Of the total amount contributed, employees gave \$57,066.17; Sandia Corporation donated \$6.58; Anderson-Dunham, Coronado Club

Concessionaires, and Club employees gave \$331.50; and Credit Union employees gave \$61.

In 1956 the voluntary year-around payroll deduction method of contributing to the United Fund was available for the first time to employees.

Our contribution amounted to more than 15 per cent of the total collected for the United Fund in Albuquerque.

Prompt First Aid Action by Sandians Credited With Saving Sailor's Life

The value of knowing emergency first aid and artificial respiration was emphasized recently when quick action by two Corporation employees and a Navy man saved the life of a second Navy man.

Harold Pike and Robert W. Summers, both of 5221, and Donald W. Morgan, USN, were working outside of a Navy trailer parked in the Corporation Tech Area. Navyman Frank Wright was inside the trailer. When Morgan went in to get a pencil, Wright was falling to the floor.

The three immediately took turns applying artificial respiration until the arrival of Dr. Maja L. Skaller, Nurse Irene Palmer, Dick Heim, 3164, and Fred Hannah, 3164.

Noon Movie Schedule

Lunch period movies have been arranged by J. J. Michnovicz, 2462, through the Modern Talking Picture Service for showing in the Conference Room B-4 in the Basement of 802 every Wednesday at 12:10 p.m.

"The Big Lie" will be shown March 13 and on March 20 the film will be "Those Fabulous Prefabs."

Dr. Skaller said the 20-year-old Navy man had stopped breathing and his heart beat was not audible. A resuscitator was applied and artificial respiration was continued until Frank began breathing again. He was then taken to the Base hospital.

Investigation by Sandia safety men determined that Wright had been cleaning wires with carbon tetrachloride. When used within a small closed space this liquid has anesthetic characteristics similar to chloroform.

W. H. Kingsley, Industrial Hygiene Division supervisor, cautions workers that use of carbon tetrachloride for cleaning purposes is strictly against Sandia Corporation regulations.

Second of Bell's TV Science Series to Be Telecast Mar. 20

"Hemo the Magnificent," the second program in the Bell System's TV Science Series, will be telecast over the CBS Network on Wednesday, March 20 at 7 p.m. (MST).

The first of the series, "Our Mr. Sun," was shown on TV last November. After that TV broadcast a 16 mm color film of the program was re-shown at Sandia in the basement projection room of Bldg. 802.

The new film deals with the blood and circulatory system and utilizes both filmed sequences and animated cartoons to tell the story. The hour-long program features Dr. Frank Baxter of the University of Southern California and film actor Richard Carlson. Both science films were produced and directed by Frank Capra, three-time Academy Award winner.

'56 Bernalillo County Real Estate Taxes Not Deductible This Year

The Bureau of Internal Revenue has informed that Bernalillo County taxpayers that their 1956 real estate tax is not a deductible item in the 1956 income tax return.

Taxes are deductible in the year in which they are paid and these taxes were not paid in 1956 as the tax assessment rolls had not been completed by the end of that year.

Those persons paying their taxes on a monthly basis had their payments held in escrow by a bank or escrow agent pending completion of tax rolls. The County Treasurer did not receive the money during 1956.

Those persons filing tax returns and charging off real estate taxes against their 1956 income will probably have an adjustment made by the Bureau of Internal Revenue, or their income tax form may be returned for correction.

Technical Writers' 'Seven Sins' to Be Told by Professor

"The Seven Sins of Technical Writing" will be discussed by Dr. Morris Freedman, assistant professor of English, University of New Mexico, at a meeting of the Albuquerque Society of Technical Writers, Monday, Mar. 18.

The meeting will begin at 7:30 p.m. in the Hospitality Room of Southern Union Gas Co. at 8th St. and Silver Ave., Max Weber, 5121, program chairman, announces.

Anyone interested in attending the meeting is urged to contact either John Cowan, 7123, or Justin Heineman, 7123, both at ext. 21148.



KEY AEC representatives met with Sandia Corporation officials at a two-day conference here last week. Topics discussed included the need for readily available funds for Sandia's research and development activities and the need for increased laboratory space. Among those present were, l to r: Harold A. Fidler, Manager, San Francisco Operations Office, AEC; Kenner F. Hertford, Manager, Albuquerque Opera-

tions Office, AEC; Brig. Gen. Alfred D. Starbird, Director, Division of Military Application, AEC, Washington; J. W. McRae, President, Sandia Corporation; Curtis A. Nelson, Director, Division of Inspection, Washington; A. E. Uehlinger, Manager, Sandia Area Office, AEC, and M. H. Howarth, Vice President and General Manager, Sandia Corp. A bus tour of Areas I and III was provided for some of the visitors.

Supervisory Appointments

GEORGE W. ELLIOTT to supervisor of Skills Inventory Sec-Personnel Division.



George has been in personnel work during his year and one-half at Sandia Corporation. Immediately prior he was with 3152 - 3, three and one-half years at the University of Missouri as a professor of Industrial Engineering and director of placement for the College of Engineering.

He worked as an industrial engineer for a year and one-half at Convair in Fort Worth and for two years at Montgomery Ward in Denver.

George has a Master's degree in Management from the University of Denver and a BS in Engineering from Iowa State College. He also taught drafting and industrial engineering for one year at Iowa State College.

During World War II he served four years with the Army's 1st Division including 17 months in Europe.

