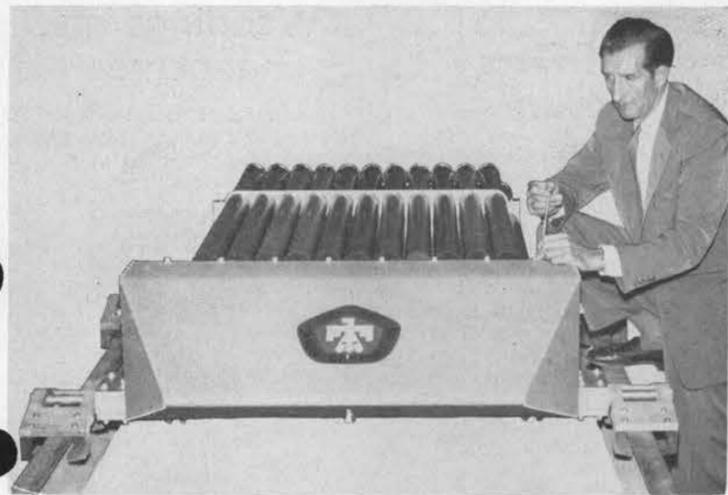


Record-Breaking Rocket Sled Shown in Armed Forces Display



ROCKET SLED which established a world's ground speed record of more than 1700 miles an hour will be exhibited at the Armed Forces Day show tomorrow. W. T. Smith (5215) is shown preparing to check the telemetering packages in the nose cone.

A Sandia-designed rocket sled, which established a world's record ground speed of over 1,700 miles an hour, will be one of the many items displayed tomorrow afternoon during the Armed Forces Day exhibit.

The sled will be on display with other exhibits in the area near the east gate to Sandia Base. The Sandia display, a joint undertaking of the armed forces on Sandia Base and Sandia Corporation, will be open to the public from 1 to 4:30 p. m.

With the exception of a mock nuclear blast, there will be no scheduled times for the Sandia ex-

hibits. The mock explosion, complete with mushroom cloud, will be detonated southeast of the exhibit area at 1:00 and 1:30 p. m.

A second blast will be set off later in the afternoon.

Air Show

Kirtland Air Force Base will open its gates in the morning at 9 with an air show scheduled from 10:15 to 11 a. m. The Kirtland exhibit will close at 1 p. m.

Powered by 40 rockets, the rocket sled attained a speed of 2502 feet per second in 0.8 seconds after it was fired, setting a record for recoverable sleds. The firing took place last year at the China Lake Naval Ordnance Center track in California. The record was later broken.

The sled was designed by R. E. Marsh (1245) to subject components mounted in its nose to

high accelerations and high velocities. By comparing recovered components with data obtained by telemetry during the test it can be determined how components reacted to the extreme conditions.

During the design of the sled Sandia's analog computing facilities were utilized to predict the acceleration velocity the sled would experience as well as the distance it would travel. The theoretical stopping distance and the actual distance were almost the same—approximately 12,000 feet from the launching position, or a little more than half the length of the track.

Stopping was accomplished by the high drag nose on the sled which was slowed down by air resistance.

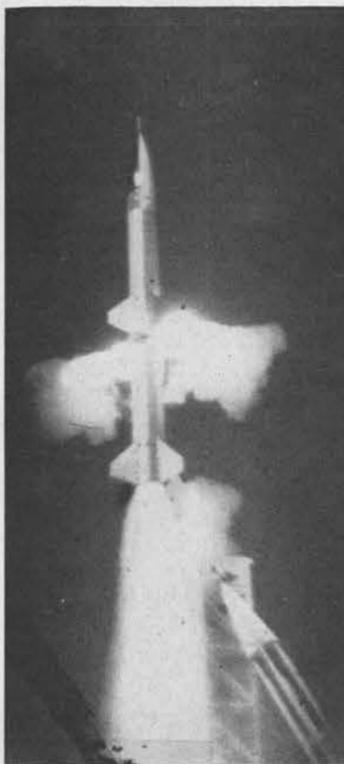
New Nose

The nose on the exhibit model is a new one designed to permit the sled to travel a greater distance before stopping. The sled and new nose are expected to be tested this fall and will probably attain even higher velocities.

Conducting the tests at China Lake were Andrew J. Max, Test Project Division III (5253) and Bill Everhart (5216). Detailed construction and sled shoe design were done by Armand Fink (5213). Stress analysis was performed by Asa C. Wilson (1282) and the aerodynamic study was done by Kenneth Cordes (5144). Jerry Maloney (1244) worked out the mathematical problems involved in the design of the sled and Fred Wyatt (5242) programmed the design data on the analog computer. Construction of the sled frame and nose section was done in the Sandia model shops (2100).

Notice

Effective immediately automobile insurance stickers will no longer be needed on vehicles registered on Sandia Base. Insurance requirements will remain the same, however, and notices will continue to be sent employees reminding them to renew their insurance when necessary. Insurance renewal forms should be returned completed to the Employee Services Section (3122-1), when insurance is due to expire.



TWO STAGE ROCKET used for high altitude research studies is similar to one which will be placed on exhibit during Armed Forces Day, May 17.



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ALBUQUERQUE, NEW MEXICO

MAY 16, 1958

Housing Needed By Summer Hires

Housing is being sought by the Employee Services Division (3122) to accommodate a group of students and faculty members who will be working at Sandia Corporation during the summer months.

Approximately 20 summer hires and their families will need housing and will pay rent for the facilities. Employees who have spare rooms, furnished apartments or houses, and are interested in renting them for approximately three months are asked to call Employee Services, Ext. 26149.

W. H. Kingsley Speaks At Firemen's Meeting

W. H. Kingsley, supervisor of the Industrial Hygiene Division (3162), discussed "Problems of the Fireman with Industrial Expansion" at the 31st annual conference of the Southwestern Division, International Association of Fire Chiefs.

The meeting was held at the Hilton Hotel in Albuquerque May 5, 6 and 7.

Also appearing on the program was H. A. Spavin, Chief Fire Protection Engineer, Albuquerque Operations Office, AEC. Mr. Spavin spoke on the subject, "Pyroforic Metals."

General chairman for the session was T. A. Rosenwald, Inspection and Fire Prevention Section (2442-1) who is New Mexico vice president of the association division.

Eight Sandians Elected As New Officers of ASM

Eight Sandians have been elected to serve as officers of the Albuquerque Section, American Society for Metals.

Elected as chairman was Howard E. Montgomery (1626), Donald S. Johnson (1621) was named vice chairman and Fred R. Sweet (1217) was elected secretary. Treasurer is Arthur W. Porter (2111).

Named to the executive committee were Douglas W. Ballard (1624), Gerrit Hof (1621), Wiley T. Holmes (1218) and Lewis P. Wilson (1621).

Base Radio Club to Meet

The Sandia Base Radio Club will hold a "get-together" meeting at the base club room May 27 beginning at 8 p. m.



ARMED FORCES DAY display will include these working models illustrating the role of quality assurance in the development of nuclear weapons. Here Johnny Atencio, left, (2121-4) and Charles L. Becker (2121-2) put finishing touches on the models. Richard Hicks (2121-4) also worked on the interesting display.

Superintendency Transfers For G. A. Parker, L. J. Heilman

Effective June 1, L. J. Heilman, Superintendent of Industrial Relations, and G. A. Parker, Jr., Superintendent of Inspection and Plant Security, will assume different positions.

Mr. Heilman will replace C. W. Campbell as Superintendent of Research & Development Staff Services. Mr. Campbell is transferring to the Livermore Branch. Mr. Parker will succeed Mr. Heilman as head of 3200 organization.

At the close of World War II Mr. Heilman was stationed at Sandia Base as the Base Engineer and accepted a civilian position as manager of the Plant Maintenance Department under the University of California. He held that position until Jan. 1, 1951, when he became Superintendent of Plant Services. In March 1956 he was transferred to Industrial Relations.

Mr. Heilman has a BS in Civil Engineering from the University of Missouri.

Mr. Parker started with the Bell System as stock selector at Hawthorne Works in June 1936; after various assignments he became Section Chief in 1944.

In 1947 he was promoted to Department Chief, Industrial Relations, at Duluth, Minn., which he left in 1950 to attend the Labor Relations and Management Training Course, followed by nine months as Department Chief, Labor Relations (Manufacturing Division), at 195 Broadway.

Returning to Hawthorne in March 1952 as Assistant Superintendent, Labor Relations, he later held a similar position for Teletype Corporation for a year and a half. He was Assistant Superintendent, Printing and Reproduction, at Hawthorne prior to reporting to Sandia in April 1956 as Superintendent of 2700. He attended the University of Illinois and the University of Chicago.

Mr. Parker's successor has not yet been named.

Health Care Sign-Ups Gain; 2600 Sandians Have Joined

Sandia Corporation employees' new Health Care Plan has met with an enthusiastic response with more than 2600 employees signed up since the enrollment period began Apr. 16. The current enrollment period will end June 2.

Although the plan has been established here only a short time the Employee Services Organization (3122) reports that they have already received a number of claims for coverage under the new plan.

Sandia employees are not alone in their acceptance of this expanded coverage, a recent estimate by a leading insurance company shows. Philip H. Peters, vice president of the John Hancock Mutual Life Insurance Company, has predicted that more than 5000 companies are expected to institute major medical plans this year, compared with only 300 such plans written in 1952. Mr. Peters' statement was published in the Industrial Relations News.

Sandia employees are among the first in the nation to be covered under such an improved plan.

Mr. Peters' estimate is backed up by a survey made by the Research Council on Economic Security, also printed in the News, which reported that one out of every five employees in the country will probably be struck by a lengthy illness sometime in the next five years. The report also stated that more than 2,000,000 employees suffer prolonged illnesses each year at a cost of \$700 million in medical expenses.

