

SANDIA BULLETIN

Vol. V, No. 17

SANDIA CORPORATION, ALBUQUERQUE, N. M.

AUG. 14, 1953

James W. McRae Heads Corp.; Mr. Quarles Takes Defense Post

James W. McRae, recently elected President of Sandia Corporation, to succeed Donald A. Quarles, visited Sandia last week before beginning a speaking tour which will take him to a number of states during the next few weeks. Formerly Vice-President of the Bell Telephone Laboratories, Dr. McRae resigned that position and was elected Vice-President of Western Electric Company upon acceptance of his position here.

torate from California Institute of Technology in 1937.

In Signal Corps

His early work at Bell Laboratories included research on transoceanic radio transmitters and microwave techniques, both for civilian and military applications. In 1942 he was commissioned a major in the U.S. Army Signal Corps and coordinated development programs for airborne radar equipment and radar counter measure devices, receiving the Legion of Merit for this work.

He served as chief of the Engineering Staff of the Signal Corps Engineering Laboratories at Bradley Beach, N.J., and subsequently became Deputy Director of the Engineering Division with rank of colonel, returning to Bell Labs in 1946 as Director of Radio Projects and television research.

In 1949 Dr. McRae was appointed Director of Apparatus Development of Bell Laboratories and has been Vice-President in charge of Switching and Transmissions since 1951.

Native of Arkansas

Mr. Quarles is a native of Van Buren, Ark. He graduated from Yale University in 1916 with a bachelor of arts degree, later took graduate work at Columbia University.

He joined the Bell System in 1919 at Western Electric Company's engineering department in New York City, which in 1925 became Bell Telephone Laboratories. From 1919 to 1924 he was in Transmission Engineering and Research, and then for four years he was a member of the Inspection Engineering Department. In 1919 Mr. Quarles became Director of Outside Plant Development.

In Development Work

As director of Transmission Development from 1940 to 1944 he was in charge of the development of carrier telephone systems, broad band telephone and television systems and improved voice frequency transmission systems.

In 1944 he was appointed director of apparatus development and in 1947 was elected a vice-president of Bell Labs, a post he held until he became President of Sandia Corporation. He is no stranger to the work he will head as Assistant Secretary of Defense in charge of Research and Development. For the past several years he has been chairman of the Electronics committee of the Research and Development Board, which was dissolved with the recent reorganization of the Department of Defense.



Photo by Boyes

SANDIA CORPORATION PRESIDENTS—President Elect James W. McRae, standing, and departing President Donald A. Quarles are shown here during Mr. McRae's recent visit at Sandia. Mr. Quarles will assume his duties as Assistant Secretary of Defense in charge of Research and Development Sept. 1.

Scholarship Will Be Awarded to Freshman At Illinois Tech

Some deserving high school graduate will be awarded a full tuition freshman scholarship this fall by the Albuquerque Alumni Club of the Illinois Institute of Technology.

The scholarship will be for engineering or liberal arts, Ed Janssen, 1284, president of the chapter, announced last week.

Ray Schultz, 1323, is in charge of applications, assisted by Ed Neidel, 5424. Interested boys or girls may mail their qualifications to Ray at his home address, 3121 40th St., Sandia Base, or telephone him there, ext. 20185. Neidel's home telephone number is Alb. 5-3051.

Fred Comstock Officer Of State CPA Society

Recently elected secretary-treasurer of the New Mexico Society of Certified Public Accountants is Fred Comstock, 4133-2.

clerical procedures auditing.

Fred, formerly an accounting instructor at the University of New Mexico, was admitted to the society in June, 1951, after receiving his certificate the previous November. In addition to his participation in the N.M. CPA's group, Fred is a member of the American Accounting Association, the American Institute of Accountants, Alpha Kappa Psi (professional business fraternity) and Beta Alpha, an honorary accounting organization.



Fred Comstock

Toastmasters Go to Denver Convention

Representatives of the Sandia Toastmasters Club will participate in the International Toastmasters Convention, scheduled for Denver, Colo., September 3, 4 and 5.

Art Jones, 2464-1, president of the club, will attend as an official delegate along with Art Russell, 1643, who is on the committee for attendance and membership. Among other Sandians planning to attend the convention are Nate Wineberg, 2553-1, Lee Deeter, 5430, and Ed Janssen, 1284.

"New Horizons" will be the theme of the meetings and Ralph C. Smedley, founder of Toastmasters, will address the delegates, reporting on his recent trip through Europe. Final speech contest will be at Red Rocks, Colo., while the balance of the convention is set for the Shirley-Savoy hotel.

While Art is in Denver, Jack Sublett, 2535, vice president of Sandia Toastmasters, will preside at the Sept. 3 meeting here.

Radio Club Hams Will Have Chance to Bid On Spare Equipment

It'll be "Going . . . going . . . GONE!" at the next meeting of the Sandia Base Radio Club.

Hams who are members of the group are going to bring along all the bits and pieces of equipment they no longer need. All these items will be put up for auction with Carl Carlberg, 2312-2, wielding the gavel.

The Auction Meeting is scheduled for Monday, August 24, 8 p.m., at the clubhouse on the Base.



Photo by Hodges

NATION'S TOP MILITARY MEN, the Joint Chiefs of Staff, are pictured here during their recent visit to Sandia Laboratory. L to R: General Nathan N. Twining, Air Force Chief of Staff; Admiral Robert

B. Carney, Chief of Naval Operations; Admiral Arthur W. Radford, Chairman of the Joint Chiefs of Staff and Gen. Matthew B. Ridgeway, Army Chief of Staff. All were recently appointed by the President.

ADMIRAL ARTHUR W. RADFORD, U.S. NAVY

5 August 1953

Mr. Donald A. Quarles
President, Sandia Corporation
Albuquerque, New Mexico

Dear Mr. Quarles:

I very much appreciate the fine briefings and arrangements made on the occasion of our recent visit to Albuquerque. These briefings have provided me and the other members of the new Joint Chiefs of Staff with valuable background information which will be a great help to us as we tackle the complicated tasks which lie ahead. It was particularly gratifying to receive first-hand the latest information and to have the opportunity for a visit and discussion with you and your principal assistants.

With warmest personal regards,

Sincerely yours,
(s) Arthur Radford

August 7, 1953

Admiral Arthur W. Radford
Chairman-designate
Joint Chiefs of Staff
Pentagon
Washington 25, D.C.

Dear Admiral Radford:

It was a real boost to all of us here at Sandia to have the new Joint Chiefs of Staff visit our operation. I, therefore, particularly appreciated your letter of 5 August 1953. This show of interest is tangible proof to all that the job to be done here is of high importance. While I believe we have realized this in the past, I am sure we will now be stimulated to even greater efforts.

Many thanks for your generous letter and with warmest regards,

Sincerely yours,
(s) D. A. Quarles

Head of Joint Chiefs of Staff Writes Appreciation for Briefing Received Here

Donald A. Quarles, President of Sandia Corporation, has received a message of appreciation from the Chairman of the new Joint Chiefs of Staff for their recent Sandia Laboratory briefings.

Admiral Arthur W. Radford, in a letter to Mr. Quarles, wrote of the valuable background information received from members of the Laboratory's staff and said it would be of great help to the new Joint Chiefs of Staff as they tackle the complicated tasks ahead.

Admiral Radford's letter and Mr. Quarles' reply are printed on the right.

Base Grade School Registers Aug. 28

This is it, kids.

School starts Monday, August 31.

Bill McCord, 5310, president of the Sandia Base School Parent Teachers Association, announced that the school will be open at 9 a.m. Friday, August 28, for registration. Each child must register.