He is a member of Pi Tau Sigma, mechanical engineering honorary, and the Society for the Advancement of Management.

AL D. FORD, JR., to supervisor of Section 1812-2, Project Division, at Livermore Branch of Sandia Corporation.



Al has been with the Corporation a total of nearly four and one-half years. He started as a mechanical engineer in 1911 and in March, 1954, became supervisor of Scheduling Section, Technical Services Department. He left Sandia in June, 1955, and was rehired a year later at Livermore.

From 1943-51 Al was a supervising engineer for Westinghouse Electric Corp. in Portland, he then spent five months as an assistant to the steam superintendent in Westinghouse's San Francisco office.

During his year away from Sandia Al was a mechanical engineer for Rayonier, Inc., a manufacturer of pulp and paper in Shelton, Wash.

He received a BS in Mechanical Engineering at the University of New Mexico in 1942 and is a licensed engineer in New Mexico and Oregon.

EARLE C. PACE to Assistant Purchasing Agent—Electrical and Research Studies Sub-Contracting Department 2340.



Earle has been at Sandia since Nov., 1948, first as a staff member in engineering. In 1949 he worked in contracts liaison and the following year he changed to purchasing.

From Nov., 1946 until his arrival in Albuquerque, Earle was with Pennsylvania State College as a research assistant and section supervisor in charge of research field test.

For five years previous he was a research associate at Harvard University in research, development and pre-production. Earle was awarded a certificate in 1946 by the Office of Scientific Research and Development for a technical contribution to the Harvard Underwater Sound Laboratory.

He served as an assistant engineer in the Army Signal Corps for a year at the Chicago Radar School where he was an instructor and in charge of radar maintenance for the Great Lakes area.

Before 1937 Earle had a part interest in a small firm in Louisville, Ky., which manufactured radio and phonograph parts.

Earle attended the University of Kentucky and Harvard University, where his major was Electrical Engineering, and he is presently a member of IRE.

LEROY G. RAINHART to supervisor of Reinforced Plastics and Elastomers Section, 1625-2, Organic Chemistry Division.



"Roy" has been with the Corporation nearly three years. He was transferred to Albuquerque from New Jersey where he had been with Bell Laboratories 12 years working in the plastics field.

During World War II Roy was in the Army Corps of Engineers for four years. He was a training officer for the 981st Engineers, attached to Patton's Third Army, and remained with the unit from Normandy to Czechoslovakia.

He has a Bachelor's degree in Chemical Engineering from New York University.

Roy is a member of the Society of Plastics Engineers and is a registered professional engineer in the state of New Mexico.

SAM T. MANCUSO to supervisor of Employee Services and Benefits Section, 3122-1, Employee Services, Benefits and Housing Division.



Sam has been employed at Sandia Corporation since Feb., 1952, for four years an accountant in Accounting Division, 4152, and an auditor in Procedures Auditing Division, 4133. For the past year he has been in the Benefits Section.

He graduated from Eastern New Mexico University, Portales, in 1951 with a BA degree in business and economics. During college he was an accountant for a public accounting firm in Portales and continued for a year after graduation.

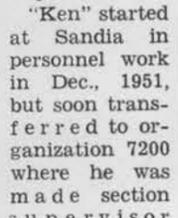
Originally from Hazelton, Penn., Sam first came to the Southwest when stationed at Alamogordo with the Air Force. He was an aircraft mechanic and crew chief during World War II. He is a first lieutenant in the Army Reserve Finance Unit.

Vending Machine Drinks Go Up in Price Mar. 15

Price of soft drinks, coffee and hot chocolate sold in the vending machines at Sandia Corporation will increase to 10 cents effective Friday, Mar. 15. The increase is a result of rising costs, according to General Vendors, Inc., the company that owns and supplies the machines.

The price increase is in line with standard costs in vending machine products throughout the Albuquerque area.

KENNETH A. SMITH to Manager of Employment and Personnel Dept. 3150.



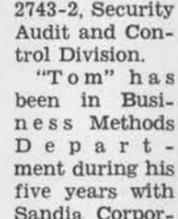
"Ken" started at Sandia in personnel work in Dec., 1951, but soon transferred to organization 7200 where he was made section supervisor in Sept., 1952. He became division supervisor 16 months later and for the following two years was Technical Superintendent Staff Representative for Glenn A. Fowler, then head of research and development staff services. Ken later had lateral transfers to 3122 and 3152.

Before coming to Sandia Corporation he was advertising manager for three years for the Coca-Cola Co. in Milwaukee, Wisc.

During his five years with the Defoe Shipbuilding Co. in Bay City, Mich., Ken worked in the fields of personnel and labor relations and was director of personnel at the time he left the firm.

He holds a Bachelor's degree in Business Administration from the University of Wisconsin.

THOMAS B. HANNA to supervisor of Security Education and Control Section 2743-2, Security Audit and Control Division.



"Tom" has been in Business Methods Department during his five years with Sandia Corporation.

For a year and one-half prior he had an interest in an automotive parts business in Albuquerque. He was also employed one year by Eidal Manufacturing in sales and personnel work.

Before World War II, Tom worked two years for Humble Oil and Refining Co. in Baytown, Tex., in rigging. From 1934-42 he was a salesman for Dr. Pepper Co. in Houston.

Tom has a Bachelor's degree in Business Administration from the University of Houston and has done graduate work in the field of Marketing at the University of New Mexico.

He served three years with the Second Air Force as a machine shop specialist.