The popularity of the new Sandia Health Care Plan is attributed to an awareness that major medical expenses can and do affect the individual.

"Sandia's Health Care Plan provides the increased coverage needed to help cope with the rising costs of medical expenses, replacing the less adequate coverage provided by more conventional plans," says Sam Mancuso, Employee Services and Benefits Section (3122-1), whose organization is administering the new plan.

"Conventional plans were designed specifically for short term disabilities, leaving the individual financially vulnerable to the big expenses imposed by catastrophic illnesses," Sam says.

He said that such plans were largely restricted to in-hospital treatment. They did not provide for diagnostic and preventive treatment, especially out of the hospital. The plans met some of the costs of sickness, Sam explained, "but did not contribute to maintenance of health. They did not provide adequately for the higher costs of medical treatment, and specifically failed to provide against the costs of physicians' non-surgical services outside the hospital."

"A study of claims experience under the old plan at Sandia showed clearly that coverage was not adequate to cover the cost of medical expenses experienced by many Sandians," Sam said, emphasizing that the new Health Care Plan helps materially decrease the employees share of costs.



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For Sale: Peace of Mind

In these days of increased cost of living we find it particularly costly to be sick or injured. A person has to be in mighty substantial financial condition to face without flinching the charges of doctors, hospitals, ambulances, druggists and the like. This is especially true in cases which might be called "catastrophic" or which involve the dread diseases.

In the past, when we were confronted with substantial expenses, there were two choices: pay them out of savings, or borrow the money. The previous health insurance plan at Sandia helped, but recently it has become apparent that the present plan falls short of our needs. This has given rise to the Sandia Health Care Plan.

Comprehensive health care as a function of group insurance is a relatively new concept in America, and the popularity of the plan indicates it will spread rapidly. The idea is to provide insurance coverage in three areas instead of two — to include out-of-hospital medical expenses as well as hospital costs and surgical fees.

No one is every really prepared for the high cost of extended illness. Most families are buying homes, furnishing these homes, trying to keep the car in good shape, and put a little money aside for that "rainy day."

That rainy day may be a lot worse than we expect it to be if it happens to involve medical care and hospitalization, or expensive medication and treatment. It can take all one's savings, even that new home or car, wreck plans for the education of the youngsters.

In the past year a number of Sandia families had medical expenses of between \$2,000 and \$5,000. It could happen to you. Sandia's new Health Care Plan is a strong bulwark against financial distress due to illness or injury, tailored to the needs of our people. We're sure that "never has so much protection been provided for so many for so little money." Join today!

Livermore Get-together

Tickets for the Livermore Branch's annual Thunderbird Shuffle at the Castlewood Country Club went on sale last week. The dance is slated for June 7.

Tickets may be purchased in advance. They are being sold by Pat Mann (8220), Jerre Clark (8222), John Anderson (8123-2), Gunner Scholer (8111-1), Kay Schall (8221-1), and Ernie Alfred (8111-2).

Shower

Girls in Section 7226-1 held a dinner and baby shower early this month for two of their members, Janette Passmore and Ann Cannon.



Pat Metzler

Take a Memo, Please

If a load appears too heavy to lift alone safely, ask your supervisor for help but do not in any case exceed the established lifting limits of 60 pounds for men and 30 pounds for women. Let's use our heads and save our backs.

Olivers' New 22' Cruiser Offers Fishing, Water Skiing, Leisure

Ready for a water-borne vacation this year are Matt Oliver (8131-1) and his family, who bought a new 22-foot cabin cruiser recently.

The pleasure craft is named the Gini-O, after Matt's wife, Virginia, a former Albuquerque employee in Sandia's personnel organization.

The plywood-hulled boat has a 220 hp engine powerful enough to race the cruiser along at 40

mph. The boat can comfortably carry six people and sleep two.

Matt docked the cruiser at Bethel Island, about 30 miles from Livermore in the Sacramento-San Joaquin River delta area. This gives the Olivers an opportunity to travel inland up the rivers, down to San Francisco Bay, or even into the Pacific.

Fishing for striped bass and water skiing are also in the Olivers' plans, on week-end cruises as well as during vacation.

Long Absence

Back at Sandia after an absence of nearly two years is Kenneth L. Hankins, a draftsman in 7411-4.

"Ken" has been serving in the Army; 16 months of his tour he was a draftsman in Wuerzburg, Germany. He was first employed by the Corporation in August 1952.

Best Reason

For no special reason, except perhaps the coming of spring, Division 5521 had an organization party at the La Cana room of the Coronado Club on May 3.

Choice Spots

Two Sandians have just returned from two week tours with their Navy reserve units.

I. L. Gasser (5523-4) was on submarine duty, stationed at Key West, Florida.

L. E. Horner (5522-2) was also on submarine duty but his refresher tour included a trip to Hawaii.

New Heir

Helen Davies (7225) and her husband are headed for Las Cruces to adopt a baby girl whom they will name Linda May. The infant was born on Apr. 2.

Welcome Back

Just returned from sojourns in hospitals are E. E. Minor and E. P. Hubbs. Their co-workers in 5522-1 welcome them back.



NEW OFFICERS of the recently organized Sanado Women's Club are (front row, L to R) Mrs. W. R. James, secretary, Mrs. W. Sharp, third vice president, and Mrs. R. E. Hopper, first vice president. Standing are Mrs. J. E. Gross (left), treasurer, and Mrs. T. L. Pace, president. They assumed office this month.

Expensive Visit

Misfortune laid a heavy hand on Homer Messenger (2721-3) and his wife as they were about to start their vacation.

While they were visiting friends for an hour or so vandals entered their home, slashed furniture and clothing, cut all electrical appliance cords, sprayed an insect poison on foods in the refrigerator, and destroyed radios and TV sets that Homer was repairing. Damage was estimated at about \$1,500.

Best Wishes

Fred (7424) and Bea Leckman celebrated their 15th wedding anniversary on May 11.

Honored

Joan Nielsen (8222) was named chairman of Hayward High School's Alumni Association recently. She will be in charge of planning a dinner-dance on June 13 for the Class of '54.

Europe Bound

Sybil Milligan (AEC - Sandia Area Office) left last Saturday to fly to New York, attend an exciting Broadway play, and continue on her way to 10 European countries.

Pat Renschen, a former Sandian, will meet her in Germany and together they will motor through the countryside around Wiesbaden and Bavaria.



27 INCH TROUT was hooked by Lawrence Forcum, son of Ted Forcum (2234-2), on opening day in the Red River country. Bob Tant (2234) and his wife were also on the successful trip.

Congratulations

Born to:

Mr. and Mrs. Leo P. Adopaca (7241-2) a son, John Paul, on Apr. 11.

Mr. and Mrs. W. C. Randolph (2551-4) a son, Mark William, on Apr. 21.

Mr. and Mrs. I. M. Scott 1621-1) a daughter, Keri Elizabeth, on May 1.

Mr. and Mrs. Gene Mead (1283) a daughter, Kyle Allison, on Apr. 18.

Mr. and Mrs. Edgell C. Gooden, Jr. (5524-2) a daughter, Deborah Jane, on May 3.

Mr. and Mrs. W. E. Bosken (1611) a daughter, Marion Rita, on May 1.

Mr. and Mrs. Eugene Chavez (2722) a son, Joseph, on May 1.

Mr. and Mrs. Ken Cole (1473-1) a daughter, Janet Lynn, on May 6.

Mr. and Mrs. Mac D. Weaver (7411) a daughter, Roxanne Sue, on May 6.

Mr. and Mrs. D. A. Watt (2133-2) a daughter, Sherryl Ann, on May 4.

Mr. and Mrs. Robert J. Tockey (8122) a son, Stephen Robert, on May 6.

Mr. and Mrs. Dennis Chavez (AEC-Sandia Area Office) a third son on May 1.

Mr. and Mrs. Nick Pavletich (2522-2) a daughter, Cathy Lynn, on May 1.

Sympathy

To Paul Pewe (2513) for the death of his father in Rock Island, Ill., Apr. 29.

To B. K. Stearns (1282) for the death of his infant son on Apr. 25.

To George Neun (1284) for the death of his mother-in-law in Englewood, Colo., on Apr. 26.

To E. E. Chestor (5522-1) for the death of his father in Denver on May 1.

To Ralph Edaburn (2152-5) for the death of his brother in Creston, Iowa, on Apr. 23.

To Gordon P. Barnett (1611-3) for the death of his father in Odessa, Mo., on Apr. 27.

To J. R. Adkins (4333-2) for the recent death of his mother-in-law.

To Dorcas Crosby (4131) for the death of her sister in Ohio.

To Audrey Rouckus (7411) for the recent death of her father.

To Albert Eno (7411) for the death of his father recently.

Weddings and Engagements

Congratulations are extended to Rosalie (Marquez) Martinez (2112) who was married Apr. 19 to Leroy Martinez of Sanford,



Rosalie Martinez

Colo. The ceremony was held at the St. Joseph's Church in Capulin, Colo.

Rosalie has been with the Corporation since September 1957.

June 14 has been set as the wedding date for Shirley Ann Worden (2553-3) and Ronald P. Roberts of Albuquerque.

The ceremony will be held at 11 a. m. at Annunciation Chapel followed by a wedding trip to Colorado.

Shirley Ann has been employed at Sandia since last October. The bridegroom is majoring in Electrical Engineering at the University of New Mexico and works for the Public Service Co.



Shirley Worden Jane Henderson

Jane Henderson (2553-3) will be married next Friday to Frank A. Robinson during an evening ceremony at the Sandia Base Protestant Chapel. A reception in the church parlor will follow.

