

SANDIA LAB NEWS

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Albuquerque, New Mexico

May 31, 1957

Over 150 College Graduates To Start Work Here This Summer

Success of Sandia's college recruiting program can be in a great part attributed to the interest and enthusiasm of the Corporation's line recruiters.

This recruiting effort has resulted in 107 college graduates accepting employment at Sandia in the first four months of 1957. Last month there were still 150 job

offers outstanding and personnel representatives estimated that one-third of these offers would be accepted.

Developed in 1951

Under the guidance of Nicholas Vytlacil (3151) and Brian Finley (3151-1) this program has been developed since 1951 into the most

valuable source for hiring staff members.

Both men attribute the effectiveness of this year's program to the interest generated in applicants by line recruiters, the employee attitude found at Sandia by students here for interviews, publicity given the Corporation by technical students working here during the summer, and the increasing number of our people giving campus lectures.

The Sandia advertising program has also been expanded in school publications, technical engineering magazines and newspapers.

Many Recruiters

Mr. Finley noted that as a rule recruiters are alumni of the school being visited and have the ability to reach the engineers.

The recruiters judge if the candidate would make a good Sandia employee then convince them that Sandia is a good place to work.

The recruiters have been at 89 colleges and universities since last fall, only a few more than in the previous year. Although faced with tremendous competition, the greatest success was at Purdue, Illinois Institute of Technology and Ohio State.

Why do graduating engineers choose Sandia? A survey was made in 1956 of students hired. Those questioned had been interviewed by one to 35 other companies. There was no set pattern as to Sandia's place in the salary range. The selling factors turned out to be the Southwest location, challenge of the work and future it offered, association with the Bell System (which appeared to help offset unfamiliarity with Sandia Corporation) and the sincerity of the recruiters.



WASHINGTON OFFICIALS were at Sandia Laboratory recently attending a meeting of the Military Liaison Committee of the Atomic Energy Commission. L to R: Rear Adm. G. S. Patrick, USN; Hon. Herbert B. Loper, MLC Chairman; Maj. Gen. John S. Mills, USAF; and Maj. Gen. Alvin R. Luedicke, USAF, Chief, Armed Forces Special Weapons Project. Also attending the meeting was Col. Berton E. Spivey, Jr., a member of the committee. Col. Spivey was formerly stationed at Sandia Base.

Changes Are Announced in Sandia Department Manager Assignments

A series of organizational changes at the department manager level will become effective June 1.

Robert E. Hepplewhite, formerly supervisor of Full Scale Test Division II, 5232, will become manager of Salton Sea Department, 2480.

T. A. Sprink, who has been manager of Salton Sea Department, will return to Western Electric Company, Albany, N. Y., where he will be area superintendent of the Albany Area of WE's Installation organization.

Mr. Sprink has been assigned to Sandia Corporation since September, 1950. He was first in Albuquerque in Production Engineering. In March, 1951, he took over his duties at Salton Sea and has held that post since then.

J. L. Rowe has been appointed Manager of the newly created Department 1840 at the Livermore Branch of Sandia Corporation and will assume his new duties there soon. He will be in charge of a

variety of service and maintenance functions.

The Plant Maintenance and Services Department 2410 which has been headed by Mr. Rowe will be reorganized as will be the Supply Department 2470.

Department 2410, to be known as Plant Maintenance Department, will be headed by John E. Tillman, formerly manager of Control Department 2110. Included in the department will be Electrical Refrigeration and Air Conditioning Division, Millwright and Machine Service Division, Carpentry and Painting Division, Pipefitting and Plant Operation Division and Grounds Maintenance and Office Machine Repair Division.

J. C. Hart, formerly Labor Relations Manager, 3220, will be Manager of the newly formed Supply and Services Department 2470. This Department will include the Stock Control Division, Stores Division, Motor Pool Division and Janitor Service Division.

The last two divisions were formerly in 2410 and the other divisions reported direct to the superintendent.