In 1954 and 1955 Tom was the Sandia Corporation co-ordinator for the annual Community Chest fund drive.

ROBERT G. ELSBROCK to supervisor of Industrial Hygiene Chemistry Section 3161-1.

"Bob" has been with the Industrial Hygiene Division since last May.

In 1951 he established the Food and Water Laboratory for the State of New Mexico and continued with this work until joining Sandia Corporation. The laboratory is located on the University of New Mexico campus.

Bob was eight years with the Reading, Ohio, High School chemistry department and also taught that subject at the New Mexico School of Mines at Socorro and at Santa Fe High School.

For a short time he was a chemist for National Distillers in Cincinnati.

He has a BS degree in Chemistry from Xavier University, a Master of Science degree from Highlands University and a Master of Public Health degree from the University of California. Bob also did graduate work in administration and counseling at the University of Cincinnati.

JOSEPH W. WEIHE to supervisor of B Division 5122, Systems Analysis Department.



"Joe" has been with Sandia Corporation since Oct., 1954. The previous year he was a National Science Fellow at the University of California.

Joe was a teaching assistant for three years and a lecturer in Mathematics for two years at U.C. He also instructed Math for two years at the University of Nevada.

During World War II Joe was an Air Force pilot in the China-India Theater. He served three years.

He has BS and MS degrees in Mathematics from the University of Nevada and a PhD from the University of California.

He is a member of the American Mathematical Society, the American Mathematical Association, Sigma Xi, general science honorary, and Phi Kappa Phi, scholastic honorary.

A. WILLIAM SNYDER to supervisor of Radiation Special Studies Section 1626-3, Materials Standards Department.



"Bill" has been in radiation work since he came to Sandia more than three years ago.

He has a MS in Physics from Iowa State College and a BS degree from Franklin and Marshall College, Lancaster, Pa.

While attending graduate school at Iowa State, Bill worked summers for the Institute for Atomic Research in the synchrotron accelerator laboratory at Ames.

During two and one-half years service with the Navy, Bill attended the Naval School of Electronics in Chicago and later served in the South Pacific.

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

Coronado Club Members Find Full Calendar

Three social hours, two dances and one buffet dinner are planned at the Coronado Club in the next two weeks. As a special event for equestrians, the club has also scheduled a two-hour morning horseback ride.

Bud Fischer and his combo will entertain during the Social Hour Mar. 8 and Jim Wilson's combo will play during the Mar. 22 event. Another Social Hour, without entertainment, is planned for Mar. 15.

Phil Graham's orchestra will play for a free dance on the night of Mar. 9 from 9 to 1. There is a nominal charge of 50 cents per guest for this event. On the night of Mar. 16 Phil Chavez and his orchestra will entertain during an informal dance from 9 to 1. Admission is 50c a member, \$1 plus tax for guests.

Leigh Sprague and his orchestra will play from 7 to 11 following the monthly buffet at the club Mar. 17. The buffet will be served from 5 to 7. Admission is \$2.10 for members, \$3.20 plus tax for guests.

Reservations are being accepted at the club office for the first 40 persons who sign up to saddle up for the horseback ride scheduled for 7:30 to 9:30 a.m. Mar. 16. The ride will originate at the Four Hills Ranch. Charge for horses is \$2 a person.

Sandia Employees To Participate in Accident Cost Study

State Highway Department officials are making a special appeal this week to all Sandia Corporation employees for their support of the Department's current state-wide study of the cost of motor vehicle accidents.

A number of Sandia personnel are included in the random sample of vehicle owners being sent accident - experience questionnaires. Persons in this group are those whose names have been drawn from the registration files of the Motor Vehicle Division.

Other questionnaires will be sent to passenger car owners whose names have been drawn at random from the official records of reported accidents.

Highway officials have again emphasized that all answers to the questionnaires will be kept strictly confidential and that the information provided will not affect anyone's driving record.

The answers will be used for statistical purposes only, to aid in the planning of safer streets and highways and for more effective traffic controls.

Department spokesmen have expressed hopes of a good response to the survey and have urged all persons receiving questionnaires to complete them with as much accuracy and speed as is possible.

Service Awards

TEN YEAR

PINS



John A. Southwick
1440
March 14



Darl D. Deapan
1471
March 14



Frances C. Hale
7224
March 20

FIVE YEAR PINS

March 8-14

Max K. Linn 7220, James E. Simpson 2721, John N. Timmons 3151, Harold W. Hanna 2513, H. M. Richardson 5111, Henry J. Meyers 7232, Nabor Rael 2124, Frank M. Batchelor 2232, Dorothy M. Dempsey 2461, Manuel Gallegos 2419, B. A. Culbertson 5241, Lyle R. Murphy 2553, Louis M. Berry 1621, Onofre G. Perea 7242, John P. Stewart 2122, John E. Westbrook 2712, Arturo Jimenez 7232, and Berta L. Guest 2711.

March 15-21

Gardner L. Krieger 1413, Milton E. Bailey 1240, William B. Marsh 1211, Clarence M. Coats 2551, D. L. Patterson 7312, Guy V. Pearson 2331, Harvey E. Thiermann 7412, Louis E. Guintard 5533, Harvey V. Harter 5214, Clara J. Blasky 4135, Thomas J. Brooks 2413, Stanley M. Krell 3153,

ASME Members Meet Wed., Mar. 20

"Heavy Duty Internal Combustion Engines" will be the topic discussed at a meeting of the New Mexico Section of the American Society of Mechanical Engineers Wednesday, Mar. 20, Gene Gardner, 2154, publicity chairman, reports.