The couple plans a wedding trip to Georgia.

Jane has worked for Sandia Corporation since August 1956.

The engagement of Kristen Waide to Lawson M. Phylfe was announced recently during a luncheon at the Kachina Room of the Airport. The wedding has been set for June 14 at 7 p. m. at Immanuel Presbyterian Church.

Kristen has been in Sandia in organization 2731-1 since February.

Back from a honeymoon trip to Carlsbad, El Paso and Denver are Charles Kinser and his bride, the former Sandra L. Collier.

The wedding took place at the Latter Day Saints church in Albuquerque.

Sandra has been at Sandia in organization 2731-1 since November 1956. Her husband is a staff sergeant in the Air Force.

Choice Location

The Shriners' Convention in Mexico City May 29, 30 and 31 will have a number of Sandians in attendance.

Marie Ream (3100) and her husband, Hal (AEC-ALO), plan to drive to Juarez and catch the chartered convention train. Also in the group will be Kenneth Carter (AEC-ALO).

Leaving Albuquerque on May 22 will be Jacob Isoma (2121-4) and Chuck Bray (2112-1) and his wife. They will drive via the west coast to Mexico and plan to visit a retired Sandia Corporation employee, Niveo Fisher, who now makes his home Guadalajara. They will return by way of Laredo.

Joan Sorenson (8212) announced her engagement recently to Robert R. Friend, an airman stationed at Parks Air Force Base. Their wedding will take place early August.

Mr. and Mrs. J. Lazarr (5216) announce the engagement of their daughter Sandra Lea to David J. Bearersted, son of Mr. and Mrs. H. E. Bearersted (2711-6).

Windell Gillette, a staff assistant in 2711-6, and Louise Moore of Albuquerque were married May 3. Best wishes are extended to the newly-weds.

'Arms, Legs' of Full Scale Test Is Description of Field Services

"The arms and legs of the Full Scale Test Department" is how Richard A. Bice (5200) once described the job of the Field Services Division (7232) which is now supporting Sandia Corporation's task unit in the Pacific during the current test series.

Concerning itself with items ranging from tool boxes to weapons, the division does much to relieve Sandia engineers and scientists of administrative details at the test site and allows them to concentrate on their scientific mission.

Personnel in the division's three sections, Field Support Section (7232-1), Field Services Section A (7232-2) and B (7232-3) shuttle back and forth to and from the test site, keeping supply lines flowing to the Sandia Task Unit.

Specifically, the Field Support Section is in charge of all ordering, scheduling, property control, travel, clearances, vouchers, time-keeping, communications, packaging, shipping and receiving for test operations involving the Sandia Task Unit.

The Field Services sections han-

dle pre-operational logistic planning and status reports including setting up personnel and material channels to the test site. At the proving ground, the section handles shipping and receiving, storage, transportation and office administration which includes document control, musters, mail, housing, travel and related activities.

Heading up this "miniature Sandia Corporation" is Charlie O'Keefe (7232) and his section heads, C. A. Blossom (7232-2) and A. R. Verardo (7232-3). The Field Support Section (7232-1) is temporarily administered by Norm Ollman, who has been transferred from 7232 to the Materials Service Division (7233).

IGY Colloquium Topic

The Sandia Research Colloquium has announced that its May 20 meeting will be held at the Los Alamos Scientific Laboratory, beginning at 8:10 a.m. Speaker will be Harold Busey of Los Alamos who will show a movie entitled, "An IGY Oceanographic Expedition Movie."



PLANNING for the annual meeting of the New Mexico Section, American Society of Mechanical Engineers, are (L to R) Max Smith, Kohlhaas Tank and Equipment Co., Jim Arthur (2543), Art Clark (1472), Lee McKittrick (1611), Don Spatz (1245), Gene Gardner (2154). The meeting is May 28

'Lum' of Abner Team Will Speak at Annual ASME Meeting May 28

A well-known entertainer, "Lum" of the Lum and Abner team, will be featured speaker at the annual "Year-End Ladies Night and Joint Student Dinner Meeting" of the New Mexico Section, American Society of Mechanical Engineers.

The event will begin at 6 p.m. Wednesday, May 28 with a cocktail hour at the Coronado Club. A dinner at 7 follows.

Chester Lauck, better known as Lum Edwards, has entertained millions for 25 years as the genial proprietor of the "Jot 'Em Down Store" of radio and movie fame. He has been an executive assistant of the Continental Oil Company since 1955, traveling more than 100,000 miles on speaking engagements.

The entertainment program was arranged by E. K. Gardner (2154). Awards to student members of the ASME during the evening will be handled by a committee headed by Lee McKittrick (1611) and Prof. A. D. Ford of the University of New Mexico. Mr. Lauck's appearance was arranged by Max Smith, vice chairman of the section.

The meeting is open to all ASME members, student members, wives and others who wish to attend. Reservations for the dinner meeting can be made by calling Don Spatz (1215) at ext. 33158 or AX 9-0410. Price of the dinner is \$2.75.

Mountain Club Meet May 20 Open to Public

All persons interested in hiking, mountain climbing and skiing are asked to attend the May 20 general meeting of the New Mexico Mountain Club where they will be given an opportunity to learn more about the club and its activities.

The meeting, beginning at 8 p.m., will be held in the Radiation Therapy Center (between Lovelace and Bataan Hospital). Business will be kept to a minimum to show guests movies and slides of club activities and a display of mountaineering equipment.

Tomorrow, May 17, the club will take a trip to Golden and Madrid, New Mexico, touring interesting rock formations and a petrified forest in the area. Fee for the trip will be 50 cents.

A ski tour, the last of the season, is planned by the club tomorrow and Sunday in the Wheeler Peak Area, under the leadership of Hank Tendall (1215).

Dick Martindell (1422) will lead the group on a practice rock climb on May 25. A visit to an area north of Moriarty May 31 to view Indian petroglyphs concludes the month's activities.

Banquet Planned By AIIE May 19

An annual banquet dinner is planned May 19 by the Albuquerque chapter, American Institute of Industrial Engineers, beginning at 6 p. m. in the Candlelight Room of the Kirtland Officers' Club.

Speaker for the evening will be Francis Burton, Albuquerque Traffic Engineer, who will discuss present and future traffic problems in Albuquerque. Dinner will begin at 7 p. m. and reservations may be made by calling Joe McDowell (2514) by Monday, May 12.

Note: Novice Chemists

The University of New Mexico has requested the assistance of Sandia Corporation employees expecting to register in the fall semester for Chemistry I (General Chemistry).

In an attempt to better schedule this particular course the university would like an estimate of prospective enrollment. Employees interested in Chemistry I are asked to contact W. H. Bailey, Staff Training and Education Section 3123-2, ext. 45157.

Sandia Pilots Fly F-100's In Air Guard's 'Hottest' Group

A group of Sandia Corporation Air National Guard members have the distinction of belonging to the fastest guard squadron in the United States.

Their 188th Fighter Squadron was recently singled out to receive the first F-100 fighters delivered to the Air National Guard.

Sandians who fly in this super-sonic squadron are Major Dan McKnight (5200), Capt. Hugh Bowers (1613-3), Capt. Dave Henry (5223), Capt. Jim Stark (5144), Capt. Ken Sarason (1283), Lt. Bobby G. Neeld (1461), Lt. Henry A. Mullin, Jr., (1224), and Lt. Ira Holt (5144).

These "jet jockeys" comprise about one-third of the flying crew of the squadron, which was selected this year as the nation's outstanding squadron in the Air National Guard.

For this achievement the squadron was awarded the Spaatz trophy and the Individual Unit Trophy of the Air Force Association. These awards contributed largely in the selection of the squadron as the first F-100 ANG unit.

By late spring, the squadron will have 22 F-100's, all based at Kirtland, headquarters for the 188th.

Four of the F-100's will fly in the air show tomorrow morning at Kirtland during the Armed Forces Day show.

To learn how to fly the sleek swept-wing, shark-nose ships, these Sandians have attended school three nights a week at Kirtland for five weeks, and are now putting the ships through their paces.

Ordinarily, ANG pilots attend flying sessions two nights a week and fly every weekend. Once

a month, during a formal drill period, they spend an entire day aloft.

In past summers, when the squadron was equipped with F-80's, the group spent two weeks active duty at Casper, Wyoming. This year, however, summer training will be at Kirtland since the Casper field isn't large enough for the new F-100's.

Sandians in the squadron log about 220 hours flight time a year, much of it on cross country proficiency flights. Dan McKnight has the most time to his credit in the group, having flown 3700 hours since his days as a World War II pilot.

Before the squadron had F-100's, Dan flew to Chicago in two and one half hours in an F-80 on a "cross-country." "With an F-100, it shouldn't take any time now," Dan said.



SANDIA'S "JET JOCKEYS" pose proudly with one of the first F-100 super-sonic fighter planes to be delivered to their outfit, the 188th Fighter Squadron, New Mexico Air National Guard. They are (L to R) Lt. Henry A. Mullin, Jr. (1224), Lt. Ira Holt (5144), Maj.

Dan McKnight (5200), Capt. Hugh Bowers (1613-3), Lt. Bobby G. Neeld (1461), Capt. Ken Sarason (1283), and Capt. Jim Stark (5144). Not appearing in the photo is Capt. Dave Henry (5223), who was overseas in the Pacific when the photo was taken.

Sandianotes . . .

J. W. Pinkerton Honored By Scouts For 15 Years of Active Interest

When J. W. Pinkerton (2721-3) was invited to attend the installation of new officers at the Boy Scout troop sponsored by Trinity Methodist Church, he was in for a surprise. The District Scout Executive presented him with a 15-year service pin from the National Council of the Boy Scouts of America.