ASQC Section Earns Award for Performance

Albuquerque Section of the American Society for Quality Control was awarded a Sadoris Award this week naming it as one of the outstanding sections in the national organization.

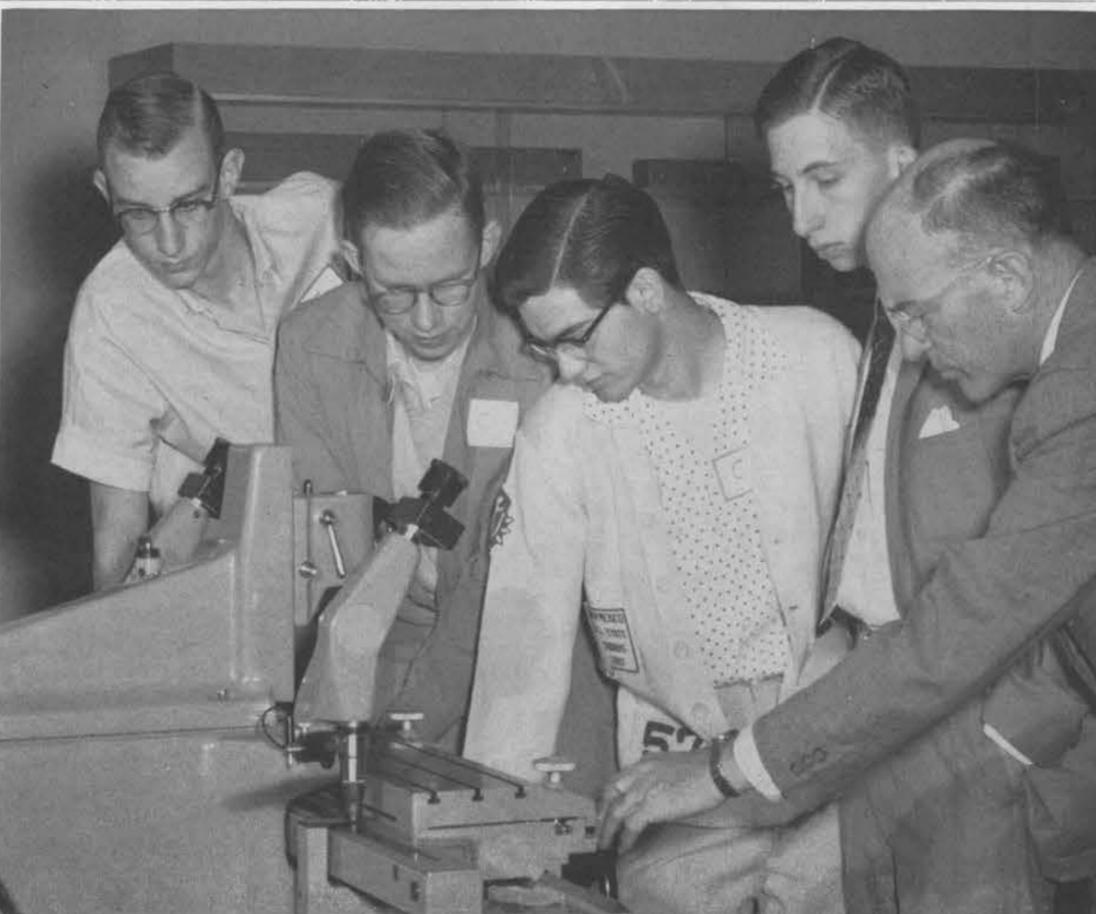
Sections were judged on elements of section management including various aspects of membership, publications, educational programs, speakers and meeting information.

The Albuquerque Section was one of six sections honored out of 94 competing sections. P. H. Bircher (5512) was chairman of the Albuquerque Section for the year's activities.

Open Bids for New Mock-Up Building

Bids are scheduled to be opened June 18 for a new Mock-Up building to replace Temporary Bldg. 809 H. H. Pastorius (2442) reports. Bldg. 809 will be replaced with a 13,500 square ft. high and low bay type steel frame and block building with a craneway. The new building will be similar in construction and use to Bldgs. 808 and 835. Research and Development organizations will use the new building.