Ervin Dahlund, Manager of Engineering, ACF, Albuquerque, will be the speaker. The meeting begins at 7:30 p.m. in Rm. 202, Mitchell Hall, University of New Mexico.

Thomas B. Hannan 4112, Santiago Villareal 2419, Walter M. Wilson 2112, Melvin D. Petersen 5213, Donald J. Bunten 2152, Mary Guajardo 2533, Harry W. Lindquist 2112, Pearl G. Rauch 2122, Mary Ann Sikora 7225, LaZona M. Wyche 4131, Dorothy C. Harvey 6010, Nellie S. Sanchez 2461, C. H. DiGuseppi 2410, William J. Barlow 7324, F. R. Edwards 1232, Tom Vigil 2415, and LaVerne Lathrop 2722.

TWO YEAR CERTIFICATES

March 8-14

Donna M. Martin 5125, S. Joanne Myers 2333, John R. Johnson 5252, Paul D. Seward 7232, Esther M. Holloway 7225, William W. Parker 7123, Robert H. Newman 2463, Orlando Garcia 2415, and William P. Roper 5243.

March 15-21

Willard B. Dudgeon 2551, Marion J. Walker 2712, Leonard J. Flesner 7321, Donald N. Cox 7411, and Helen M. Cristofano 3153.

Two Teams Tied for Top Position in Sandia Employees Basketball Ass'n

Teams 2400-I and 5200 with 12-won and one-lost records are tied for first place in the Sandia Employees Basketball Association. The 5200 team downed 2400-I recently 44-42 in a brilliant last quarter rally. Wally Jungmeyer scored the winning basket for 5200 in the last few seconds.

Jungmeyer was one of the high scorers for 5200 with a total of 10 points to his credit. Fred Milsap scored 12 for 5200. Jim Sanchez and Jim Winters both scored 10 points each for 2400-I.

In recent league play, third place 7400 with 11 won, one lost, defeated 1200-II 53-34. Lee Dalley scored 13 points and John McCrory scored 9 for 7400. George Treadwell scored 10 and Val Black scored 8 for 1200-II.

The league leaders will meet three contenders in the next two weeks. Team 5200 will play 7100 Wednesday, Mar. 13 at 8 p.m. at Valley High School. Team 2400-I will play 2400-II on Thursday, Mar. 14, at 6:45 p.m. followed by 7400 playing 5200 at 8 p.m. Both games will be at Lincoln Junior High.

Team	STANDINGS		Pct.
	Won	Lost	
2400-I	12	1	.923
5200	12	1	.923
7400	11	1	.917
7200-I	9	3	.750
3100-4100	9	4	.692
2100	7	5	.583
5500	7	6	.538
1200-I	6	7	.462
1600	6	7	.462
7100	5	8	.385
1400-II	4	9	.304
2300	4	7	.357
1400-I	4	9	.308
2400-II	3	8	.273
2200	3	10	.231
1200-II	2	10	.167
7200-II	1	10	.091

New Buildings to House Sandia's Solar Furnace And Tracking Telescope

Bids have been received for the construction of two buildings to house Sandia Corporation's solar furnace and optical systems test mount.

The project includes construction of a 21-foot diameter round steel structure with heating, cooling and lighting to contain the solar furnace. This will be known as Bldg. 950. Bldg. 952 will house the optical systems test mount and will have 750 square feet, metal siding and roof, power, lighting, heating and evaporative cooling.

Cost of the two structures is estimated to range from \$36,000 to \$42,000. The buildings will be built east of the tech area where the furnace and telescope are now located.

Ping Pong Champs Begin Play-Offs

Champions in the singles and doubles of Sandia Employees Ping Pong Tournament began play-offs this week to determine the Corporation-wide champs.

Superintendency singles winners include R. J. Edwards 1400, Larry Woolrich 1600, S. R. Toledo 2200, Bill Palmer 2400, Larry Garcia 2100, Jack Deveneau 2300, Maynard Cowan, Jr., 5100, F. E. Lundy, Jr., 5200, Tom Kelly 2500.

Jack Chavez 7200, Don Gregson 7100, Winfred Bergsten 2700, George Banes 4100, Dave Hill, Jr., 3100, Bob Christopher 5500, Roy Dell 7400.

Doubles champions in the superintendency contest include R. J. Edwards and R. A. O'Connell 1400, M. R. Madsen and M. L. Heisler 1600, R. S. Toledo and Jim Kelly 2200, Carl Michael and Mike Martinez 2400, Grover Hughes and C. L. Cassens 1200.

L. F. Martinez and J. J. Tafoya 2300, A. D. Kantz and A. J. Shell 5100, Tom Kelly and Ed Bates 2500, Jack Chavez and Frank Comisky 7200, Don Emrick and Gregson 7100, G. A. Lucero and H. E. Morris, Jr., 2700 George Banes and Hugh Tallman 4100, Les Bury and Roy Dell 7400.

Radio Club Schedules Meetings Mar. 11, 25

Plans for 1957 Field Day activities will be formulated by the Sandia Base Radio Club at a meeting Monday, Mar. 11, Reuben Barwick, 4112, secretary.

Monday, Mar. 25, Tom Banks, 5252, and Frederick Fenten, 1451, will discuss construction and tune up of cubical quad beamed antennas.