Mr. Pinkerton became interested in scouting when his son, now 25, became a cub scout. Since then he has served as chairman of various committees, member of district committees and for the past six years as an institutional representative.

All of his scouting work has been in Albuquerque with the exception of one year in Las Vegas, N. M., and three years in Oklahoma City.

Southern Duty

From Fort Belvoir, Va., comes word about Second Lt. Edward J. Graeber, Jr., a metallurgical engineer on military leave from Sandia Corporation.

He is now assigned to the Materials Branch at the Army Engineer Research and Development Laboratories which deals with new materiel, methods, and techniques required for military operations.

"Ed" and his wife and their nine-month-old twin daughters live at 1105 C-4 Kimbro Loop, Fort Belvoir.

Summer Transfer

New arrivals in Albuquerque in mid-June will be Christine and Charles Stockley, following their delayed honeymoon in Honolulu.

Mr. Stockley is in Field Testing (5231) and has been at Sandia sites five years. He is presently in the Pacific for Operation "Hardtack."

Last January he was married in Bellingham, Wash., to Christine Pattison, a Professor of Philosophy and Religion at Lewis and Clark College.

MIT Alumni

F. C. "Ted" Alexander (4111) and A. N. Tschaeche (1626-3) were active in making arrangements for the spring meeting of the MIT, New Mexico Alumni Club, held May 3 at Cloudercroft.

Principal speaker at the meeting was Dr. Knox S. Millsaps, chief scientist of the Air Force Missile Development Center, Holloman AFB. Lt. Col. David G. Simons also showed pictures and commented on his record balloon trip to 100,000 feet last year.

Mr. Alexander is president of the local alumni club.

Sick List

Wishes for a speedy recovery are extended to Ed Kubiak (2533-1) who entered the Veterans Administration Hospital on May 4.

Organization 2722 hopes that Ormand Williams will be well enough to return to work soon.

Moving Time

New home owners from 2721 are James McCreight and James Whitfield.

Jean Eyberse (4333-1) and her husband, Hank, will be moving into their new home at 1317 Luthy Circle NE this weekend.

Charles L. Becker (2121-2) and his family are putting the finishing touches on their new home in Peralta. The Beckers built the house themselves and actually moved in several months ago before it was finished. Since becoming country dwellers they have acquired numerous domestic animals and the whole family is enjoying the new environment.

Roy Tackett (8111-1) bought a new Livermore home recently at 1530 Alviso Street. He and his family plan to move in June 15.

Happy in their new home at 605 Ortiz SE are Jim and Fern (7423) Robinson.

Livermore transferees Dennis (8222) and Mary (8221) Sparger will make their home at 892 Vista Street.

Mexico Bound

Ted Saselli (8222), Livermore Branch, drove to Mexico with his son recently. On the way down they stopped off to see relatives in San Diego. Ted's son, on a 30-day leave, will shortly be sent to French Morocco with the Air Force.

Toad Results

The request by Quality Assurance in the last issue of the Sandia Lab News for a horned toad to animate a desert environmental test scene for Armed Forces Day brought results and results.

M. J. Davis (5513), who offered to care for the spiny lizard until May 17, reports he was deluged with phone calls at his home throughout the week-end. On Monday six Sandians showed up at his desk with horned toads of various sizes.

Top Shot

Jim McDowell, son of J. K. (2131-1) and Marjorie (4111) McDowell, won top honors at the Junior Rifle Tournament held recently in Albuquerque. He also was a member of the team that won top honors.

Jim has been a member of the Sandia Base Junior Gun Club for three years and has copped numerous trophies and plaques in tournaments through the state.

Guard Hugh R. Young Killed in Auto Crash

Funeral services were held last week for Hugh R. Young, a Corporation security guard for seven years, who was killed May 2 in an auto accident.

Burial was in Gering, Nebraska, where his mother resides.

Mr. Young and his wife, Emily (5216), had worked the evening shift at the Corporation and were on their way to pick up their three-year-old son at the time of the accident. Mrs. Young was injured.

Western Electric Co. Honors W. G. Jenkins For 35 Years Service

W. G. Jenkins, manager of Production Control Department 2220, will be honored May 24 for 35 years service with Western Electric.

He reported to Sandia Corporation in September 1950 as supervisor of Inspection Control and Program Administration Divisions.

He was promoted to his present position nearly three years ago.

Mr. Jenkins' first WE job was in the Installation Division in New York City. He was a supervisor in the installation of telephone central offices and power equipment. In 1930 he transferred to General Installation Engineers and two years later was moved to Supplies Inspection for three years before returning to General Installation Engineers.

He was with Program Planning organization at 195 Broadway for nearly a year in 1942 before transferring to Kearney, where he was a department chief for two years.

Between 1945-49 Mr. Jenkins was with the Installation Operation Managers Staff at 195 Broadway, and worked in training department and office service supervisions. Also included was a special assignment to Purchasing Department.

Immediately prior to transfer to Sandia Mr. Jenkins had been a member of the technical staff at Bell Telephone Laboratories.



DONALD A. QUARLES, Deputy Secretary of Defense (center) visited Sandia Corporation Monday. The former president of Sandia Corporation (Mar., 52-Sept., 53) was accompanied by Maj. Gen. Louis T. Heath (left), Commander, Field Command, AFSWP, and Sandia Corporation President James W. McRae.

Sandians Ask Supreme Court To Study Tax Appeal Decision

A reversal by the U. S. Court of Appeals, which holds employees liable for federal income taxes on moving expenses reimbursed when hired, has left two Sandians with the U. S. Supreme Court as their last legal stand.

Sherrill O. Woodall (7412) and Glenn S. Mills (1541), the Sandia employees, filed the suit as test cases representative of some 700 other employees of Sandia Corporation. They had been reimbursed for moving and travel expenses incurred in connection with reporting for work here after being hired elsewhere.

Under a ruling of the Bureau of Internal Revenue the group has income tax liabilities, plus interest, on such reimbursement received as far back as 1953. It is estimated that nearly \$100,000 in taxes is involved for some 900 persons, 700 of them still employed at Sandia.

In June 1957, Judge Carl A. Hatch in U. S. District Court in Albuquerque ruled that since Mr. Mills and Mr. Woodall realized no gain from the reimbursement, it should not be treated as taxable income. The government appealed the decision.

Last week in Denver, the U. S. Circuit Court of Appeals, by unanimous decision, reversed the earlier ruling and held that employees whose moving expenses are paid by new employers must pay federal income taxes on such expenses.

Circuit Judge John C. Pickett of Cheyenne, who wrote the reversing opinion, held that Congress intended to tax all gains and that moving expense payments are a form of compensation to employees and therefore have the same legal standing as cash bonuses given as an inducement to accepting employment.

A petition for a writ of certiorari was expected to be filed by attorneys of the group this week,

asking the U. S. Supreme Court to review records of the case in the two lower courts.

The group has intended since its organization to carry the case as far as necessary.

Employees affected are particularly requested not to contact members of the committee. Members will be informed of pending action as soon as such a decision is possible. Members of the committee are: G. C. Newlin (6010), John H. Findlay (5500), S. O. Woodall (7412), Harold Schulte (7411) and H. E. Burrell (2124).

Savings Bonds Sales Up 200 Per Cent After Sandia Campaign Ends

An increase of almost 200 per cent in payroll purchases of U. S. Savings Bonds was seen this week as a result of the "Share in America" campaign.

L. M. "Jerry" Jercinovic, 7240, chairman of the drive, reported that the number of new subscribers will be close to 600, including Livermore Branch, compared with about 300 subscribers at the start of the drive.

The Livermore Branch signed up 42 new subscribers, having had only six bond buyers previously. Their average deduction per month is \$15, for a total saving per month of \$650.

For the Albuquerque group the monthly average is slightly less, but with 600 new subscribers saving \$14 per month the total comes to \$24,000.

Chairman Jercinovic praised the efforts of his committee in putting over the drive and setting an example for the community. Publicity chairman was John Leslie, 4112. Other committee members were T. B. Sherwin, 3125; Helen Wolf, 4362; Webb Shafer, 2742, and Marion Scott, 2232.

State Tax on Military Pensions Questioned By Sandia Employees

Several Sandians are among a group of retired military personnel which is investigating New Mexico income tax liability on such pensions.

New Mexico State Law 75-15-5 states that remuneration for valuable services rendered to the Government of the United States is exempt. However, an opinion of the Attorney General was rendered in 1953 to the effect that military retired pensions were taxable. The entire opinion was based on three out-of-state cases.

Since there has never been a test case on this question in the State of New Mexico the group feels that court action is necessary to obtain a firm decision.

As the cost of such legal action is more than one member could afford, it is planned to pro rate the cost of the case among all who wish to participate. It is estimated that all persons participating would benefit by one per cent of all their retirement pay.

At Sandia Corporation Doyle Stone (7132), ext. 44150, and K. F. Lindell (7319), ext. 49233, can provide information. Written inquiries may be sent to Paul Kirschke, 1716 Inez Dr. NE, who is acting as secretary-treasurer.

It is noted that government pensions for disability reasons are not liable for either state or federal income tax purposes.

A. R. Bender Retires; Was Field Inspector

Retiring at the end of May will be Albert R. Bender, who has worked for Sandia Corporation about six and one-half years.

After a short period in Receiving Inspection, he has been most of the time in Field Inspection Division (2713).

Mr. Bender came to Albuquerque eight years ago from Oklahoma. He and his three children (twin boys, 14, and a daughter, 10) make their home at 615 Lafayette Dr. NE.

Usually retirement gives a man more time for following his hobbies. Mr. Bender said, "I'm already busy keeping up with my children and their hobbies. They either keep you young or make you old!"