Heating, light, power, air conditioning, sprinklers, and alarm and communications systems will be included in the new building. Cost is estimated to range from \$300,000 to \$400,000.



FUTURE SCIENTISTS VISIT SANDIA. Four high school science students, competitors for a \$200 IRE college scholarship award, toured some of Sandia's technical facilities last Saturday. Looking at a Universal Measuring Device in the Meteorology Laboratory are L to R: Royce Fletcher of Artesia,

winner of the scholarship; Neal Weidenhofer and Charles Cuberson, Albuquerque High School, Eddie Stillwell, Tucumcari, and S. C. Hight, Director of Research (5100), who acted as host for the group. Mr. Fletcher, who plans to enter MIT, will work this summer in Industrial Hygiene Division, 3161.

Professors Leave Classrooms To Join Sandia For Summer Months

Faculty members from colleges, universities and local high schools will join Sandia Corporation this summer. Fifteen educators will perform specific assignments in Sandia's technical organizations.

The number includes three regular Corporation consultants and three former summer hires. The consultants and organizations to which assigned are Edward C. Rightley, University of New Mexico, 5140; Eugene Ripberger, University of Texas, 5130; and Ronald W. Shephard, University of California, Berkeley, 5120.

Participating in the summer program for the second time will be Edward Bauer, San Diego State College, 1260; George E. Stoneking, Georgia Institute of Technology, 1620; and Joseph P. Burger, Highland High School, 1620. Other faculty members include

Howard V. Finston, UNM, 3120; Bert W. Lindsay, University of Texas, 5120; Wilbur Ratterree, Iowa State, 1280; Gerald Thompson, Dartmouth, 5120; Robert E. Kyrloch, Highland High School, 2130; Wilbur B. Maxon, Albuquerque High, 3124; Oliver D. Neece, Highland, 1650; and Harold G. Slocum, Valley High, 5240.

F. C. DiLuzio Named Deputy Manager of Albuquerque Operations

Promotion of Frank C. Di Luzio to Deputy Manager of the Atomic

Energy Commission's Albuquerque Operations was announced today by Kenner F. Hertford, ALO Manager.

Mr. Di Luzio will fill the position vacated by the recent retirement of

George P. Kraker. As Deputy to Manager Hertford will share in Albuquerque Operations administrative responsibilities for research, development, testing, production, inspection and quality assurance, and storage of atomic weapons.

Mr. Di Luzio joined the atomic energy program at Los Alamos in March, 1945, and, after progressively more responsible assignments there, became Los Alamos Area Manager in August, 1952. Since January, 1956, he has been Albuquerque Operations Assistant Manager for Manufacturing, and will continue to head the ALO Office of Manufacturing until a successor can be selected.

T. E. Shea Heads New WE Division

T. E. Shea, formerly Vice President and General Manager of Sandia Corporation, has been named Vice President-Engineering of Western Electric Company.

This new organization was started by Western Electric Company due to the expanding importance of research, development and engineering in many fields plus the greater need for contact with outside technical agencies and for coordination of effort with the Bell Telephone Laboratories.



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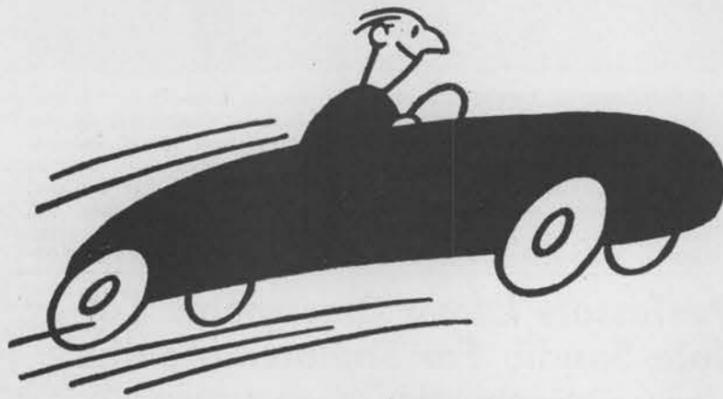
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The Odds: One in Seventy

A new deadly disease has the American people in its grip and there's no miracle drug on hand to stop its toll of human lives.