Both meetings will be held at 8 p.m. in Bldg. T-319 on Sandia Base.



MORE THAN 800 cars arrive daily at Sandia Corporation carrying only the driver. If each one of these cars carried five passengers, 1420 automobiles would be removed from the stream of traffic morning and evening. Anyone wishing to list a ride available or a ride wanted is urged to phone ext. 26149.

After-Hour Classes in Four Subjects Offered Employees

After-hour classes in four subjects have been set up by General Training and Education Division, 3124, for the convenience of Sandia Corporation employees.

The subjects include Blueprint Reading (Mechanical), Elementary Mechanical Measurements, Electronics I, II and III, and Efficient Reading. All classes will be held on Sandia Base and will start the week of March 11.

In past years it has been the policy of the Corporation to assist in organizing courses in job-related subjects when such instruction is not available through established schools in the Albuquerque area. The first such class was in mathematics offered in 1951. In the 1957 Spring term the only class repeated from last fall's schedule is Blueprint Reading.

Blueprint Reading (Mechanical) is a basic course and will include

a brief arithmetic review. Prerequisite for the class is arithmetic through fractions and decimals. The class will meet Mondays 7-8:30 p.m. starting Mar. 11 at Bldg. 350 (near the base theater) and will continue 10 weeks. The instructor will be W. V. McGuire, 7412.

Mechanical Measurements, Elementary will cover the fundamental principles and use of simple measuring instruments, care of precision tools, basic fundamentals of blueprint reading and interchangeable manufacture. Prerequisite for the class is arithmetic through fractions and decimals. This will meet Tuesdays 7-9 p.m., starting Mar. 12 in Bldg. 350 and will continue nine weeks. K. R. Dickerson, 3124, will teach the class.

The Electronics courses are designed to fit the basic needs of students who may have different

levels of knowledge of the subject and who are now working in electronic equipment fabricating areas.

Electronics I will meet Mondays at 7-9 p.m. in Room 3 of Bldg. 849, starting March 11, and will continue 10 weeks. There is no prerequisite. The instructor will be C. W. Allen, 7113.

Electronics II will require the knowledge of material covered in Electronics I. This class will meet Thursdays at 7-9 p.m. starting Mar. 14 in Bldg. 350 and will continue 10 weeks. The instructor will be M. A. Elich, 7113.

Electronics III requires the knowledge of material covered in Electronics I and II. It will meet Wednesdays at 5-7 p.m. starting Mar. 13 in Bldg. 350, and will continue 10 weeks. N. A. Cordova, 2131, will instruct the class.

Efficient Reading is a course planned to increase an individual's reading speed while retaining or improving his comprehension. There are no prerequisites. Classes will meet at the noon hour on Mondays, Wednesdays and Fridays starting Mar. 11 for a total of 20 meetings in Room 3 of Bldg. 849. L. S. Sorley, Jr., 3123, will be the instructor.

The classes are tuition free with the exception of "Efficient Reading" for which a nominal fee will be charged based upon the number of students.

Any additional information about the courses may be obtained from J. F. Calek or W. S. Sturgis at ext. 52151.

Welcome Newcomers

From Albuquerque	Roger A. Armstrong	7412	Helen M. Pipher	7225	Massachusetts	Ronald H. Estey, Westboro	2722
Mary Barela	7225	E. Anthony Ryan	1263	Michigan	Roy R. Carlson, Buchanan	2553	
Ruth B. Barrett	2731	Earl H. Sallie	2351	Richard J. Dye, Helena	2443		
Lucretia M. Blum	4135	T. June Santiago	7225	Jo Ann Boud, Los Alamos	4215		
John A. Carroll, Jr.	2225	Charlene Scaper	2462	Marvin E. Bush, Alamogordo	5126		
Ernest J. Church	2464	Joy Lee Seaburn	3152	Bonnie W. Gray, Magdalena	7221		
Marie M. Conrad	7225	Wanda M. Stevenson	2133	New York	Aurelio R. Teta, Roslyn Heights	2722	
Patricia B. Davis	7225	Edward N. Vilella	7323	Charles R. Klesson, Columbus	4112		
Juanita M. Dziedzic	2133	Patricia J. Walton	7225	Oklahoma	B. Tom Fox, Oklahoma City	4114	
Barbara E. Eaglin	7225	Wilda M. Ward	2461	Charles F. Kyger, Norman	2541		
Norma J. Emptage	7225	Sylvia K. Whitten	1831	Clifford T. Schafer, Stillwater	1611		
Raymond Garcia	2462	Mildred H. Wiegiers	7225	Pennsylvania	Norman A. Herbst, Red Lion	2722	
S. Leopoldo Gonzales	2351	Herschell B. Young	7422	Tennessee	Wesley B. Estill, Oak Ridge	1621	
O. Blondell Henk	7225	Colorado					
Robert M. Jefferson	1626	Geraldine M. Everett,	7225				
Julia A. Kisely	2222	Colorado Springs	7225				
Joyce Y. Lawler	7225	Florida					
Paul A. Leonard	2461	Jack T. Caudill, Miami	1614				
Cynthia D. Mabery	7225	Orren E. Edwards, West Palm Beach	1245				
George W. McClure	2411	Iowa					
Ruth E. Merriam	6021	Anita E. Seaver, Cedar Rapids	7226				
Martha R. Newby	2231	Maryland					
Ira H. Patterson	2419	Robert L. Fisher, Hyattsville	7123				
Theresa F. Phelps	2461						