A. R. Bender

R. W. Henderson Speaks To Tech Writers May 20

R. W. Henderson, Vice President in charge of Development (1000) will speak on the subject, "Where Is the Atom Leading Us?" at the May 20 meeting of the Albuquerque chapter, Society of Technical Writers and Editors.

The meeting is the chapter's annual ladies' night and will begin with a cocktail hour at 6 p.m. at the Sandia Base Officers' Club, with dinner served from 7 to 8. Reservations for the dinner, which will cost \$2.75, may be made by calling G. B. "Doc" Roberts (7422) at ext. 26236.



FIRST ANNUAL Sandia Lab News Reporters' Luncheon was held at Livermore Branch recently. In addition to an even dozen reporters in attendance, guests included featured speaker R. E. Poole (standing), Vice President at Livermore, J. L. Rowe (8220), J. McMinn (8221), Robert S. Gillespie, editor of the SANDIA LAB NEWS, members of the Public Relations and Technical Information Section, and Chester Funkhauser of the UCRL Director's Office at the Livermore site.

E. F. Barnicle Succeeds A. Jones As Assistant To General Attorney

Edward F. Barnicle, Jr., former attorney in the legal division at Western Electric Company's Hawthorne Works, has succeeded Arnold Jones as Assistant to the General Attorney of Sandia Corporation (6000).

Mr. Jones, who has been employed as an attorney at Sandia since February 1957, has been assigned to a classified ordnance storage site, in the 7300 organization.

The new attorney has been employed by Western Electric since 1952. From 1947 to 1952 he worked in the legal department of the Cities Service Oil Co. in Chicago. Mr. Barnicle received his law degree from the University of Chicago in 1947.

He is a member of the Illinois bar, and of the Chicago Bar Association, the American Bar Association and the Workmens Compensation Lawyers of Illinois.

Site assignments are not new to Mr. Jones as he worked as a Sandia employee at a site from 1955 to 1957 before coming to Albuquerque. A year prior to that he was assigned to a site as an AEC employee. From 1946 to 1951 he



E. F. Barnicle, Jr.

worked for the AEC at the Los Alamos Scientific Laboratory.

Mr. Jones received his law degree from Boston University in 1937 and is a member of the Massachusetts Bar Association.

ASTE Meeting May 22

The Albuquerque Chapter, American Society of Tool Engineers, will have as its speaker May 22 E. Danielson of the Norton Grinding Company of Denver who will discuss "Grits and Grinds." The meeting is planned at the Robin Hood Inn beginning with dinner at 7 p.m. and a technical session at 8 p.m.

ASQC Elects Officers

New officers installed at the May 12 meeting of the Albuquerque Section, American Society for Quality Control, were all Sandia Corporation employees.

Elected as chairman of the section was Al Thornton (2731). William E. Boyes (1591) was voted in as vice chairman and Gerardo J. Lombardi (5511) was named secretary. Everett E. Ard (5511) was elected treasurer.

Club Pools Open On Memorial Day

The twin pools at the Coronado Club will open for the season on Friday, May 30 with tickets going on sale at the club beginning May 26 from 12 to 6 p. m.

Pool hours this year will be 10 a. m. to 7 p. m. every day with the north pool reserved for adult swimmers from 12 to 1 p. m. and 4:30 to 6:30 p. m. Monday through Friday.

Swimming fees are \$4.20 a season for adult club members and \$1.80 for children of members. Monthly adult admission is \$2.10 and 90 cents for members' children.

Fee for single guest admission for adults is \$1.10 and 35 cents for children on week days and 50 cents on Saturdays, Sundays and holidays.

IRE to Elect Officers

New officers will be elected at the May 22 annual meeting of the Albuquerque-Los Alamos Chapter of the Institute of Radio Engineers. The meeting will be held at the Electrical Engineering Building, Room 201, UNM, beginning at 7:30 p.m.

Welcome Newcomers

Apr. 28-May 9

Albuquerque		
Ada Jane Akin	2225	
Edward L. Amador	2464	
Darlene H. Campbell	2713	
Robert H. Carls	2713	
Mancil L. Earl	5512	
Marilyn J. Hager	7225	
Erineo Jaramillo	2474	
Dorothy P. Kerstetter	7225	
Lucille H. Larrabee	7225	
Doris A. Mason	2442	
Dorothy L. McCants	4333	
Margaret A. Risk	7225	
G. June Williams	7225	
California		
Agnes R. Anderson, Livermore	8212-3	
James M. Kilfoil, Hayward	8221-1	
Henry D. Sorensen, Livermore	8122-3	
Shirley A. McLaughlin, Bacaville	7324	
Kansas		
Kenneth J. Payne, Salina	2542	
New York		
Robert J. Gevirtzman, New York City	4113	
Returned from Leave		
Gloria L. Sannella	2743	
Rehired		
Beverly L. Flowers	2132	
Marcella L. Gallegos	7226	
Carmen M. Yost	4333	
George J. Wladika	7422	
Ernest J. Church	2461	

Education Information Needed by Personnel

Many employees taking educational courses not covered by Sandia's educational aides program are not receiving recognition for the courses in their personnel files, the Personnel Division (3152) reports.

To assure that employees' records are complete the Personnel Division requests that they notify their supervisors of courses taken and that supervisors pass this information on to 3152 so that their personnel files can be kept up to date.

This information is also useful in counseling employees regarding educational training as it applies to their overall employment careers at Sandia.



POOL SIDE view of the Coronado Club twin pools and patio shows Kendra Atkisson (2461-1) preparing to get in the swim. The Coronado Club pools open for the season on May 30.

SNT President To Speak June 3

Carlton H. Hastings, national president of the Society of Non-destructive Testing, will address the local chapter at Los Alamos June 3. His topic will be "Quantitative Evaluation of Ultrasonic Test Results."

A dinner at 6:30 p. m. at the Los Alamos Country Club will precede the meeting which will begin at 8 p. m. at the Los Alamos Research Laboratory Auditorium. Reservations can be made locally by calling J. C. O'Neal (5511) before 5 p.m. June 2.

Party Time

A party was given on May 3 in the Mesa Lounge of the Sandia Base Officer's Club by members of 2520 in honor of Jim Hook. Jim recently transferred from manager of department 2520 to manager of department 7210.

Softball Schedule

"A" League		Diamond D	
6:45 7400-I vs. 4100	1400 vs. 3100		
8:30 2500-I vs. 7200	BYE vs. AEC		
May 20			
6:45 3100 vs. 1200-II	4100 vs. 1400		
8:30 4300 vs. 7400-II	7200 vs. BYE		
May 27			
6:45 AEC vs. 3100	4300 vs. 2500-I		
8:30 7400-II vs. 1400	1200-II vs. 4100		
May 29			
6:45 BYE vs. 4300	3100 vs. 7200		
8:30 4100 vs. AEC	1400 vs. 1200-II		
"B" League			
May 19			
6:45 2400 vs. 1600	5100 vs. 5500		
8:30 2100 vs. 7400-I	5200 vs. 2500-II		
May 21			
6:45 5500 vs. 2700	1600 vs. 5100		
8:30 1200-I vs. 2400	7400-I vs. 5200		
May 26			
6:45 2500-II vs. 5500	1200-I vs. 2100		
8:30 2400 vs. 5100	2700 vs. 1600		
May 28			
6:45 3200 vs. 1200-I	5500 vs. 7400-I		
8:30 1600 vs. 2500-II	5100 vs. 2700		

V. C. Nelson Elected

Vincent G. Nelson (1624) was elected second vice president of the Albuquerque Chapter, American Welding Society, at its May 8 meeting.

SHOPPING CENTER

CLASSIFIED ADVERTISING

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

RULES

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

FOR SALE

- BABY BUGGY, \$5; high chair, \$5; Leonard, Ext. 32141, 1004 Vassar SE.
- 2 BRM HOUSE, near schools, HW floors, patio, landscaped, garage. Sanchez, CH 3-2504, 812 Willmore Dr.
- 2-WHEEL TRAILER, utility, fenders, running lights, hoops, \$50; tent, 9x11 wall Army type, \$25. Lloyd, AX 9-5170.
- TWIN BEDS, blond finish, box springs and mattresses (innerspring) included, \$100. Ross, AL 5-4197, 335 Tulane Dr. NE.
- 3 BRM HOME, Mossman, sprinklers, central heat, air conditioning, patio, walls, carpet, drapes, garage, \$2000 down to 4 1/2% loan. Wiesch, AL 6-7236.
- '49 NASH, 4-door sedan, bed seats, heater, overdrive, new parts: brakes, waterpump, distributor, spark plugs, '58 plates, \$125. Leisey, AL 6-9017.
- WINDOW TYPE cooler-fittings, \$75; maple youth bed, \$25; child's chest of drawers, \$10; 21" TV, new picture tube, best offer. Teta, Ext. 41267.
- BABY EQUIPMENT, crib, walker, teeter-babe, swing w/car seat, \$18 for all or make offer. Ellibee, DI 4-4897.
- R. J. ENCLOSURE, Hi-Fi, plywood, maple finish, RCA extended range 12" speaker, \$45. Scates, AX 9-4913 after 5.
- '57 RAMBLER, 6 cylinder, 4-door, two-tone, heater, sleep seats, 12,000 miles, reasonable. Kilmartin, AX 9-1241.
- SHOT GUN, single barrel, bolt action \$10, \$30; 70 rounds shells. Lopez, AX 9-0941.
- 836 FT. FRONTAGE, 3 1/4 acres, 9 miles from city limits on 66 east, small modern house, well, clear title and abstract furnished, owner will finance. Fletcher, AL 5-0797 after 5.
- 9x11 TENT, Umbrella; 3-burner Coleman camp stove, 2-wheel auto chassis, suitable for trailer. Nissen, AL 5-5657.
- HERCULES BICYCLE, 3-speed, new tires, new thornproof tubes, \$25; bird cage, \$1.50. Kohut, Ext. 20296.
- FRIGIDAIRE, 7.5 cu. ft.; Sunbeam electric iron; folding baby stroller; baby scale; fiber rugs, blue 9x12, charcoal, 6x9. Carlson, AL 6-9008.