SANDIA BULLETIN

Friday, August 14, 1953

Published for the employees of Sandia Corporation, Albuquerque, New Mexico

Editor, Robert S. Gillespie
Assistant Editors, William A. Jenkins, Maxine Ethridge

Photography by Photographic and Reproduction Division

The Sandia Bulletin is published every other Friday. Contributions should be mailed to The Bulletin, Employees Service Office, Building T-301. All contributions should be in The Bulletin office by noon Friday one week in advance of publication date.

Telephone Ext. 25253



"Oh Say Can You See..."

Next time you walk toward Building 800 look upward and let your eyes rest on the Colors waving in the breeze. Mighty pretty sight to behold.

Makes one think though, because it's all too seldom these days that we see our flag displayed. June 14 (Flag Day) went by with practically no recognition. July 4 also was observed with a minimum display of Old Glory. Both are days when we are expected to fly the flag. Both days most of us failed miserably.

It is a saddening example of human nature that most of us merely comment "it's too bad" or "something should be done" and then proceed to forget the whole affair.

However, there is one group in town which is trying to jar the residents of Albuquerque into a flag-flying consciousness. The American Legion is banging away at the idea of displaying the Colors on appropriate days. And to make this campaign more effective they will sell American flags at cost to interested Albuquerqueans.

"It's a beautiful sight and a privilege to have the flag... displayed..." the Legion affirms. And we agree. It's a sight we love and cherish, but still take for granted.

It would produce quite a jolt some morning to see a strange flag over the parade grounds, on the Ad building tower or over the post office. Failure to display a flag is due largely to apathy. Failure to take interest in our country's public affairs is apathy. Failure to exercise our rights as a citizen is apathy. We could lose our very heritage of freedom by just such apathy.

How to rock Americans out of their apathy for flag display is the problem being tackled by the Legion. It should be everyone's concern. Let's make it ours.

the way we heard it

The Good Old Days?

Back at work after an extended absence for health reasons, Sue Hickey, 1922, is greeting old friends and new. She was one of the original staff when the Laboratory was formed back in 1946. The hazards of working at Sandia then were sometimes of an unexpected nature. She recalls the time she encountered a large, live rattlesnake coiled beneath a water fountain. The shouted warning of a co-worker nearby came just in time as she stepped up to get a drink.

Innocents Abroad

Going to Canada or Mexico on your vacation? Don't forget that security regulations require the removal or covering of your windshield decal before you cross the border. You should inform AEC security of your plans beforehand so that a record of such travel can be maintained.

The Voice Is Familiar

How are your telephone manners? Are you always courteous, helpful and brief? You'll be surprised at the number of times you use your telephone if you keep track of incoming and outgoing calls in one average day. Your Sandia directory has some good advice on Telephone Technique on Page 2. Many of your business associates may never meet you except by telephone. Make certain they will recall those conversations with pleasure.

V-J Day

Just in case you've forgotten, today is Victory Day. It was eight years ago that the Japanese gave up, ending World War II. Traditionally the ending of that war is observed along with the anniversary of the signing of the Armistice of World War I, November 11. Officially V-J Day was Sept. 2, 1945, when the surrender was formally signed aboard the Battleship Missouri in Tokyo Bay.



HAMBURGERS and potato salad were on the menu for these girls from 2231 and 2561 when they enjoyed a patio party recently at the home of Ann Browning.

Bill Muldrow, 5143, is spending an energetic vacation surf board riding and mountain climbing near Spokane, Wash. Al Goodman, also 5143, is serving as clerk of the Bernalillo County Grand Jury.

Warren Roberts, 5143, won the attractive aquarium and many pairs of tropical fish awarded at the last meeting of the Albuquerque Aquarium Association.

Jim Murray, 3171, vacationed in upper state New York and St. Louis.

Margaret Gunderson, 2450, and her husband, "Gundy," 2331, have returned from a fishing trip to Colorado. Bill Bramlett, 2451, spent his vacation seeing New Mexico and traveling 1300 miles right in the old home state. C. A. Weaver, 2451, and Wallace C. Eder, 2452, both saw service at Fort Bliss, Tex., this month.

Nell Dean, 2353, spent a week of her vacation in Yellowstone National Park. Frank Baczek, 2350, has returned to his job after 15 days with the Army Reserve at Camp Polk, La.

At home after their recent honeymoon trip to Colorado Springs and Denver are Bill Yates, 1643, and his bride, the former Ingrid Thiede. Their address is 1320 Stanford Dr. NE.

Eileen Tixier, 1645, spent her vacation in California.



HOLDING HER daddy's "catch" on the recent 1542 picnic is Pam Railey, daughter of A. W. Railey. And standing by with rod 'n reel is Pam's brother Larry. Although the fishing wasn't very good at the recreation area in the Jemez Mountains, the Sandians had lots of fun with volleyball and horse-shoes and highlighted the day with a big chicken dinner.

Myna Shinn, 2141-2, who has been hospitalized in Chicago, is now at home and she'll welcome visitors at 223 Walter St. SE.

Bill McClurken, 2141-2, spent three weeks visiting relatives in Salt Lake City recently, and John Dore, 2151-2, vacationed in Topeka, Kans. Sandians from 2131-2 vacationing recently were Hazel Bailey, to Kirksville, Mo., with her family, Charles Stoner, spending his time at home to put in a sprinkler system and lawn, and Howard Reese, and his wife, Margaret, 3160, resting at home, then to Colorado with their sons.

Harold Meidal, 2131-1, and his family are vacationing in Duluth, Minn., and Jim Hay, 2123-3, and his family are visiting relatives in Illinois and Ohio. Ray Reasoner, 2121-2, and his family went to San Jose, Calif., for their summer holiday, and Irl and Sylvia Pemberton, 2121-1, vacationed in Colorado. Irl is in 1281.

Her fellow workers in AEC are happy to welcome Dorothy Current back to her desk following a lengthy illness.

Around the Departments

George Duke, 1262, vacationed in Denver and Grand Junction, Colo., this month; other Colorado vacationers include R. N. Browne, 1261, who planned a camping trip with his family and Penny Sims, 1261, who leaves the 21st to visit school friends in Denver. C. F. "Robbie" Robinson, 1263, and his wife spent a recent week end in Vallecito Canyon and he participated in a horse show at the Ah, Wilderness! Ranch, bringing back a ribbon for second place.

Vacationers from 2362-2 were Barbara Brock who spent two weeks at home and Margaret Armijo, a week in California, then two weeks at her home near Belen. Edyre Hanna, 2362-3, and family visited relatives in California, and J. E. Devoy, 2322, and his wife vacationed in New York with their families.

Herbert A. Decker, 4233, and his wife flew to Chicago July 29 to visit their son Gordon, a student at Northwestern University Medical School. Haddon C. Redding, 4233, and his wife visited recently in Oklahoma with relatives—they said the weather was HOT!

The Jim Fesler family vacationed near Hatch, N.M., with relatives, encountering flash floods enroute. They were almost caught in an arroyo, but backed the car out before the water descended. Jim is in 4233.

Department 4150 celebrated "closing of the books" with a dance and midnight snack at the Coronado Club Aug. 1.

Vacationers from 4150 include Helen Lautner, to Denver, Marty Lambert, entertaining her parents from Indiana, John Anderson, visiting friends in southern New Mexico and John Hess, camping with his family in colorful Colorado.

Sam DeHaan, 2223, and his family have returned from an extended vacation trip through northern New Mexico and Colorado. Another Sandian visiting in the northern part of the state was Ray Gonzales, 2223.

When Emilio T. Torres, 2351, took his vacation recently he applied his time to building an addition to his mother's home in Albuquerque.

Highlights of Hal Hale's vacation trip to the west coast were visits to Scripps Institute in LaJolla, San Juan Capistrano Mission, and Ensenada in Baja California. Hal is in 1911.

R. T. Bush, 1632, and his wife took a week's fishing trip to Ruidoso this month.

Betty Van Gundy, 4131, and her husband, Gerald, 2223, took their children on a vacation trip to Colorado this month.