Unheeded horsepower is the chronic disease of the Age of the Automobile. Its symptoms are many and varied. The heavy foot on the accelerator; the eye fixed in a hypnotic stare; the hand on the horn; the mind idling while the car is in high.

With the vacation period upon us this is not a pleasant time to warn of death on the highways, but there is not a more appropriate time to do so.

Last year fatalities on U. S. highways went up six per cent and injuries went up 10 per cent over 1955's toll. The bad news was: 40,000 killed, 2,368,000 injured.

All the safety devices installed on cars these days can be nullified by any combination of speed plus carelessness, thoughtlessness or lack of judgment by the driver behind the wheel.

Casualty lists on U. S. highways have mounted steadily until in 1956 all records of death and injury were shamefully broken.

Human error is by far the biggest single cause of accidents. Figures show that in 96.4 per cent of the fatal crashes last year the automobile was in good condition. Clear dry weather prevailed in 85 per cent of these instances. Yet in more than 60 per cent of the fatal accidents the law was being broken by the driver of at least one car.

If this year's record equals that of 1956, one in 70 Americans will be a statistic . . . a pain wracked survivor, or a name in the obituary column.

Meteorological Article

The bulletin of the American Meteorological Society recently contained an article by C. E. Buell, consultant for 5120. It was titled, "An Approximate Relation Between the Variability of Wind and the Variability of Pressure or Height in the Atmosphere."

Daughter Honored

Marjorie Endres, daughter of Marjorie (5125) and Carl (1613), has been chosen for Mortar Board, senior women's honorary society, at the University of New Mexico.

Mexico Safari

The high road of adventure has taken Wallace F. Boyes (2462-1) and James Karo (2465) to the jungles of Southern Mexico for a vacation. They are serving as photographers for an expedition exploring some little-known rivers in remote parts of the country.

It's a postman's holiday for the two Sandians — Wally Boyes is supervisor of the Photographic Section and Jim Karo is supervisor of the Motion Picture Division.

Raincoat Reverie

The "day it rained" seemed a good time to ask workers in 7225-5 "Where did you get your raincoat?" The results showed that Albuquerque should be called the City of Sunshine.

Raincoat sources were: Iiva Baldwin, on a Nebraska vacation; Mable Harry, purchased for a football game in Fort Worth; Peggy Hagan, a Canadian vacation; Ruth Cesarz, former home in Milwaukee; Lucille Cuthbertson, former Ohio home.

Tony Gammon, left over from former residence in California; Ernestine Henderson, used in Missouri, former home; Faith Vincent, summer school in Wyoming; Jean Nichols, Colorado vacation; Luvena Trujillo, none (a native); Ruth Way, former home in West Virginia.

Billie Ernest, Margaret Platt and Edith Miller, none (all natives); Ruth McAdams, purchased in downtown Albuquerque during sudden shower in 1954; Rickie Gallegos, Mexico City vacation; and Joanne Wiesch, none (gave hers away when she moved from Ohio).

Sandianotes . . .

20 Blood Donors Remain Anonymous After Responding To Call For Help

Wedding Anniversaries

June is assuredly a month for wedding anniversaries in department 5120.

From June 7-11 three members of that organization will observe anniversaries: Bill Whisler (5126) his fifth; Dale Young (5126) his sixth, and Betty Trump (5120) her seventh.

Wilbur Shaeffer (2531) and his wife Frances (7423) are celebrating their wedding anniversary by taking a second honeymoon trip to Colorado Springs, the same place they went 30 years ago. Things will be a little different this time, because they'll be accompanied by their 17-year-old daughter Joyce.

Travis Bogue (7422) and his wife celebrated their 23rd wedding anniversary on May 2.