SHOPPING CENTER

- '56 VOLKSWAGEN, convertible, red w/white top, \$1695. Leach, AM 8-1526.
- BICYCLE, Girls 24", \$20; training wheels, \$1.50; two interior doors, need painting, 2' x 6'8", \$2 each. Scranton, AX 9-5720.
- '49 DODGE Convertible, new top, R&H, good transportation, \$175. Lent, CH 2-0508.
- '41 CHEVROLET, 2-door sedan, R&H, \$75. Dailey, AX 9-2284, 1116 Espejo St. NE.
- EVAPORATIVE COOLER, 2,000 CFM, 3-speed w/25 ft. copper tubing, \$20; 150 pound barbell set, \$20; trailer hitch, \$3; 1/4 hp electric motor, \$3. Farmer, AL 5-7279.
- FREEZER, Philco, 8.3 cu. ft. chest type, \$100. Biegel, AX 9-7318, 9516 Euclid NE.
- END TABLE, modern, \$5; large Victorian etching, \$10; two water color paintings, \$7.50 each, group of unframed Victorian etchings. Archer, AL 6-1025.
- ONE-WHEEL TRAILER, All State, \$30; men's bowling ball w/case, \$10; white silk lamp shades, new, \$3 each; table cart, \$10. Kersey, AX 9-2800.
- TALKING PARROT, \$35; parrot perch cage, \$30; new Mynah bird cage, \$15; flight cage, \$6. Robinson, AX 9-0971.
- OVERLOAD HELPER springs and trailer hitch for Plymouth, copper screen, 30 inches by 100 feet, all or part. Kross, AL 6-0223.
- AIR CONDITIONER, GE refrigerated, air filter, automatic control, exhaust fan, fresh air recirculated, used two summers, cost \$350, sell for \$100. Eisenhour, AX 9-7202.
- '50 STUDEBAKER, Champion coupe, R&H, OD, new brakes and clutch, \$125; boys 26" bike, completely reconditioned and refinished, \$25. Christy, 2932 Hermosa Dr. NE.
- RANGE HOOD, 48" Stantony w/blowers and light, nearly new; GE upright vacuum sweeper, \$10. Smith, AL 5-7991.
- LIVING ROOM SUITE, 2 piece, w/two end tables, one coffee table, reasonable. Eskridge, AL 6-4712.
- SEWING MACHINE, Singer, electric portable. Blea, AL 6-5216.
- 2 BRM HOME, all electric kitchen, landscaped front and back, \$10,000. Hooton, CH 6-2394, 525 Chama SE.
- MERCURY CONVERTIBLE, 1957 w/13,000 miles, PS and PB, must see to appreciate, \$2595 or make offer. Creveling, CH 2-3790.
- FOOD BASKET for Cold Spot chest type freezer, \$1; miter box w/companion 26" back saw, \$20; ping pong table, \$22.50; car air conditioner, \$25. Yarbrough, AL 5-4087.
- NATIONAL CASH register, hand operated, \$35. Cohen, AX 9-4419.
- CAMPING TRAILER, Teardrop, 3 years old, \$175. Kurfink, AL 5-9968.
- BABY BATHINETTE, \$5; baby buggy w/detachable car bed, \$7; Baby Wonda Chair, \$35; small glider and stand, \$5; Hollywood bed w/headboard, \$25. Davies, AX 9-2115.

SHOPPING CENTER

NEXT DEADLINE FOR SHOPPING CENTER ADS Thursday Noon, May 22

- '56 BUICK Special Riviera 2-Dr. hardtop, blue and white, R&H, Dynaflow, low mileage, original owner, \$1,750. Richards, AL 6-9740.
- '57 TRIUMPH Cub Competition Model. Hockett, 8615 Menaul NE, AX 9-5776.
- WOOL WILTON RUGS, two 9'x12', sculptured beige, two 12' hall runners to match, waffle pads included, all for \$75. Schafer, AL 6-2662 after 5 p.m.
- MOVIE CAMERA, 8 mm Bell & Howell, takes beautiful clear, action pictures, price \$30. Hummel, CH 3-7997.
- '48 DODGE, \$250. Apodaca, 466-61st NW, CH 2-8585.
- TENOR SAXOPHONE, Conn, silver with gold bell, new leather case, cost \$345, take \$105 for quick sale. Odell, AL 6-3277.
- DINETTE SET, chrome, large table w/six chairs, \$45; lounge chair with ottoman, \$25; chest of drawers, \$15; Motorola car radio, \$25. Young, AL 6-1387.
- 7 RM. HOUSE, 1.60 acre, \$35,000. Trailer house, \$500 cash or make offer. Baldonado, Rt. 4, Box 4543, El Pueblo Rd.
- GARAGE DOOR, overhead type, with hardware for single garage. Best offer. Goncher, AM 8-1360.
- '55 NASH Ambassador custom two-tone hardtop, continental kit, Lemans engine, R&H, WW tires, PS & PB, hydramatic, foam reclining seats, safety belts. Carlson, AM 8-8138.
- 3 BR HOME, 1 1/4 baths, in scenic mountains 10 mins. from Base, carpeting, drapes, latest built-ins, \$27,750 with \$8000 down. Powell, AL 5-0322 after 5 p.m.
- WASHER, Monitor Aerator, small size, large capacity, wringer and electric pump, \$19.50. Coleman, AL 5-7480.
- MOVIE CAMERA, projector, screen, \$25. Bumper jack kit, \$2. Ryan, 1521 Espejo NE, AX 9-5736.
- MOTORCYCLE, recently overhauled Indian 74, windshield, saddlebags, \$275. Pistol, 22 Hi-Standard Field King with holster and extra magazine, \$40. Reynolds, AX 9-0709.
- TRANSFORMERS, S-33, \$46 and S53 components for a high voltage power supply, reasonable. Halliday, AL 6-6685.
- ATLAS 8" table saw & jointer comb., \$140; wood lathe, \$95; band saw, \$47; 5 HP gas engine, \$40; pressure pump 156pm/125 psi, \$25. Pliner, AL 6-1907.
- BOX SPRING and mattress, steel frame with rollers, \$20; 2 end tables, blond with formica top, \$30; '48 Nash club coupe, \$85. Wheeler, AL 6-7284.
- 17" TV set, blond GE table model with matching stand. McSwain, AX 9-2979 after 5 p.m.

SHOPPING CENTER

- TETERBAGE JUMPER, white, sell at half price, \$4.00. Cooper, AX 9-3664.
- '50 PLYMOUTH, 2-door sedan, new tires with 25,000 mile guarantee, horrible paint job but A-1 motor. Make an offer. McClendon, AM 8-8836.
- BLUE JEANS, boy's size 10 to 12, 10 pairs for \$3.50. Hicks, ext. 27143, 321 Manzano St. NE.
- MINIATURE POODLES, two females, parti-color, AKC registered, 6 weeks old. Sanchez, CH 2-7910.
- AUTOMAGIC IRONER, Thor, will sell or trade. O'Conner, DI 4-2840.
- '56 RAMBLER Custom Wagon, black and green, hydramatic, R&H, PB, w/w tires, 25,000 miles. Schiess, AL 5-3252.
- TABLE SAW, 1/2 hp motor, several extra blades, \$45; full size violin, \$50; Maytag washer, wringer type, heavy duty, \$20. Grey, AX 9-7349.
- COCKER SPANIEL, AKC registered, red and white, 3 year old male, housebroken, fine with children. Real reasonable. Burken, AL 5-4406.
- '56 OLDSMOBILE Super 88, 4 dr. hardtop, 17,000 miles; 20" two speed window fan, \$20; 38"x52" steel casement window, 9 pane w/glass, \$10. Dyer, AX 9-2142.
- MATERNITY WARDROBE, size 12-14, includes summer suits, separates, bathing suit, etc. Very reasonable. Joseph, AX 9-6989.
- '57 PLYMOUTH Fury, R&H, torque flite, white walls, tinted glass, \$2,750. Dempsey, ext. 48185.
- 3 BR HOUSE, attached garage, electric range & refrigerator, walled, patio, lawns, \$12,000, \$800 down. Ankeny, 9121 Lexington NE, AX 9-5320.
- WASHER, wringer type, Montgomery Ward. Corrigan, AX 9-7050.
- MUSICIAN'S upright Packard piano, \$150. Harris, AL 5-0117.
- '58 MG Convertible, black, black top, whitewalls, red leather interior, 2,000 miles, \$2,600. Ricco, AM 8-1623.
- ELECTRIC RANGE, standard size, 3 elements plus deep well, oven, \$75 or best offer. Binder, AL 6-6593.
- '58 VOLKSWAGEN Karmann-Ghia, sport coupe, 34 mpg, 72 mph. Steal this economical beauty for \$2,495. Petrone, ext. 45194.
- 2 BR HOME, patio, sprinklers front and back, walled, one block from Whittier school, \$1,300 down to new FHA. Allen, 1813 Ridgecrest Circle SE, AM 8-1027.
- '51 FORD PICKUP, 1/2 ton, 3-speed transmission, \$325. Cox, AX 9-5855.
- AIR CONDITIONERS, 1 1/2 ton Marthis and 3/4 ton Philco, sell both for \$200. Lorenzo, 9604 Apache Ave. NE, AX 9-0347 after 5 p.m.
- '52 DODGE, Coronet 2 dr. sedan, engine recently overhauled, \$400. Houghton, AX 9-3386.
- '50 CHEVROLET, 2 dr., low mileage, \$295. Wessman, ext. 48260.
- BABY CARRIAGE, Atlas collapsible type, reasonable. Zappas, DI 4-0243.