Dick Ballard, 3231, spent his vacation motoring through the splendors of Colorado for two weeks.

His co-workers in 5216 honored H. C. Barr and his wife recently with a surprise housewarming at their new home, 2533 Cagua Dr. NE.

Returned from a San Francisco vacation are Mary Ann Lopez, 5216, and her husband, James S. Tamer, also 5216, spent his vacation visiting his family home in Lawrence and Hyannis, Cape Cod, Mass.



THREE POUNDS and six ounces of tasty mountain trout are displayed by C. R. "Curly" Marchbanks, 2234, who caught this beauty at Horse Springs near Grants, N.M.

No job is so important and no service is so urgent that we cannot take time to perform our work safely.

MORE

Around the Departments

Vacationers from 2123 include Jack Miller who joined his family for a trip to their former home in his new station wagon, and Jim Hay and his family, visiting relatives in Illinois and Ohio.

While his mother is visiting here from New Haven, Conn., Art Porter, 2141-2, is taking a vacation to show her some of the charms of the Land of Enchantment.

H. Wilson Maglidt and his wife were honored August 2 by the families of Sandians in 4230 at a steak fry at Pine Flats. Roy Cole, chairman of the committee, was assisted by Mary Talbot, Rose Mary Topper and Reuben Barwick. Roy's charcoal broiled steaks were the highlight of the day. Mr. Maglidt was recently promoted to Department Manager of Staff Administrative Services, 1920.

Vacationers from 2231 include Fred Brockhausen who took a three-week tour of the west coast and visited friends in Oregon; Florencio Baca, Hernandez Chavez, and Forney Carpenter, all of 2234, enjoyed the home state with fishing and visits to points of interest. Wendell Eskridge, 2234, is in Evansville, Ind., with his mother and daughters. Louis Bryant, 2232, and his family covered 4000 miles during their vacation, stopping to visit relatives in Alabama and Tennessee.

Her co-workers welcome back Ethel Abeyta, 2231, after an extended convalescence resulting from an automobile accident.

Callie Lambert, 2231, and her husband celebrated their 41st wedding anniversary with relatives and friends at Alamogordo, Aug. 2. Congratulations!

The 5100 party at the Coronado Club was a success from all reports, and Sandians are still laughing when they recall the clever skits that followed the swimming-dancing-dinner event.

Dennis Chavez, 2211, and Eva, his wife, AEC, are the proud owners of a new two-tone green Pontiac.

Catherine Anesi, AEC, vacationed a week in Durango, Colo., where she attended a fiesta. Also planning a Colorado vacation are Alice and Don White, 1512-3. Alice is with AEC. Charles Huff, AEC, spent a week fishing in northern New Mexico.

Honored on their birthdays recently were Eleanor Kuper and Arthur Martinez, both in AEC's C and R section.

Urceel "Spike" Coombe, 4151, and her husband will head up the Albuquerque Aquarium Association's exhibits at the State Fair this year. "Spike" is secretary of the association.

Vacationers from 3153 include Dorothy Wood, two weeks "just staying home"; Shirley Donovan, a California trip with her parents-in-law, and Jo Anne Fawley, to Warsaw, Ind., with her mother.

Jane Reese, 3153, was pleasantly surprised last week when her husband arrived home unexpectedly from his army camp, complete with discharge papers. He will resume his studies at the University this fall.

Pat Callahan, 5131-1, left this week to spend her vacation in Indianapolis, Ind., and Charlie Clark, 5131, and Bruce Miller, 5133, are both entertaining relatives from out of state.

The Doctor Tells Us There Is Good Reason for Our Hay Fever Ailments

Some explanations and Sympathy. Relief? No!



One year ago this month the BULLETIN asked our medical director, Dr. Frederick G. Hirsch, why so many people are hay fever sufferers. Dr. Hirsch gave the reasons, as he saw them, for the red noses, wet eyes and sneezes. The climatic conditions referred to by Dr. Hirsch in the year-old article may be slightly varied in 1953, but the hay fever season has returned and we think the following is worthy of reprinting.

There are a lot of bewildered and unhappy people in Albuquerque this summer. They are shedding copious amounts of tears which are not due to their bewilderment or to their unhappiness, but rather to the irritation of their eyes due to large amounts of pollen in the air.

These are the hay fever victims who find their lot worse this year than ever.

Many of these people have come to this area within the past four or five years in order to escape the disease. At first the effort to escape seemed to have been successful since they had either no symptoms or few since living here.

This year, however, all of the old troubles have returned. "What has happened?" they ask their physicians. They might better direct this question to the weatherman or the botanist, because the answer can best be supplied by them rather than the doctor.

Think a minute about the marked differences in rainfall and humidity levels which have prevailed this spring and summer. Then take a look at the mesa. Because there has been more moisture, there has resulted an unusually heavy growth of vegetation, so the production of pollen is up many thousand-fold.

Because of the increased relative humidity that abundance of pollen is hanging close to the ground level, making its contact with the eyes and nose more likely. Thus the season for the increase in hay fever symptoms is due to the abundance of the causative agent—pollen in the atmosphere.

Other Factors

Another factor has entered the picture which accounts for the presence of hay fever symptoms in people who have not had any trouble

since coming to New Mexico. This year for the first time in about five years the available moisture is such that plants like false ragweed and others are growing in rather lush stands 'round and about.

The next time you go down Gibson Avenue toward the center of the city look at the gigantic plants which are growing in the ditch. A growth such as this hasn't been in evidence for many years.

False Ragweed Too

Regrettably, false ragweed is cross allergenic with true ragweed which means if the real McCoy gives you hay fever its kisser cousin will too.

There it is again. It's the old business of having your cake and eating it too.

Either we have no moisture, few plants and little hay fever, or we have moisture, lots of plants and lots of hay fever.

No moisture—lots of dust; lots of moisture—no dust. Lots of dust—plenty of other troubles! Taxes, dust, pollen, sniffles, sneezes, bills for pills, flash floods, and so it goes.

Depressing, isn't it?

Weddings and Engagements

Dorothy Anderson, 3152, surprised her friends at a recent Sunday coffee when she announced her engagement and approaching marriage to Dale Walker of Albuquerque. The wedding is planned for early October at St. John's Lutheran Church.

Myrtle Fuller, 4131, and James Valentine, 5231, were married August 1 in a double ring candlelight ceremony at the Church of Christ. After a wedding trip to Colorado the couple will make their home in Albuquerque.

Deloryse McKinney, 2315, and Harry A. Schultz, Jr., 2142, were married July 24 in a quiet ceremony at La Mesa Presbyterian Church. After a honeymoon trip the couple will reside at 2322 Palomas Dr. NE.

Gloria Turner and Howard Nicholson, both of 4152, were married August 8 at the Central Avenue Methodist Church. They will be at home at 1336 Lafayette Dr. NE, following their honeymoon.

Twins Born to Kahlers Aug. 3

It was a double order of joy for E. G. Kahler, 2311, and his wife August 3 when they welcomed twins into the family. John Edward weighed six pounds, 8 ounces and his sister, Jeanie Isabel, weighed five pounds, 13 ounces. Congratulations!

Promotion

LAVERN J. WEHBY to section supervisor, 3231-1. Vern has been with the Corporation since February 1951. He came here from Kansas City, Mo., where for 10 months he was employed as an administrative assistant in the personnel department of the city government. Prior to that Vern received his Master of Science degree in industrial engineering from Lehigh University, Bethlehem, Pa. He also holds a Bachelor of Science degree in mechanical engineering from the University of Colorado. Vern is a veteran of two and a half years in the Army.



WEEKEND Vacationer



Photo by Laskar

UP GOES "Old Man Gloom" in smoke and flames to herald the opening night of the Annual Santa Fe Fiesta.

Gem and Mineral Fans Will Hear Discussion Of Garnet Varieties

"Chalcedony, Calcite and Pyrope Variety of Garnet," is the bewildering title of a lecture to be presented by A. D. Hinds, 2562-2, before the Albuquerque Gem and Mineral Club on Tuesday.