SHOPPING CENTER

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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 Mar. 15

FOR SALE

- '55 CHEVROLET STATION WAGON, RHO, 22,000 miles, \$1595. Ross, Alb. 9-1526.
- WALL HEATER, 35,000 BTU, \$60. Goad, Alb. 6-5266.
- ROPING SADDLES, one new and one used, Western style, reasonably priced. Pritchard, Alb. 6-7326.
- PIANO, upright, plays well, \$75. Alexander, Ext. 4-9181.
- GUITAR, \$10; string instrument, 40 strings; 5 religious books 80 years old—trade for guns, edged weapons. Pritchard, Alb. 6-5667.
- CHILDREN'S SWING SET, extra heavy, \$13. Littrell, Alb. 5-4620.
- ELECTRIC RANGE, Frigidaire, 40" (used for one year), \$150 or best offer. Barton, Ext. 3-6273.
- AIR CONDITIONER, Coldspot, one ton capacity, used 2 summers, \$100. Robertson, Alb. 5-6942 after 5 p.m.
- TELEVISION, 17", Bendix Console, new picture tube and tubes, paymaster check protector. Preston, Alb. 9-1948.
- '53 OLDSMOBILE SUPER 88 Hardtop, RHH, PB, WSW, custom seat covers, many extras, one owner. Stark, Alb. 6-8674.

AUTOMATIC IRONER Thor-Gladion, \$35; patio red umbrella, new, \$15. Saavedra, 1829 Indiana NE, Alb. 6-2997.

'51 PLYMOUTH, tudor, low mileage, good tires, 1957 plates. Brooks, Alb. 5-8264.

IRONER, automatic, General Electric flat type. Garcia, Ext. 4-3149.

COUCH, Lawson type, 2 pillows, grey frieze. Sandin, 3516 Anderson Ave. SE, Alb. 6-8015.

WORK BENCH, heavy duty, 6'x24" with vise, \$15. Persson, Alb. 5-5038.

TREE, mountain cottonwood, 4 yrs. old, \$5. Welker, 8510 Flower Pl. NE, Alb. 9-1179.

2 BR. HOME near bases, assume FHA contract, total price \$4,450, down payment \$985, \$49 month. Chavez, 1608 Gerald SE, Alb. 2-1791.

CRIB, 6-year, \$8; heavy duty 26" boys bike, \$8; Sears sleeping bag, all wool, used twice, \$8. Colborne, Alb. 9-4381.

'50 CHEVROLET STATION WAGON, \$525. Houts, Alb. 5-4903.

CUSHMAN MOTOR SCOOTER, extra parts, needs repair, \$30; 26" Indian, 3 gear bicycle, \$25. Penny, Alb. 5-4752 after 5 p.m.

3 BR. HOUSE, carpeting, air-conditioner, garbage disposal, patio, walls, landscaped, close to schools, \$11,400. Shea, 3112 La Veta NE, Alb. 6-4306.

'52 RAMBLER STATION WAGON, tan, R&H, \$425. VanZandt, Ext. 33148.

'56 FORD CONVERTIBLE, R&H, white side walls, Fordomatic, 15,000 miles, \$2,500 or best offer. Tschaech, Alb. 2-0405.

MAPLE BR. SET, 6 pcs., blonde dinette set w/extension, 4 coral chairs, Montgomery Ward refrigerator w/70 lb. freezer chest. Kraft, Alb. 9-1278 after 6 p.m.

SMALL TWIN BEDS, box springs, or will trade for 39 or 42" single bed. Mohar, Alb. 5-0477.

ICE SHOE SKATES, girls, size 7, \$7; genuine Taylor Tot, \$10; Baskinette, plastic liner, mattress, \$5. Overturf, Alb. 5-0382.

COLT .22 Woodsman, target grips, holster, \$55 or trade for German Luger. Smith, Alb. 9-1096.

CAMPING TRAILER, 10'x6'x6', aluminum covered, insulated, sleeps 4, '57 plates, \$595. Prekker, Alb. 6-0474.

TRAILER, steel, hitch, wired, 1/2 ton pick-up bed, \$75 or trade, gems, minerals, guns, etc. Hinds, Alb. 7-8543 after 5 p.m.

RECORD PLAYER ATTACHMENT, Columbia 3 1/2 rpm., \$7; Boodee buggy, \$10; portable evaporative room air conditioner, \$20. Tidwell, Ext. 31277.

WOOL RUGS, \$125; imitation fireplace w/electric logs, \$45; 3 venetian blinds, \$15. Pyetzi, 1013 Dakota SE, Alb. 5-6354 after 5 p.m.

TRIP-OVEN RANGE, GE, deepwell & timer. Gregory, Alb. 9-2461.

SECTIONAL SOFA, 2-piece, light green, \$50 or best offer. Hicks, 321 Manzano NE, Ext. 27144.

WRINGER WASHER, Speed Queen, motor completely rebuilt, \$30. Campbell, 1708 Buena Vista Dr. SE, Alb. 2-7347.

HOUSE, 2 BR., \$9400, \$200 down, GI, \$64 mo., air conditioned, landscaped, walls, sprinklers. Reeder, 2429 Elizabeth NE, Alb. 9-1736.

REFRIGERATOR, 9'; apartment size gas range, both for \$135. Flowers, Alb. 6-1656.