Bonifacio Lopez (2711) and his wife celebrated their 11th wedding anniversary on May 21.

On May 7 L. L. Cole (2131) and his wife Allene (5533) observed their 24th wedding anniversary.

Back From Service

Robert E. Jones, Jr., has rejoined organization 1422-1 after a two year tour of Army duty.

His assignments took him to Fort Carson, Colo., for his introduction into military life and then to the Army Chemical Center at Edgewood, Md.

Bob's friends are happy to see him and his family back but Bob says they can't possibly be as happy as he is.

Sandians volunteered in goodly numbers after a request went out over the Corporation public address system in Bldg. 849 for blood donors for Rosemary Morrissey (2710).

Twenty Sandians responded. Rosemary required five transfusions. She was hospitalized two weeks and recently returned to work after three weeks of convalescing at home. The donors have remained anonymous and Rosemary has been unable to thank them.

Get Well Wishes

Organization 2711 extends get well wishes to Edith Irwin, who became ill while on vacation in Indiana, and Walter Paxton, who has been hospitalized in Albuquerque for two weeks.

Wishes for a quick recovery go to Robert Findlay (2230) who was recently hospitalized.

Recuperating from recent surgery is Art Costillo (4135).

A speedy recovery is expressed to Dorothy Bair (4131-4), who has been ill with bronchial pneumonia.

More get well wishes go to D. B. Sparger (2234-1) and Oscar Thompson (2234-1).

Also hospitalized for the past few weeks has been Gene Schroeder (1452).

Service Recognized

A certificate from Veterans Hospital has been awarded Dorothy Evans (2711) in recognition for 300 hours of volunteer work.



MEXICO, CALIFORNIA, Colorado? "Where will the family take its vacation this year," wonders Linda Richardson, daughter of Norm Richardson (5213). The family Cocker, Bonnie, growls, "Wherever it is I hope they leave me at home!"

Weddings and Engagements

Billy Easter (5524) has set June 23 as the date for her marriage to Robert Burnett (1471-2). The ceremony will be held at the Heights Baptist Church.

After a honeymoon the couple will be at home at 319-A Cornell, SE.



Miss Adams Miss Easter

Another June bride is Frances Adams who will marry Staff Sgt. Robert F. Morrison of Manzano Base during a ceremony at the Central Methodist Church Saturday at 8:30 p. m.

Frances has worked in organization 2333-3 since last October. Her father, Jack Miller, is also a Corporation employee (1421).

Congratulations

Born to:

Mr. and Mrs. R. E. Arvidson (5521-2) a son on May 14.

Mr. and Mrs. J. M. Winter (2418-1) a daughter, Janet Lynn, on May 10.

Mr. and Mrs. Wilfred A. Otero (2461-2) a son, Alfred Phillip, on May 4.

Mr. and Mrs. Robert J. Tockey (1822-1 at Livermore) a son, Charles Jay, on May 16.

Mr. and Mrs. John Chavez (2234) a daughter, Josephine, on May 9.

Mr. and Mrs. Wayne Davis (5120) a daughter, Cheryl Sue, on May 25.

Sympathy

To William M. O'Neill (5530) for the death of his father in Albuquerque on May 20.

To Lillian Bowers (4131) for the death of her brother-in-law in Missouri on May 22.

To Bonnie Lyke (5513-3) for the death of her husband in Albuquerque on May 14.



BIRDWATCHER—Employees of Bldg. 887 keep a guardian "eagle eye" on the nest of two sparrows who have made their home in a small blue spruce in the front of the building. Evelyn Clark (3152), a visitor from Personnel, had permission to examine the nest.

New Homes

Howard Seiberman (7123-1) and his family will soon move into a new home at 1835 Childers Dr. NE.

J. H. Findlay (1450) and his family are just getting settled in their new residence at 705 Loma Linda, SE.

Ready for gardening work is R. K. Peterson (1261-1) who just moved into a new home at 9508 Arvada, NE, with his family.