The lecture will describe three different types of minerals which are all to be found in the vicinity of Shiprock, near the northwest corner of the state. Chalcedony is a form of quartz, calcite is in the mica family and the pyrope variety of garnet is just too complicated to explain easily.

Hinds will discuss the properties of the minerals and give tips on the locations where they may be found.

Also on the program is Jesse McKee, 2124, who was recently featured in the BULLETIN for his amazing collection of minerals, Indian artifacts, guns and stamps. Jesse will present a travelogue concerning his finds during a recent vacation trip.

The club will meet at the Church of Christ social room, Fifth Street and Marble Ave., at 7:30 p.m.

Here's a Good Weekend Of Fun—and It's Nearby

The annual Santa Fe Fiesta will open this year at 7 p.m., Friday, August 28, when for the first time crowning of the queen will launch the gay event.

The 1953 queen will be crowned at the Cathedral in downtown Santa Fe and then Zozobra, "Old Man Gloom," will be burned in effigy north of the city.

New Mexico's capital city takes on a festive dress for this big occasion, and there will be parades and processions throughout the weekend.

According to present plans the impressive Candlelight Procession will be on Sunday, but date for the traditional Historical Parade is yet to be announced. The delightful Hysterical Parade will follow by a day its more dignified counterpart.

In between fiesta activities the visitor may explore the historical sites of this centuries-old city, its fascinating shops, the excellent museums and attractive parks. Advance reservations are suggested for those staying overnight and Santa Fe has many comfortable hotels and motels. Santa Fe is only 65 miles from Albuquerque, north on U.S. Highway 85.

Santo Domingo Fiesta Day Is Also Day of Wedding for Sandia Employee

The occasion of the annual corn dance festivities at Santo Domingo pueblo was chosen for the date of his wedding by Ramon C. Garcia, 2223-2, who was married to a girl from the pueblo August 4.

Ramon participated in the Indian dances as did another Sandian, Victor Reano, 2541-2, and in the tribal ceremonies honoring Saint Domingo. Purpose of the annual celebration is to unite spiritually members of the pueblo. It is a continuation of an ancient religious ceremony in worship of all things green and a prayer for rain and a fine harvest for the whole nation.

Ramon, in addition to his work for Sandia Corporation, is a silversmith. He will have one of the largest collections of Indian jewelry to exhibit at the Gallup Inter Tribal Ceremonial this weekend.

Welcome! Newcomers

A welcome is extended to the following newcomers who joined Sandia Corporation between July 23 and August 5:

- Fred J. Weibeli.....4283
- Edwin G. McCarvie.....1555
- Ferne L. Saylor.....1633
- Sue B. Hickey.....1922
- Francisco T. Gurule.....1931
- Russell W. Sheppard.....1932
- Walter E. Meyer.....2124
- Gordon H. Armour.....2126
- Bobby Gray.....2141
- Anna D. Michele.....2331
- Milton D. Meek.....2419
- Raye C. Egnor.....2461
- J. Deane Culp.....2483
- Josephine Mounyo.....2533
- Callie Atkerton.....4131
- Clifton D. Douglas.....4152
- James E. Hare.....4152
- Bulette V. Bonar.....4222
- Yvonne E. Bosen.....4222
- Patricia A. Carpenter.....4222
- Constance H. Galpin.....4222
- Verna D. Pope.....4222
- Charles H. Stockley, Jr.....5352
- Carrol D. Beaman.....5312
- Paul F. Bahr.....5430
- Dale M. Richey.....5431

A WONDERFUL BIRD—Raymond Wason, left, and Ira McKinney, 5214, examine a pelican which Ray lassoed in true cowboy style. The bird, which had a wingspread of six feet, was released to join hundreds of others nesting along Salton Sea near Sandia Corporation's Salton Sea Test Base in Southern California.



Photo by Keller

R. J. Hansen Heads Lab's Chest Drive; Two-Day Canvass Planned for October

R. J. "Jack" Hansen, 2200, has been appointed chairman of our 1953 Community Chest Drive. He succeeds H. J. Wallis who headed the '52 campaign and has recently returned to an assignment with the Bell System in New York.

An initial planning meeting was held last week and Mr. Hansen told members of the Sandia Corporation Community Chest Committee that the quota for Bernalillo County has been upped from \$230,000 to \$274,000.

Greater Challenge

"The increased quota," Mr. Hansen said, "provides a greater challenge to Sandians." He continued by pointing out that last year employees, the Corporation and Anderson-Dunham contributed \$33,162 to the county's drive.

"This year with our increased number of employees we have a greater potential for giving," he added.

Attending the meeting were the following committee members: Charles W. Campbell 1900, Harold W. Sharp 3100, Kenneth W. Erickson 5130, Emil C. Deuschle 4310, A. F. "Doc" Cone 1510, C. W. "Curly" Eggert 2414, Kenneth C. Shinn 2471, and William O. Bramlett 2451.

Others Participate

Other Sandians are participating closely with the Red Feather drive this year. T. E. Shea, Vice-President and General Manager, is Vice-President of the Albuquerque Community Chest and also a member of the Community Chest Board of Directors. Fred B. Smith, Personnel Director and Treasurer, is a member of the joint Sandia-AEC-Military Service Committee of the Community Chest. Curly Eggert also serves as a member of the Albuquerque Community Chest Board of Directors.

Plans are now being formulated which will result in concentrating the drive in a two-day period early in October.

"Ninety per cent of our employees contributed in our 1952 drive," Mr. Hansen reports, "and we are going to strive to make the record 100 per cent this year."



R. J. Hansen



K. W. Erickson



C. W. Campbell



H. W. Sharp



E. C. Deuschle



A. F. Cone



W. O. Bramlett



C. W. Eggert



K. C. Shinn

Ed Miller to Head Transistor Session At IRE Convention

Sandia's new president, James W. McRae, will join several Sandians in attending the Institute of Radio Engineers' West Coast Convention next week. Dr. McRae is national president of the IRE.

The convention, which will be held at the San Francisco Civic Center



Edward G. Miller
"Transistor Physics..."

on August 19, 20 and 21, will cover in its sessions practically all phases of radio engineering.

Ed Miller, 6010, will be chairman of one of the most important meetings planned for the convention. His session will concern the practical and theoretical aspects of the new field of transistor physics.

Among the other Sandians slated to attend are: Art Engquist 5330, Ted Church 5414, B. J. Carr 5414, and Tom Banks 5420.

The convention is jointly sponsored by the IRE and the Western Electronic Manufacturers association.

A tenderfoot at first, this Father tells his story in

I Am a Scoutmaster

When Leonard Delang walked in the place was empty. He'd joined his church's Boy Scout committee and when he showed up at the committee's first meeting the only other people who arrived were the minister and the ex-scoutmaster, a serviceman who was transferring away from Albuquerque.

When Leonard Delang walked out he was the new scoutmaster of Boy Scout Troop 111.

Knew Little Scouting

"There was only one thing wrong with this setup," Len says. "I didn't know the first thing about Boy Scouts. My woods lore was confined to avoiding poison ivy on picnics."

Len is a farsighted individual. Perfect proof of this lies in the fact that he joined the Scout committee in order to gain knowledge of scouting in preparation for the day his sons might want to join. Len has two sons. One is two years old, the other is two weeks old.

Learned Fast

So now that he was top man in Troop 111, Len, with characteristic vigor, set about learning to be a Boy Scout. He had a horrible picture in his mind of one of his little charges coming up to him and demanding an explanation of the intricacies of a bowline knot whereupon he'd either have to stammer his ignorance or turn in humiliation to the Scout Manual.

"I soon found out that you don't become a Boy Scout in a day. Being a Boy Scout is just the beginning. Scouts today are aged 11 through 13—at the age of 14 they become Explorers and enter a whole new field of training."