SHOPPING CENTER

- '51 CHEVROLET Powerglide, 4 dr., radio heater, \$195. Lewis, AL 6-7404.
- CALORIC GAS RANGE, '58 de luxe model, thermostat burner, oven pilots; factory crated, never used; retails \$375, sell for \$200. Earl, AX 9-7479.
- '48 CHEVROLET 4 dr. sedan, \$125. Man's English bike, \$25. Parker, 1038 Tomasita NE, AX 9-3483.
- 3 BR HOUSE, 22' diameter swimming pool, 1 1/2 bath, garage, w/w carpeting, air conditioning, walled, built in range. Penny-packer, 621 Espanola NE, AM 8-2114.
- WANTED**
- TO RENT a garage w/solid floors and electricity, between base and UNM. Erdman, CH 3-0857.
- HOMES FOR KITTENS. Free, fresh shipment, two black and white; one parti-colored, one grey, five weeks old. Tatum, CH 2-9021.
- GIRL TO SHARE furnished home near University, private bed room, all utilities paid, \$34 month. Penn, CH 2-0204.
- WILL PAY CASH for 1956 nine passenger station wagon. Miller, AX 9-1643.
- CAMPING TRAILER, 18-22 ft. MacDonald, DI 4-4241.
- FIESTA PLEATING, \$1.00 to \$1.50. Johnson, AM 8-2393.
- CHILD'S SWING SET. Eisenhour, AX 9-7202.
- BABY SITTING in my home between 7:30 a.m. and 4:30 p.m. on weekdays only, walled yard, near Bases. Arning, AL 6-9229.
- AT LEAST 100' fence, would like posts too, gate not necessary, West, CH 2-8981 after 6.
- LATE EDITION of Encyclopedia, good used set. Welker, Ext. 31248.
- SECOND HAND climbing tower (Jungle Gym); also single Hollywood bed and double rollaway bed. Stricker, AX 9-5596.
- SATURDAY WORK for self and pick up truck, any odd jobs. Lathrop, CH 7-9125 after 5.
- OLD PISTOLS, revolvers or rifle, will pay cash or trade Colt Automatic pistol. Smith, AX 9-1096, 8607 Menaul NE.
- FOR RENT**
- 2 BRM APT, NE, attached garage; washer, TV, children and pets welcome, \$125 month. Kessler, AX 9-5005.
- 3 ROOM APT, water and garbage paid, apply at 508 Walter SE or call Glory, CH 2-1586.
- VACATION TRAILER, 15', sleeps five, 50 lb. icebox, butane stove & lite, hitch and insurance furnished. Nelson, AL 6-6300.
- LOST AND FOUND**
- LOST—Turquoise dangle earring, birth certificate of Kenneth M. Dawson, 10 year SC tie chain, Schaeffers pencil, Waterman's pen, \$10 on silver dollar money clip, sun glasses w/brass frame, Ranson butane lighter engraved Emily Wood, Ray Ban prescription sunglasses in case. LOST AND FOUND, Ext. 26149.
- FOUND—Pipe and pouch, Willow lighter. LOST AND FOUND, Ext. 26149.

Community Chest Gives Lab News Certificate

The Sandia Lab News was honored by the Community Chest this month for assistance given to the United Fund drive last fall.

A certificate of appreciation was awarded to the Sandia Corporation newspaper by Rudolf Dreyer, Community Chest president, at a banquet closing a public relations conference held by the Council of Social Agencies.

W. E. Boyes President Of Local Camera Club

W. E. Boyes (1590) has been elected president of Los Novicios Camera Club, an organization made up of persons interested in amateur photography. Vice president elected was F. E. Mitchell (4131-4) and Helen R. Smith (7400) was named secretary-treasurer.

Retiring officers are H. G. Jeblick (2713), R. H. Merrell (2731) and Ann Padilla (2710).

Supervisory Appointments

THOMAS D. HARRISON to supervisor of Statistical Quality Control Engineering Section 2514-3, Organization Engineering Division.

"Tom" has worked in Quality Control and Manufacturing Engineering Components during his four years at Sandia. He is a member of the American Society for Quality Control.

A native of Clovis, he attended New Mexico Military Institute and graduated from the U. S. Military Academy at West Point in 1943.

Tom was in the Air Force for 11 years and during World War II he served two years as a pilot in the China theater. In the early days of the Korean conflict his F-81 jet aircraft was shot down. He was a prisoner of war in North Korea from May 1951 until August 1953 when he was returned to freedom in "Operation Big Switch."

In December 1955, after employed by Sandia Corporation as an engineer, retired Lieutenant Colonel Harrison was awarded the Distinguished Service Medal and was cited for his "outstanding courage and leadership . . . in inspiring other prisoners of war with the will to resist the enemy."

JEROME F. JONES to Supervisor of Section 8111-3, Product Design Division.

"Jerry" came to Sandia six and one-half years ago as an engineer in the Transition Engineering Organization. He transferred to the Livermore Branch materials applications group two years ago, becoming a project engineer last October.

Before coming to Albuquerque Jerry was assistant production manager for Diebold, Inc., Canton, Ohio, for five years.

He received his Bachelor's degree in Metallurgical Engineering from the South Dakota Institute of Technology in 1942.

Jerry served three and one-half years in the Navy.

LELAND D. SWANSON to supervisor of Semiconductor Development Section 1451-3, Electronic Tubes and Semiconductor Devices Division.

"Lee" has been working in the same department during his three years with Sandia Corporation.

He came to Albuquerque from Washington State University where he graduated with honors and received a Bachelor's degree in Physics. His undergraduate studies were at the University of Kansas.

Lee is a member of Phi Kappa Phi and Phi Beta Kappa, both scholastic honoraries.

During World War II he served two and one-half years in the Navy, half of the time in the South Pacific.

ROBERT C. REINEKE to supervisor of Electronic Tubes and Semiconductor Devices Division 1451, Electronic Component Development Department.

"Bob" has been in the same department since July 1952 when he came to work for Sandia. He has been a section supervisor for two and one-half years.

Prior to employment here he was in tube development work for two years with Raytheon Manufacturers in Waltham, Mass.

Bob also worked for four years in a machine shop in Chicago.

At the University of Illinois he received a BS in Electrical Engineering.

He served three years in the Navy as an electronics technician.

Bob is a member of the IRE professional group on electronic devices.

JIM L. FIFE to supervisor of Technical Information Section 7223-1, Staff Administrative Service Department.

Jim has been with Sandia for 20 months as a technical writer in the same organization.

Previously he taught English Literature and Technical Writing for five years at the University of Iowa. He received his Master's degree in History from the same school in 1951.

His Bachelor's degree, also in History, was obtained at Westminster College in Pennsylvania.

During World War II Jim served three years in the Air Corps.

He is a member of the American Association of University Professors and the American Society for Engineering Education.

JOSEPH F. SLADKY to supervisor of Section 8132-3, Materials Application Division.

"Joe" has been with the Livermore Branch for two years, working as a materials engineer. He came to Sandia after working for several Albuquerque firms for about nine years.

This included a year as an estimator and field engineer for a plumbing and heating firm, a year in automatic controls sales, six years as an application engineer with Boyd Engineering Company, and short periods in ordnance research and development for the New Mexico School of Mines and in mechanical design work for the U. S. Corps of Engineers.

Joe received his Bachelor's degree in Mechanical Engineering from the University of Minnesota in 1947.

He is registered as a Professional Engineer in New Mexico and is a member of the American Society of Heating and Air Conditioning Engineers.

Joe served three years in the Navy.



Q & A Session Helps Explain Education Expense Deductions

In response to many inquiries about the effect of the new regulations on the deductibility of expenditures for education, the Internal Revenue Service recently released the following series of sample questions and answers. The Service stated that the questions were merely illustrative of those most often asked and that the deductibility of educational expenditures under other conditions depends upon the facts and circumstances in each case.

Question 1. Do the new regulations on educational expenses apply only to the year 1957 and later years or will they affect earlier years for which returns have been filed?

Answer: The new regulations apply also to the years 1954, 1955, and 1956.

Question 2. How do I go about getting a refund when my return has already been filed?

Answer: You should file either a claim for refund on Form 843 or an amended return on Form 1040. A separate claim or amended return should be filed for each year, and you should attach a statement of the facts which you think entitle you to deduct your educational expenditures. Claims for refund or amended returns must be filed within three years from the date the return was due. For example, a claim for refund of taxes for the year 1954 must have been filed on or before April 15, 1958.

Question 3. How does an employee claim the deduction for allowable expenditures for education in filing his return?

Answer: Unreimbursed expenditures for such things as tuition, books, laboratory fees, and similar items should be deducted on page 2 of the return, Form 1040. However, these expenses may not be deducted if you use the

standard deduction. Expenses for travel, meals and lodging while away from home overnight in pursuing allowable educational activities are also deductible. A brief statement should be attached in explanation of the deduction. One important fact that always should be included is the relationship of the education to the duties of the taxpayer's employment when the educational expense was incurred.

Question 4. Suppose when I filed my return I claimed the standard deduction. May I now file an amended return on Form 1040 itemizing, on page 2, my deductions including my expenditures for education?

Answer: Yes, provided you do so within three years from the time the return was due.

Question 5. Do these regulations apply only to teachers?

Answer: No. The regulations apply to self-employed persons as well as to teachers and other employees.