It hasn't taken Phillip L. Class (1261-2) long to get settled in Albuquerque. He came here in April from Columbus, O., and has purchased a home at 9615 McKnight, NE.

Mr. and Mrs. Robert W. Galbraith (2131) have moved into their new home at 9511 McKnight NE.

Vacation Accident

A Mississippi vacation came abruptly to an end for L. E. Foster (2543-1) and his wife when they were involved in a car accident in Meridian. Mrs. Foster sustained a leg injury and was in a Meridian hospital for five days. The couple has now returned to Albuquerque.

Attend ASTE Conference

Paul L. Stewart (2553) and Leonard J. Nelson (2711) recently participated in the planning session of future programs at the Rocky Mountain Regional Conference of the American Society of Tool Engineers in Flagstaff, Ariz. Mr. Stewart is president of the Albuquerque Chapter of ASTE and Mr. Nelson is program chairman.



SURROUNDED BY WOMEN is J. E. Tillman, manager of Control Department 2110, who is transferring to another organization. The women in his group decided to make parting more pleasant with a special luncheon at the Coronado Club. Three ex-employees also attended the affair.

Sandianotes . . .

Sandian On TV Program Honoring Her Famous Father Lee DeForest

Welcome Back

Back on the job are Carter Gibbs (7424), who was ill three weeks, and Ellen Jones (7423), who has returned after a month's illness.

Welcome back to Art Engquist (1451) who has been ill for the past few months.

Twister Tale

A visit to the Bendix Kansas City plant last week proved a harrowing experience for several Sandians. While there a tornado ravished an area a mile south of the plant. Phone service was discontinued and the lights went off leaving the men literally in the dark for a couple of hours.

The adventurers: Vic Roh (1262-1), Harry Olson (2531), Ray Henderson (2532) and Cecil Sonnier (1243).

Twister Dodgers

Don Emerick (7122-1) and his family hit it lucky on their vacation trip back from Indiana. They were followed all the way by rain and tornado warnings but nary a raindrop.

Need Exercise?

Women employees at Sandia, who don't get enough exercise from gardening or housekeeping are invited to join the "funastics" group at the YWCA.

The course, given every Tuesday from 8 to 9 p.m., includes calisthenics to music, badminton and volleyball. For details call the "Y" at Alb. 7-8641.

Parman Elected

The Albuquerque chapter of the Society of Technical Writers has elected Lee F. Parman (7223) to be president for the coming year.

Other new officers are: Justin J. Heineman (7123), vice president; Angelo "Mike" DiBella (7123), secretary, and William H. Puder (7223), treasurer.

Singers Compete

The Lads of Enchantment will travel to Los Angeles in June to compete with 39 other regional winners in the International Barbershop Quartet Singing Contest.

The "Lads" include Don Pitts (2542), Dan Aycock (2461-1), Gil Wallace (2552) and Carl Wright of Albuquerque. In May they won the regional singing crown in Enid, Okla.

Little Theatre Players

The recent Albuquerque Little Theatre production of "Witness for the Prosecution" featured Elwood Ingledue (1411) as prosecuting attorney and Francis Scott, a retired Corporation employee, as the judge.

Square Dancers Elect

Sandians have made a clean sweep of top offices of the central district of the New Mexico Square Dancing Association.

Cleo Hughes (7311-1) was elected president, Arlene Armbruster (7121) is the new secretary, and Walter Eden (2411-1) will serve as vice president.

Housewarming

Friends and fellow workers of Berta Vencill (5513-3) surprised her with a housewarming at her new home at 2715 Santa Clara, SE, on May 10. A handsome occasional chair was presented to the Vencill's, who are enjoying their very first "home."

Seek Gun Fans

Attention gun collectors and shooters! Attempts are being made to organize a "New Mexico Gun Collectors Association." Sandia enthusiasts have already held two meetings to discuss such a venture, now more interested persons are needed. Contact Dick Zaluga (1461), ext. 49154 for further information.