Amassed Literature

Luckily Len's boys were all Scouts so he didn't have to bone up on how

to be an Explorer—yet. His accelerated course in Boy Scouting was enough. So much so that his wife began to worry about him. Len amassed a huge stack of Scout literature and his nights were spent poring over treatises on the proper way to peg a tent and how to light a fire without a Ronson... (and you don't do it by rubbing two Boy Scouts together, Robert Benchley notwithstanding).

Len's study bore fruit, however, because when he began to hold regular Thursday night meetings with



Scoutmaster Leonard Delang
"According to the book..."

his Troop he found that the boys accepted him without question. And on the rare occasions when he was presented with a question that left him floundering he always managed to recover his composure in time either to think up a common sense answer, change the subject or find something pressing to take care of across the room.

Most Fascinating

The deeper Len became involved in his new venture the more fascinated he became. In order to do a better job for his dozen or so boys he attended a week-long course in Scout leadership at the famous 200-square-mile Philmont Ranch in northern New Mexico.

There, along with Doug McRae, 3170, a member of his church committee, Len took part in eight to 10 lectures a day on Scout organization, methods of forming and running a troop, conducting activities, etc. etc.

Now, 20 months later, Len's Troop functions like clockwork, in fact he and Doug McRae are contemplating setting up an Explorer Post some time soon.

Field Widens

"It's a funny thing about a deal like this," says Len, who works in 2442, "all I did was join the Scout committee and now I'm on the church youth commission, a member of St. Paul's Brotherhood, the men's group, president of the Couples Club, and member of the Boy Scout District Council. The meetings take up darn near every night of the week and my wife is beginning to wish I could stay home evenings. Next year I think I'll concentrate on being Scoutmaster."

Here's a Tip on a Trip for Your Next Vacation—Head North as the Ewings Do

When Frank Ewing, 2463, and his family went on vacation last month they headed straight north—and for a while it looked as if they'd never stop.

They went so far up that they were driving alongside rivers that were running north instead of south. At one point they were less than 500 miles from Alaska, 250 miles from the Yukon.

Up in that part of the world at this time of year the sun sets at 10 p.m., except that it never really sets. There's no night, only twilight.

Near Arctic Circle

"At Prince George in British Columbia," says Frank, "it's possible to get into a boat and by traveling an unbelievable network of lakes and rivers, arrive at the Arctic Circle without setting foot on land."

Frank and his wife, Bea, their children, Charlie, 7, and Ellen Ann, 8, and Frank's father, Dr. C. E. Ewing, traveled a total of 5,500 miles on the vacation.

Most of the trip was through Canada's Alberta and British Columbia. Alberta is mainly open wheat country. British Columbia is forest country with lumber as its main industry, and in a province the size of California, Washington and Oregon put together, the population is less than a million and a half.

Dense Forests

"For miles at a time we drove through what amounted to a forest tunnel," Frank related. "The woods were so dense that you couldn't see more than 10 yards into the gloom on either side of the road no matter how sunny it was. And the inside of those forests smelled musty as if the sun hadn't reached the ground in years—and it probably hadn't."

Unequaled Scenery

The route the Ewings followed roughly describes a hoop. The famous Alcan Highway starts near Dawson Creek at the top of British Columbia. Leading to this starting point are two main routes, some-

times referred to as Alcan Highway branches. The Ewings went up one branch and came down on the other.

They had no trouble finding accommodations, the roads were easily traveled, and the scenery was unparalleled. Keep it in mind for next year.

Carlos Sanchez Helps Train Cavalry Troops On Japanese Island

"I am now on the island of Hokkaido, Japan, helping to train the First Cavalry Division on amphibious operations," writes Marine Corps Sgt. Carlos A. Sanchez, Jr. Carlos worked as a draftsman here in 1951.

He says he's eagerly awaiting his return to Sandia Corporation.

"I am scheduled for discharge on the 5th of December, 1953, and hope to return to work immediately after the Christmas holidays."



Photo by Dunlap

SHARING A SNACK with two furry friends are Security Inspector Sabino Garcia (L) and Sgt. Michael Sylvester at the Area 2 guard post. Every morning, the inspectors say, a number of chipmunks appear for a late breakfast. They're surprisingly tame, in fact they'll gambol about the guard shack, chattering madly at each other, minutes on end.

At the Coronado Club

Formal Dinner Dance Tomorrow Night; Family Night Has Thrilling Movies

It's not often in this informal Southwest that the girls get a chance to show off their fanciest duds, but the millennium is here! Tomorrow night the Coronado Club will glow with color and beauty when the ladies appear in their most stunning evening gowns for the Formal Dinner-Dance.

Air Force Band

In keeping with the elegant spirit of the evening the 17-piece Air Force Dance Orchestra will provide a background of music for dining and dancing.

The dinner will be served at 7:30 p.m. and dancing will be from 9 to 1. Admission is \$2.25 per member, \$3.25 per guest.

On Sunday the open pair bridge competition is scheduled from 7 to 11 p.m. followed by Bingo on Wednesday evening and duplicate bridge on Thursday evening.

Aquacade Program

An informal juke box dance is slated for Saturday, the 22nd, and on Sunday, the 23rd, another of the Club's featured events of the month will take place. This is the Aquacade-Barbecue-Dance. The Aquacade performance starts at 5 p.m. and lasts until the barbecue dinner is ready at 7 p.m. Dancing to Monty McLean's Orchestra will be from 7 to 11 p.m. Admission is \$1.75 per member, \$2.75 per guest.

On the last Tuesday of the month a showing of FREE movies for all will be presented in the ballroom from 8 to 10 p.m. Two features and a host of comedies

and cartoons are scheduled.

Armed Forces Films

The first feature is a half-hour-long film on the 1952 Olympic Games. The second feature is The Armed Forces Screen Magazine, revealing surprising scenes of the new atomic submarine, Nautilus; shots of the Aerobee rocket in action—this is the White Sands rocket that carried monkeys higher than any living creature has ever gone; plus exciting pictures of the new Army jeep being tested at Aberdeen proving grounds.

On August 27 another duplicate bridge session will be conducted and winding up the month's activities with a bang will be the Saturday night Informal Dance on the 29th with Tommy Mallow's Orchestra performing.

Mountain Tumble Injures Climber

Hugh DeWitt, 5112, is reported recuperating in Bataan Memorial Hospital from injuries received last Sunday in a mountain climbing accident in the Sandias.

Hugh suffered a fractured ankle, sprained ankle, badly dislocated arm, and cuts and bruises in his fall in a remote, rough section of the mountain range. He was rescued by the military from Sandia Base.

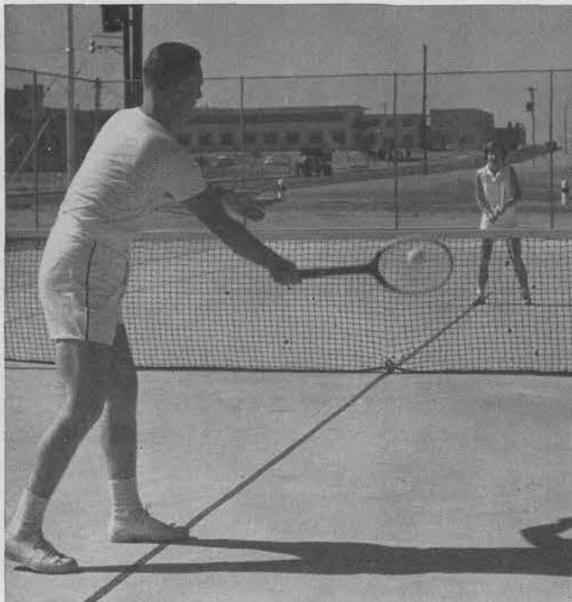
Several of Hugh's friends from Sandia Corporation were on hand when he was finally brought down in a blanket litter and he recognized them, despite heavy dosages of drugs administered to relieve his distress.