Question 6. What is the primary test for the deductibility of education expenses?

Answer: Expenditures for education are deductible if such education is undertaken primarily for the purpose of (a) maintaining or improving skills required by the taxpayer in the performance of the duties of his employment when the educational expense was incurred, or (b) meeting express requirements of the taxpayer's employer, or the requirements of applicable law or regulations, imposed as a condition for the retention by the taxpayer of his salary, status, or employment.

On the other hand, expenditures for education are not deductible if the primary purpose for which the education is undertaken is to obtain a new position or a substantial advancement in position or is the fulfilling of the general educational aspirations or other personal purpose of the taxpayer. Moreover, in any case, if the education is required in order for the taxpayer to meet the minimum requirements for qualification or establishment in his intended trade or business or specialty, the expense of such education is not deductible.

Question 7. An individual is regularly employed as a stenographer. Although qualified in typing and shorthand, she enrolls in a class primarily to increase her speed and accuracy in shorthand. Are her expenditures for such education deductible?

Answer: Yes, since the expenditures are incurred primarily for the purpose of improving skills required in the performance of her present duties.

Question 8. A board of education requires at least a bachelor degree for employment as a teacher. However, during an emergency period the board hires temporary teachers who do not meet this requirement. If the temporary teachers take courses leading to a bachelor's degree in order to meet these qualifications, will their expenditures for this purpose be deductible?

Answer: No. Since these expenditures were for the purpose of meeting minimum requirements for qualification as a regular teacher, the expenditures are not deductible.

Question 9. An undergraduate student in a school of pharmacy is employed as a part-

time clerk in a drug store. Can he deduct the cost of his tuition?

Answer: No. The student is attending college primarily to meet requirements for qualification or establishment as a registered pharmacist and, therefore, the cost of this education is not deductible.

Question 10. An employer is required to eliminate a number of clerical positions. One clerk is informed that her position will be abolished but if she is able to qualify as a stenographer she could be retained by her employer. If she takes courses to learn stenography, would the cost of these courses be deductible?

Answer: No. They would not be deductible since the courses were not taken primarily for the purpose of maintaining or improving skills required in performing present duties but in order to obtain a new position.

Question 11. If education is undertaken for the primary purpose of improving skills required of the taxpayer in performing his present duties or in his present trade or business, would the fact that the taxpayer incidentally advances to the next step in his position or receives an advance in salary prevent the expenditures for this education from being deductible?

Answer: No. Such incidental effects will not result in the denial of a deduction if the purpose for which the education was undertaken would otherwise permit the deduction.

Question 12. An employer requires each of his employees to acquire further education if they expect to be considered for advancement to executive positions. An employee who does not meet the minimum educational requirements for qualification as an executive undertakes the necessary education for the purpose of qualifying for such a position. Are his expenses for this education deductible?

Answer: No. Since the education is required for the purpose of meeting minimum requirements for qualification or establishment in an executive position, the expenses are not deductible.

Question 13. A civil service clerk-typist who does not have the required skill in typing and shorthand to qualify as a stenographer takes courses in these subjects in order to qualify. Are the expenses for this education deductible?

Answer: No, because they were undertaken for the purpose of securing a new position.

Question 14. If a clerk was qualified in typing and shorthand but, because her present employment did not require the use of these skills, she undertook refresher courses so as to qualify for a stenographic position, would the cost of the courses be deductible?

Answer: No, for the same reasons which apply to question 14.

Question 15. A Government employee is actually employed as a stenographer but feels that she could improve her skill in typing and shorthand by learning certain new and advanced methods. Would the cost of such training be deductible?

Answer: Yes, because the education was intended primarily to improve skills required by her present employment.

Promotions

- Joan M. Branks (7411) to Draftsman
 - Marcia L. Morgan (8221) to Service Clerk
 - Cleo F. Hughes (7311) to Technical Asst.
 - Thomas H. Peppers (7312) to Technical Asst.
 - Paul E. Luers (7322) to Technical Asst.
 - Vincent J. Curran (8113) to Order Analyst
 - Robert E. Foster (5112) to Staff Asst.
 - Kenneth O. Crays (5212) to Staff Asst.
 - Calvin S. Cox, Jr. (5252) to Staff Asst.
 - George W. Burnside (5112) to Staff Asst.
 - Cherry Lou Burns (3125) to Staff Asst.
 - Emil J. Steinkraus (7411) to Staff Associate
 - Arthur Starz (2124) to Technician
 - James T. South (2124) to Technician
 - Richard H. Olive (2124) to Technician
 - Archie R. Boyd (2132) to Inspector
 - Sharon R. Hedges (2222) to Order Clerk
 - Margaret O. McMahan (2442) to Record Clerk
 - Betty J. Lagermann (7225) to Secy. Steno.
 - M. Jane Books (7225) to Secy. Steno.
 - Loretta L. Johnston (7225) to Receptionist
 - Virginia L. DeWitt (7225) to Secy. Typist
 - Geraldine K. Rehnkop (7226) to Catalog Clerk
 - Carmel S. Griego (7226) to Typist
 - Comesindo Lopez (8222) to Utility Operator
 - Esther M. Allen (3151) to Employment Clerk
 - Lorris L. Fox (3151) to Employment Clerk
 - Eleanor R. Kelly (3151) to Employment Clerk
 - Jean H. Ivarson (8221) to Editorial Asst.
 - John Rogers (8222) to Property Clerk
 - Rex R. Richardson (8222) to Stock Analyst
 - Carl DeCeasar (8113) to Order Analyst
 - Dennis B. Hayes (2462) to Bindery Optr.
 - M. Jeanne Brown (7225) to Secy. Typist
 - P. J. Finlayson (7241) to Record Clerk
 - Emily C. Browne (3151) to Employment Clerk
 - John P. Gallagher (8213) to Property Clerk
 - Jose C. Valdez (2415) to Laborer
 - Juliette Wolff (2531) to Typist Clerk
 - Joan L. Nielsen (8222) to Record Clerk
 - E. Marie Hayden (8222) to Stock Record Clerk
 - Walter T. Taylor (1613) to Laboratory Asst.
 - Mary L. Milligan (2553) to Typist Clerk
 - Lugarda D. Abeyta (4361) to Steno. Clerk
 - Frank H. Dausses (3124) to Staff Asst.
 - John E. Westbrook (4141) to Staff Member
 - Phillip R. Vouterin (2472) to Stockkeeper
 - William A. Sanchez (2711) to Inspector
 - John R. Russell (7231) to Messenger
 - Norma P. Burns (2462) to Repro. Svc. Clerk
 - Margaret B. Burgess (4131) to Steno. Clerk
 - Benjamin Garcia, Jr. (4151) to Acctg. Clerk
 - Betty J. Mavis (7225) to Secy. Typist
 - Elsie B. Sandy (2224) to Report Clerk
 - Hester E. Stiver (4135) to Senior Clerk
 - Henry A. Moculesski (2713) to Investigator
- Supervisory Lateral Transfers**
- George Randle (1225-1) to supervisor of Section 1222-2
 - George V. Lemmon (1284-1) to supervisor of Section 1283-1
 - Thomas W. Holmes (2544) to supervisor of Division 2554
 - John H. Tenbrink (1283-1) to supervisor of Section 1225-1
 - Henry C. Strauss (4361-2) to supervisor of Section 4343-1
 - Richard N. Browne (1215) to supervisor of Division 5224
 - William T. Ryan (4321) to supervisor of Division 8211
 - John E. Miller (2544-1) to supervisor of Section 4361-1
 - Dennis B. Sparger (2234-1) to supervisor of Section 8222-4.

Service Awards Ten Year Pins

 Herbert V. McNabney 2482 May 17, 1948	 Samuel Blaylock 2475 May 18, 1948	 Eugene F. Carter 1455 May 18, 1948	 Harold F. Gunn 3153 May 18, 1948
 Allen L. Hobbs 3161 May 18, 1948	 David B. Thomas 2722 May 18, 1948	 Roger H. Johnson 2111 May 19, 1948	 John Puhara, Jr. 7411 May 19, 1948
 William B. Russell 4314 May 19, 1948	 Roy L. Dunlap 2462 May 20, 1948	 Lewis S. West 2473 May 20, 1948	 Charles B. O'Keefe 7232 May 24, 1948
 J. Hardin Simmons 2413 May 24, 1948	 Ray J. Beall 2151 May 26, 1948	 Jesse V. Parker 2121 May 26, 1948	 Victor Southerland 2235 May 26, 1948

Five Year Awards

May 18-23
Parker F. Jones 1217, Fred V. Wyatt 5242, Joe T. Evans 2483, Raffella C. Quigel 7327, Joe N. Skelton 2124, Leota Marie Beller 2462, Fred K. Silva 5521, and Alsid F. Lamoria 2353.

May 24-31

William W. Wacek 1451, William G. Fribley 2742, Frank W. Corner 4151, Rupert F. Shattuck 2153, Jessie Waddles 2234, L. O. Warn 1455, and George W. Treadwell 1246.

Two Year Certificates

May 18-23
Robert G. Elsbrock 3161, Earl H. Wilson 3123, Edward L. Ashland 1246, Lester E. Martin 7325, Louis F. Fisher 1811, Dolores E. McKelvey 7225, Vivian R. Hedman 2112, Leslie N. Schofield 7411, and R. A. Vermillion 2124.

May 24-31

Carmel S. Sanchez 7226, M. A. Bussey 7225, Barbara R. Shaw 7225, Roy E. Hollenbach 1261, Jose C. Asturias 2721, Steve Trujillo, Jr. 7231, Adela J. Vigil 2461, Juan B. Ortiz 2353, Lloyd N. Strosnider 3122, and Damacio Sandoval 2419.