CHRYSLER WINDSOR SEDAN, 1956, two tone, 10,000 miles, very clean. Hoagland, Alb. 5-6186.

BEDROOM SUITE, 3-piece walnut, with springs and mattress, \$45. Bothell, Alb. 9-0031.

'40 BUICK SPECIAL, 4 door, 1946 motor, original paint, new brakes, clutch, battery. Stewart, Alb. 9-1130.

FOOD FREEZER, 18 1/2 cu. ft., upright, 640 lb. capacity. Swanson, Alb. 6-3693.

'54 MERCURY STATION WAGON, 9 pass., RHO, tinted glass, \$1675. Drummond, Alb. 9-1309.

2 WHEEL TRAILER, w/sides, \$50. Wilkinson, Alb. 9-3434.

QUALITY DISHWARE, complete set, 8 place settings, 48 extra pieces, used only five months, cheap. Alberts, Sandia Base Ext. 37298.

DRAPERIES, 2 pr., 196"x58", 268"x58" w/rods, \$45 or will sell separately. Goen, Alb. 6-6385.

'40 FORD COUPE, '48 Mercury engine, \$100. Gentry, Alb. 3-1120 after 6 p.m.

HOUSE TRAILER, 2 br., effective length of 48 feet, air-conditioner and carpeted living room. Judd, Alb. 8-0468.

DESK AND CHAIR, solid mahogany, needs refinishing, no reasonable offer refused. Wright, Alb. 5-6180 after 5 p.m.

'56 RAMBLER STATION WAGON, sell or trade for cash and old model car. Stixrud, Alb. 9-0674.

SIAMESE KITTEN, spayed Seal Point, has been inoculated. Weiss, Alb. 2-1277 after 5 and weekends.

3 BR. HOUSE with 1200 sq. ft. basement, forced air heating, walled yard, patio, Bandelier School district, \$13,500. Terms. Lamb, Alb. 6-1065.

SPORTSPCAR, King midjet convertible, 60-65 MPG, 2 seater, \$275, sell or trade. Haskell, Alb. 9-1988.

MALE BOXER, 6 mo. old, AKC, shots and ears completed, for family only. Reynolds, write P. O. Box 834, Tijeras, N.M.

GAS RANGE, Dixie 30 inch, \$30. Coleman, 404 Montclair SE, Alb. 5-6850.

VENETIAN BLIND, steel slat, 56x76 in., \$15. Armstrong, Alb. 6-6555.

MAYTAG DUTCH OVEN RANGE, safety controls, \$140. Garcia, Alb. 3-3484.

'54 FORD RANCHWAGON V-8, o/d, heater, low mileage, \$1200. Strome, 4004 Hannett Ave. NE, Alb. 6-3469.

THREE BEDROOM HOME 1 1/2 baths, brick veneer, porch, landscaped, sprinklers, N.E. Heights, \$18,000. Lower price for substantial down payment. Cox, Alb. 9-0480.

WANTED

CEMENT MIXER, 2-5 cu. ft. capacity. Ashmore, Alb. 6-8304.

TO TRADE WINCHESTER 30-30 carbine for 38 cal revolver. Prefer S&N Special. Reilly, Alb. 4-6703.

BINOCULARS, Bausch & Lomb or Zeiss, 6x30 or 8x30. Farley, Alb. 9-0752.

FRONT WHEEL DRIVE UNIT from Allys Jeep; several items to trade. Aaron, 4377 Maple NE, Alb. 3-4684.

SADDLE for horse, reasonable. Flanagan, Alb. 9-4268.

CONGENIAL GIRL to share 2 bedroom, modern apartment. Sarah Malouff, 1316 Tijeras Ave. NE, Alb. 3-0249 after 5 p.m.

HOLLYWOOD BED, single 39", complete; 24"x22" mirror. Ozmun, Alb. 5-2119 or Alb. 6-8312.

TO TRADE or sell power lawn mower for '24" girls and '24" boys bike. Morris, Alb. 6-6568 after 5:30 p.m.

LOST AND FOUND

LOST—Topcoat from Cononodo Club Friday Feb. 1, Dunbar Keith size 42 ex. long, pigskin gloves in pockets. Hoagland, Alb. 5-6186.

LOST—Gloves, tan buckskin; glasses, safety; keys, w/Thunderbird emblem; gloves, tan wool; lighter, w/parachute insignia; pipe w/bellschmuck; lipstick, Max Factor; key w/beer; earring, turquoise. Lost and Found, Ext. 26149.

FOUND—Swater, blue hand crochet; earring, black & white cotton; keys, 2 on green string; ladies glasses, clear frame; watch, w/black band. Lost and Found, Ext. 26149.

FOR RENT

1 BR. STUCCO HOUSE, Cedar Crest, accessible, quiet, no dust, new furnished, utilities paid, \$75. Smith, Alb. 5-0645.

UNFURNISHED APARTMENT, 3-room, garage, storage room, patio, 4100 Mesa Verde. \$65. Carter, Alb. 6-1763 or Alb. 5-4403.

SHARE MY HOME with working girl, private room and bath, all conveniences and board, \$65 mo. Wanda Payne, 1025 Arizona SE, Alb. 6-5885.

4 BR. SNOW HOME, unfurnished, available Mar. 15. Ward, Alb. 9-0944.

ROOM in private home, close to Sandia Base. Aycock, Alb. 9-0385.