A BRIGHT SUMMER DAY provides a grand opportunity for Carol Keith, 3153, and Bob Betz, 6010, to enjoy an early morning game of tennis. Carol prepares to spin for serve.

Tennis Tale

Two Skilled Sandians on a Summer Day



A FOREHAND RETURN is hit by Bob. The couple play at the Base Courts and both are members of the Corporation's employees' tennis ladder competition.



IT WAS A GOOD GAME and in traditional style the winner (we won't say who he was) shakes hands with the loser. Now for a refreshing swim. Ahhhh, youth!

Photos by Hodges

Sandia Laboratory Personnel Praised For Work at Nevada Nuclear Tests

Congratulations for the excellent performance of Sandia Corporation personnel at the recent atomic tests in Nevada have been received by President Quarles from J. C. Clark, Los Alamos Scientific Laboratory, who was deputy test director of

Operation Upshot-Knothole. Several Sandians were named in the letter which praised all the Laboratory personnel assisting in making the test successful. Following is the text of the letter from Dr. Clark:

OFFICE OF THE TEST DIRECTOR
Operation Upshot-Knothole
Box 1663
Los Alamos, New Mexico
July 20, 1953

Mr. Donald A. Quarles
President, Sandia Corporation
Sandia Base
Albuquerque, New Mexico

Dear Mr. Quarles:

With the completion of Operation Upshot-Knothole, Dr. Graves and I wish to take this opportunity to thank you and the personnel in your organization who contributed so much to make this series of tests a success. We know that many more Sandia Corporation people than were actually present at the tests necessarily participated. However, we would like to mention those who were assigned to work closely with the Test Director's Office, and to thank them for their splendid cooperation.

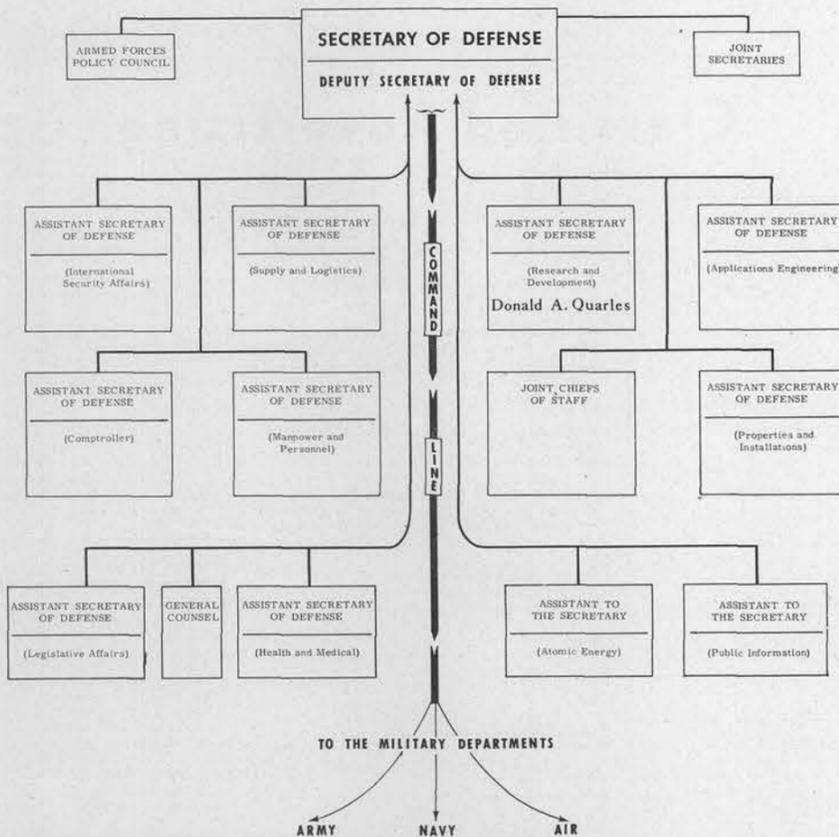
In the planning stages we worked most closely with Mr. Glen Fowler and personnel in his organization, and during the test period with Sandia's representatives at the site, namely Mr. Harlan Lenander and Dr. John Harding. Our relationships with these people were always most satisfactory.

As in previous tests, for Operation Upshot-Knothole the weapons assembly was handled by Mr. Harvey North, and in his absence by Mr. Joe Heaston. This group of people were always cooperative and did indeed do a magnificent job for us. As you know, we also utilized Sandia Corporation's radio operators in our Air Operations Center, and this group working with Mr. C. M. Long carried out a gruesome work schedule in a most satisfactory manner. We borrowed Mr. R. C. Spence for operation of the tone release equipment during the air drops and he also did a fine job. Finally, the microbarographic group working for Dr. Everett Cox did an excellent job and in a most cooperative manner.

We would like to say again that the above-mentioned Sandia personnel are only those who were most closely associated with the operational aspects of the tests, and to thank these people for their sincere interest.

Very truly yours,
(s) J. C. Clark
Deputy Test Director

New Defense Department Organization



DEFENSE DEPARTMENT REVAMPING has resulted in the adoption of the above organization which shows the position of Donald A. Quarles in the post of Assistant Secretary of Defense in charge of Research and Development.

G. I. News—

From Sandians in The Armed Forces

One Sandian on military leave is a long distance off, but the locale sounds the same. Pvt. Edward G. Paboucek writes us from Sendai, Japan, and asks that he continue to receive the BULLETIN. His address is as follows:

Pvt. Edward G. Paboucek
RA18403489
71st Engineers Field Maint. Co.
APO 547 c/o Postmaster
San Francisco, Calif.

Sympathy

Our sympathy is expressed to A. E. Uehlinger, AEC, for the death of his mother July 26.

Sympathy is extended to Ted Forcum, 2234, whose mother died August 1 at Wagoner, Okla.

Her co-workers extend their sympathy to Carolyn Tippit, 1641-3, whose father died August 1 in Joplin, Mo. Carolyn went to Missouri for the funeral.

His co-workers in 1261 extend their sympathy to Mr. and Mrs. R. N. Browne for the recent death of Mrs. Browne's father.



Photo by Dunlap

MOTOR MAINTENANCE MEN display "Tool Mobiles" which help them in their job of keeping Sandia Corporation's transportation in tip top shape. Each rolling tool bench completely equipped is assigned to one man. Mechanics shown here, L to R, front row: Walter G. Bush and Floyd Neff; second row: George Simpson, F. G. Gabaldon, Jack Stagner, Ralph Miller and Charles Garcia; back row: Louis White, Lloyd Kelton, Henry Moleculeski, Elmer Templeton and Glen I. Hastie. All are in Org. 2417.

Meet Your Sandia Sports Personalities

Veterans of the Albuquerque Field Archers Association were surprised early this year to find a young Robin Hood in their midst.

The first they knew of it was when he ran off with first prize (a bow) at the Hickman Day tournament in March honoring ex-Sandian Dr. C. N. Hickman.

New at Sport

And most surprising of all was the fact that this newcomer had hardly touched a bow until a few months before the tournament.

His name is Dick Callahan and he proved his prowess again later in the year by winning second place in the novice class at the New Mexico Field Archers State Championship Tournament.

Dick was initiated into the sport shortly after he came to work in 1932-2 on Feb. 6, 1952. He met Gene Bussey, 5226, a long-time archer and a member of both the state and the local associations. Gene got Dick interested enough to join the state association, to buy equipment, and to start practicing at the Albuquerque group's range 15 miles north of town on highway 85.

Plans Hunting

This year Dick is looking forward to his first bow and arrow hunting trips. He plans to join members of the association when

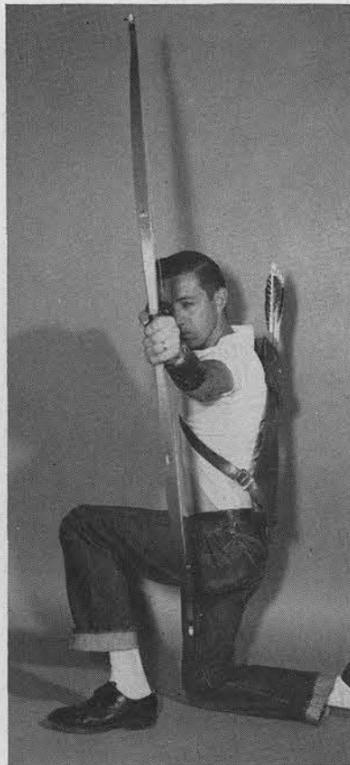


Photo by Dunlap

they participate in the several special seasons that are open in various parts of the state for archery hunters.

Tennis Players Meet in Tourney September 13-14

Plans to conduct a Sandia Employees Tennis Tournament were discussed at a recent meeting of members on the current tennis ladder. The tourney will be held on Sept. 13 and 14 on the courts north of the Base gym.

All Sandia Corporation and AEC employees are eligible to enter the tournament. However, only the top four players on the Sandia Employees Tennis Ladder will be seeded.

Only a singles tourney is planned at the present time. A doubles meet will be scheduled at a later date if there is sufficient interest.

A meeting of all tournament participants will be held on Sept. 2. Rules for conducting the meet will be drawn up and drawing for places will take place at the meeting. All entries must be in by this date.

Individuals may enter the tournament by phoning Dick Heim at Employee Services, ext. 29157.

Sandian Wins Second Chess Tourney Honors

Maxwell B. Miller, 2452, won his first trophy recently when he placed second in the Albuquerque Chess Tournament. Maxwell, who won four out of five games, was one of 32 participants in the match. He will enter the New Mexico State Chess Tournament in September.



Photo by Kew

EATING HIS WORDS, columnist Will Harrison straddles his mobile transmitter station while Carl Carlberg feeds him the column that created a state-wide uproar in amateur radio circles.

Outraged (Almost) Radio Hams Feed Columnist His Own Words—All in Fun

Like a swarm of angry bees, 29 Sandians poured out of town a couple of weeks ago and formed a cavalcade headed for Santa Fe to join amateur radio fans from all over the state converging on Columnist Will Harrison.

The object? To prove Harrison was wrong in criticizing a new state law giving amateurs the right to have their station identification letters instead of the usual numbers on their car license plates.

Harrison said there were only a few hams in the state and only a small number of these had transmitters in their cars.

He Eats Words

To show him the error of his ways nearly 100 hams with mobile transmitters appeared at Harrison's Santa Fe home. There they mounted him on a burro, complete with transmitter, and Carl Carlberg, 2312-2, proceeded to feed him the offending newspaper column.

Then, relenting, the hams presented Harrison with an honorary membership in the New Mexico

Amateur Mobile Radio Assn. The certificate gave him the title of "admiral of the mobile fleet" with jurisdiction over "the commonwealth of New Mexico, the vast unsettled areas of Texas, and the independent, sovereign state of Socorro."

Middletton Presides

A. David Middletton, 5321-3, American Radio Relay League West Gulf Director, made the presentation.

During the demonstration amateurs met with civil defense officials and took part in a disaster test involving a simulated flood of Santa Fe by bursting foothill reservoir dams.

The 29 radio amateurs from Sandia who joined in the celebration were: Joe Knight, Joe DeBaca, Si Upson, AEC; Pat Patterson, 5422, Brooks Braffett, 2341, Billie Braffett, 2341 Wayne Welkenback, 2561, Doc Watkins, 1512, Jim Lindsey, Earl Fletcher, Warren Erod, Vaughn Nogle, 5414; Frank Hoover, Jim Lareau, 5221; Carl Carlberg, 2312, Tom Banks, 5421, Tom Marshall, A. David Middletton, 5321-3; John Dobias, Travis Allen, 2231; Howard Carmody, 2223; Don Fossum, Bill Blair, 1652; Einer Morterud, 1513; Paul Dugan, 1333; Stan McCammon, 2560; Buford Eagan, 1264; Ed Miller, 6010.

Pair Bridge Tourney At Club This Sunday

Bridge champions of the "pair" tournament scheduled for Sunday will receive loving cups, it has been announced by John J. Miller, 5211, Coronado Club member in charge of the activity.

Coronado Club members are invited to participate in the play which begins at 7 p.m. Guests are also permitted to play, but one member of each pair must belong to the Club.

SANDIA EMPLOYEES GOLF LEAGUE

Final Standings—First Round FLIGHT "A"

Team	Won	Lost
Horne	23½	9½
Williams	21½	11½
Murdock	21	12
B. Kelly	20	13
Ladanye	19	14
J. Kelly	18½	14½
Price	15½	17½
Angus	14½	18½
Fornero	13½	19½
Willitt	12½	20½
Kidd	12	21
Massey	6½	26½

FLIGHT "B"

Aas	23	4
Johnson	20½	6½
Logan	18½	8½
Dzagan	17	10
Peterson	14	13
Harley	14	13
Mileski	12½	14½
Sieberman	8	19
Senn	6	21
Lenz	4½	22½

SOFTBALL STANDINGS

August 7, 1953

Team	Won	Lost
Braves	7	0
Indians	7	0
Cardinals	6	2
Athletics	3	4
Yankees	3	5
White Sox	3	6
Browns	1	7

Team	Won	Lost
Cubs	7	1
Red Sox	5	2
Dodgers	4	3
Phillies	4	3
Pirates	3	5
Senators	2	5
Redlegs	1	7

Classified Advertising

Classified Advertising

Classified advertising is printed in the Sandia Bulletin as a service to Sandia Corporation employees and employees of the AEC on Sandia Base. There is no charge for publishing the advertisements.

Advertisements must be submitted in writing and contain the name, organization, home telephone number and base extension of the advertiser.

Each advertisement will be run one issue. Deadline: Friday noon, one week prior to date of publication.

Next Deadline: Noon, Aug. 21

FOR SALE—

G.E. REFRIGERATOR, 6 cu. ft., sealed unit, \$50. Lundgren, ext. 24244.

'49 LINCOLN Cosmopolitan, R and H, seat covers, only 27,000 actual miles, \$995. Gross, Alb. 5-8950 after 5.

ABC WASHER with pump and 2 tubs, \$40. Seay, Alb. 6-1296, 2315 Hoffman Dr. NE.

TWO-BEDROOM HOME, corner lot, walled yard, front lawn, near shopping center, bus line, public, parochial, and junior high schools, \$10,500. Liguori, Alb. 6-3513.

TWO CASTING RODS with reels, \$8 and \$2; also electric sander \$10. Neilsen, 312 Wellesley SE, Alb. 5-8989.

GIRL'S BICYCLE, 26-in., \$20. Leonard, 808 Georgia SE, Alb. 5-4825.

SPANISH GUITAR, \$12.50. Stewart, 504 Arizona SE, Alb. 6-3976.

SCHWINN BICYCLE, 3-speed, lightweight, ridden about a dozen times only, \$50. Baxter, ext. 26258.

HUNTING BOW, 65-lb. hickory with 2 dozen assorted target and hunting arrows, \$20 or will sell separately. Amonette, Alb. 3-8928.

K-22 MASTERPIECE, \$55; also Winchester 63-22 L.R. Weaver B-4, \$60. Snodgrass, Alb. 6-4072.

LADY'S BICYCLE with basket and cyclo-meter, \$22; see at 1436 Manzano NE. Glaese, Alb. 5-5932.

'51 CHRYSLER convertible Windsor, or trade for later model car for equity, R and H, low mileage; also Bradley upright piano, \$85 or best offer. Edwards, 2627 Gen. Marshall NE (Hoffmantown), ext. 32265.