Sandia's Publishers Row—Part II

Artists, Photographers, Printers in Race With Time



TECHNICAL ARTISTS in Technical Illustration Section I, 2463-1, prepare illustrations to be used in Sandia Corporation Military Publications. L to R are Doug Reeves, Don Saunders, Richard Volpe, Clifford Booth and Section Supervisor John Suttman. This is one of two sections of 25 tech artists.



COLLATING is done in the Photo and Reproduction Division, 2462. The assembly is checked for accuracy, covers added and looseleaf fasteners inserted. Roy Dunlap, Section Supervisor, discusses a work order with Bess Roach at his desk at the rear of the collating area. Art Perry is night supervisor.



OFFSET PRESSES print the pages of Sandia's technical manuals. Presses run day and night with two shifts of press operators. Shown here, L to R, are Marie Thompson, Agnes Novogradski, Dorothy Lewing, Fred Pena, Edith Worley, Bess Roach. Speedy presses keep pace with manual writers.

Editor's Note—This concluding article about the Corporation's military publications tells of the artists, photographers and graphic arts experts found on Sandia's "publishers row." The first article dealt with technical writers of Org. 7120.

From the viewpoint of the Photo and Reproduction and Technical Art Divisions, 2462 and 2463, publication of technical manuals is a race against time and weapon technology advancement.

Technical advances can render whole weapon and weapons systems obsolete and, along with them, the technical manuals written by Military Publications Department, 7120.

Work on military manuals in the Photo and Reproduction and Technical Art Divisions begins almost simultaneously with the start of a project by a technical writer of 7120.

Illustrations Determined

When the technical writer begins to outline the contents of his manual instructions go to the Technical Art Division on what art work will be needed.

The artist makes his drawings as the writer completes his copy. In the meantime, typewritten copy has been sent to the Photo and Reproduction Division for Ozalid copies to be used for editing purposes in rough draft stages. Art work as it is completed goes to the photostat room to be reduced to page size. The rough draft must be complete in all details—text and illustrations approved—before a printing order is issued.

J. J. "Mike" Michnovicz, Photo and Reproduction Division Supervisor, and Wally Ives, Technical Art Division Supervisor, obviously must have close working arrangements between their divisions as well as close contact with the writers in the Military Publications Department.

Always Early Deadline

"There's always an early deadline on technical manuals," Mike says, "and it requires cooperation among all of us to meet that deadline."

Sandia Corporation's technical manual producers take advantage of the old adage, "a picture is worth a thousand words." Illustrations by the technical artists are detailed, in perspective and three dimensional in effect—invaluable to the men operating, maintaining and testing the devices.

"Exploded" Drawings

In Frank Ewing's Technical Illustration Section II, drawings are made to illustrate the parts catalog issued on each weapon. These drawings show the device "exploded" with each removable part pulled out of the main section and carefully keyed and labeled for explanation in the text of the manual.

John Suttman is Supervisor of Technical Illustration Section I whose artists prepare the illustrations for the operational manuals.

"An artist has to have great visualization ability," he says. "They work from engineering blueprints, photographs, the device itself, and on occasion just an oral description. The artist's drawing usually has to be as ac-

curate as a draftsman's blueprint."

Photographer Assigned

When photographs are required for manuals, Wally Boyes, Photography Section Supervisor, assigns one of his 10 photographers to the job.

Working with the project engineer, the photographer composes his picture, makes the necessary exposures and develops and prints his own negatives. Men of the Photography Section also operate the copy camera used in making negatives necessary for offset printing plates.

Once a rough draft is approved and final page layouts prepared by 7120, the "masters" as the finished layout pages are called, are sent to Photo and Reproduction with final printing instructions.

First step after the job has been scheduled in the Photo and Reproduction Division is making the lithographic plates from negatives of the masters photographed by the copy camera. The plates then go to the offset press operators who print the complete job.

Day and Night Shifts

Two shifts are required in the print shop to handle the work. Roy Dunlap is Section Supervisor for the day shift and Art Perry supervises the night shift. Each shift employs 18 persons.

After the pages have been printed, bindery operations begin. The printed sheets are collated, checked for accuracy, assembled with covers, drilled for loose leaf-type binding, and finally metal fasteners are inserted. The finished job is counted and packaged for distribution.

The "masters" are returned to Department 7120 and the offset plates are filed in Archives for future use.

A total of 75 persons work in the Photo and Reproduction Division including the two shifts in the print shop. There are 14 in the Photography Section, nine day shift Ozalid operators, eight night shift Ozalid operators, two photostat operators, and three office personnel plus supervisors.

15 Days for Completion

"From 12 to 15 working days is the average time we have to get the complete job through our printing shop and through distribution," Division Supervisor Michnovicz says. "Technical manuals in the past have averaged 80 to 120 pages with 800 to 1000 copies required. Currently, the trend is toward 150 to 200 pages with the print order running between 2000-3000 copies."

The entire operation of writing, illustrating and printing Sandia Corporation's military publications is one calling for close teamwork. The manuals issue from the print shop almost daily and time schedules must be met.

The civilian, the soldier, the airman, the sailor read with confidence the product of Sandia's publishers row.



COPY CAMERA operated by the Photo Section, 2462-1, is used to reduce all layouts and drawings used in technical manuals to page size. Negatives from this camera are necessary in making the lithograph plates for the offset presses. Dave Tafoya, left, and Vince Newman are operating the copy camera.