'50 BUICK SPECIAL 2-door, R and H, whitewall tires, one owner, 24,000 actual miles. Hook, 3065-35th Place, ext. 37273.

AMERICAN GIRL wardrobe bag, complete with hangers, \$15. Toth, 740 Alvarado Dr. SE, ext. 22247.

CLEAN GAS RANGE. Dahl, ext. 28132.

DOUBLE BARREL SHOTGUN, Fox model "B" 12 gauge, \$35. Eidson, Alb. 4-3303.

REGISTERED WEIMARANER pups, exceptional quality stud; Kosac, winner of many shows; dam: Silber Blau Spf, \$125 to \$175. Ewing, Alb. 5-1958 after 5.

NEW YOUTH BED, light color, inner-spring mattress, \$30. DeBaca, Alb. 4-0153 after 5.

HEATH VTVM, \$30. Lenz, ext. 34134.

P. A. SYSTEM and new mike; portable radio. Howard, Alb. 5-7846.

KNOTTY PINE CHEST of drawers and single bed to match, Simmons box springs and mattress; also Lane cedar chest, mahogany. Bowen, Alb. 5-3115 after 5.

EASY SPIN-DRIER washing machine, any reasonable offer. Tandy, 9013 Woodland Ave. NE, ext. 20139.

UNDERWOOD TYPEWRITER, 5-12 carriage, standard, \$20. Padilla, Alb. 5-8060.

TWO BEDROOM HOME, lawn, walled back yard, small down payment, 2732 Georgia St. NE. Copeland, ext. 24240.

MEN'S 2-PIECE "Indestructo" luggage, \$45; men's 2-piece genuine cowhide luggage, \$85; Royal rayon 4-door sedan seat covers, \$25; all new, or will swap for ham gear. Stueber, ext. 20135.

EASY WASHER, new, taken in on trade; will sell for half price or will trade for what-have-you. Burns, Alb. 5-3737.

REMODELED STUDIO PIANO, almost new and beautiful tone, \$275 cash. Wedge, 403 Alcazar NE, Alb. 5-2027.

1946 HARLEY DAVIDSON, new paint, wiring and rings, extra equipment, \$350. Koontz, ext. 36145, or see at 8714 Woodland Ave. NE (Hoffmantown) after 5.

'49 DODGE CORONET, 4-door sedan, automatic transmission, R and H, new motor recently installed, \$200 down and take over payments; also 9-year-old brown gelding, Quarter and Tennessee Walker breeding, trained roping and cutting horse, gentle. Miller, ext. 29237.

TWO METAL LAWN CHAIRS, \$5 each; also one Sears type 200-ft. clothesline drier, \$8. Glass, ext. 28190.

UPRIGHT SCHROEDER PIANO, \$90; also wine-colored bed divan, \$20. Duffield, Alb. 5-1081.

FORDOR 1950 custom deluxe, 8-tube radio, heater, spotlight, etc., will sell on easy terms to Base personnel. Craven, ext. 25285.

PACEMAKER GRAPHIC, 4x5, Zeiss tessar lens, compur shutter, Heiland flashgun, \$140. Shew, ext. 22156.

DELUXE EDITION Funk and Wagnall encyclopedia, \$60; also portable typewriter. Donaldson, Alb. 5-6500.

DINETTE TABLE, 4 chairs, black silver fox finish with red plastic seats, \$39; evaporative cooler, 1500 CFM, 3-speed fan, recirculating pump, metal duct and frame (mounts to efficiency apt. window), \$39; window drapes and bedroom partition curtain, \$19. Duncan, ext. 26179 after 4:30.

IMPORTED CHINESE hooked rugs and pads, one 9x12 ft., \$85; other 6x7 ft., \$35 or best offer. Liebman, ext. 35157.

'50 PONTIAC SEDAN delivery, \$850; 9-ft. Servel ice-maker electric refrigerator, brand new, guaranteed, \$370; also 6-ft. Maytag deepfreeze, almost new, \$150. DeHerder, ext. 25260.

WURLITZER SPINET piano, mahogany, \$495 or best offer; also 1950 Crosley station wagon, \$475 or best offer. Mobbs, 5903 Kathryn Ave. SE.

'50 STUDEBAKER COMMANDER, 4-door, R and H, overdrive, low mileage, recent motor tune-up, new tires, clean, \$1050. Pliner, Alb. 6-1907.

'41 PACKARD COUPE, new upholstery, reconditioned motor, Campbell, ext. 3-6171.

HALF-INTEREST in Ercoupe aircraft, 1946, licensed until August, 1954, two-way low frequency radio, \$650. Bircher, ext. 22164, or Wright, ext. 21147 after 5.

THOR WASHER, \$35. Wardrobe trunk, \$25. Campbell, Alb. 5-2640 or 5-4271.

1949 PACKARD station sedan, \$975. Armour, 8028 Hannett Ave. NE, Snow Addn.

1949 OLDS 88, 4-door, hydramatic, R&H, direction signals. Hevert, Alb. 4-1254.

1951 OLDSMOBILE convertible 98. Reck, Alb. 4-6214 or 426 Headingly NW.

1940 CHEVROLET, good paint job and seat covers. Rebuilt motor recently installed, excellent brakes. Lunsford, Alb. 3-8759 after 5:30.

FOR RENT—

BEDROOM with adjoining bath. Off Ridgcrest Dr. Campbell, Alb. 5-2640 or 5-4271.

LARGE ONE-BEDROOM house, unfurnished, stove, \$65 per month; also deluxe triplex unit, 2 bedrooms, stove, refrigerator, garage and storage, garbage, water and sewage paid, \$85 per month. Kirkland, Alb. 6-3260 after 5.

COMFORTABLE ROOM in private home, adjoining bath, near both bases. Wallace, 106 California St. SE, Alb. 6-2925.

BACHELOR APARTMENT, private, modern, bills paid, fenced lawn, near base, available Aug. 15. Sturtevant, Alb. 6-0810.

TWO BEDROOM HOME. 1621 Griegos NW. Martinez, Alb. 45022.

THREE BEDROOM HOME, new, less than five minutes from West Gate, \$100 per month. Rudeau, Alb. 3-2452.

WANTED—

TO TRADE Montgomery Ward portable sewing machine, long shuttle, for a console in good condition. Virginia Southernland, 336 General Somervell NE, ext. 28242.

TO JOIN CAR POOL from vicinity North Stanford near Hannett to Bldg. 880. Celeste Gatling, Alb. 5-8179 evenings.

20-INCH GIRL'S BICYCLE. Bowen, ext. 25246.

SHARE RIDES from 1413 Wilmoore Dr. SE to base, Corp. hours. Harold Lee, ext. 20236.

RIDE from vicinity 407 Solano Dr. NE (between Lomas and Central) for two girls. Betty Sexton, Alb. 5-1306.

TO JOIN or form car pool from Wherry to Bldg. 880 or 892. Sherwood, ext. 33245.

TWO MEN to form car pool from West Central across river. John Tanner, Alb. 2-7724.

RIDE from 1300 block Tijeras NE to Adm. Bldg., Corp. hours. Jean Richmond, ext. 34133.

PASSENGERS to Detroit (or points en-route). Leaving on or about Sept. 19. Returning about Sept. 26. Couples or women only. Southern, Alb. 26405 after 5.

RIDERS: Leaving for West Virginia about Sept. 4. Three persons to share expenses. Robert Kraus, Alb. 3-9589.

RIDE from corner Lomas Blvd. and 12th NW or Mountain Rd. and 12th NW to Bldg. 892 or 880. Hernandez, ext. 23263.

RIDE from vicinity 10th St. and Tijeras to Adm. Bldg. Audrey, Alb. 3-0612.

RIDE from 1017 Summit Ave. NE to vicinity Gate 4. Bonar, Alb. 5-8325.