Marilyn Culver (2713) appeared on Ralph Edwards "This is Your Life" TV program on May 22 which featured her famous father, Dr. Lee DeForest, known as the "Father of Radio" due to his pioneer development in wireless telegraphy.

Dr. DeForest has patented in the United States and other countries more than 300 inventions including the three-electrode (radio) tube. In addition to wireless telegraphy, his other inventions have been in the fields of radio telephone, wire telephone, sound-on film talking pictures, high speed facsimile and picture transmission and television.

He was the first to broadcast the voice of Caruso by radio in 1910 and six years later sent out on soundwaves the first radio news and entertainment program.

Marilyn was contacted by the TV program representatives a week before the broadcast and was flown to California to be introduced on the show along with other members of DeForest's family and his associates.

She has been at Sandia since February, 1956.

Dept. of Commerce Reprints Papers of Two Sandia Employees

Research Reports by D. B. Owen (5125) and a Technical Memorandum by J. M. Wiesen (5125) originally published for Sandia Corporation and Military distribution have been reprinted by the Office of Technical Services, Department of Commerce. The papers are available to the general public through that office.

Mr. Owen's articles are entitled "The Bivariate Normal Probability Distribution" and "Tables of the Normal Probability Integral." "Extension of Existing Tables of Attributes Sampling Plans" is the subject of Mr. Wiesen's paper.



SATISFACTORY COMPLETION of 100 hours of instruction in Sandia's Evening School is represented by this certificate being presented Vernon Gilbert (right) by R. J. Dill, manager of Department 2730. Since last October when Vernon came to Sandia he has completed a Review of Geometry and Trigonometry, Blueprint Reading and Radar Theory. He is also enrolled in two classes at the present time. Vernon is an electronic technician in 2723-4.

Club Members to Elect Directors at June 10 Meeting

Coronado Club Treasurer Haddon Redding (4113) will report the financial status of the Club at the annual meeting Monday, June 10. Club members will also elect new members of the Board of Directors and hear reports of Club activities of the past year. The meeting will be held at 7:45 p. m. A free lunch and refreshments will be served to active members attending.

Eight new members of the Board of Directors will be elected. Candidates proposed by the nominating committee are Mrs. Martha E. Whitford (7225), E. R. Clark (5512), Gail Ward (2463), Hirschel Martin (AEC), A. C. Taylor (2135), R. E. Thompson (4111), A. C. Ellingson (1442) and C. J. Northrup (5213). Other nominations may be made from the floor.

William Jobe (2411) and Frank Abbott (AEC), currently members of the Board, have an additional year to serve.

Service Awards

Ten Year Pins



Joseph B. Langdon 2121 June 9, 1947 Kenneth W. Seaver 4150 June 2, 1947



R. E. Sumner, Jr. 2731 June 2, 1947 Robert D. Becker 2153 June 9, 1947



Donald P. Saunders 2463 June 6, 1947 Aubrey H. Perry 2462 June 9, 1947

Five Year Pins

June 1-6 Neal A. Branson 2553, Clinton H. Purdue 1421, F. B. Philipp 7210, Floyd L. McFarling 2533, M. A. Kuliasha 2441, A. D. Thornbrough 5233, Leo Arellano 4151, Donald B. Webb 5254.

John Erni 2153, Gerhard Horn 2151, David F. Lange 1282, Harold L. Pike 5221, Robert J. Guerin 7221, Robert C. Breslin 5522, Hunter P. Hanna 4122, Pasqual A. Didomenico 4135, Faye G. Dobbs 7225, Manie G. Daniel 2464, Lucile K. Blake 4135, Walter L. Shoemaker, Jr. 1454, Pierce L. Brown 1217, Guy J. Wilson 7314, Clarence P. Canady 2711, Geraldine M. Jungmeyer 7225, and Colfita H. Aragon 2221.

June 7-13 Warren E. Taylor 5131, Robert L. Peurifoy, Jr. 1245, Joe W. Wistor 5232, John W. Tanner 7232, Herbert S. Wallis 7131, Robert Chappell 2153, John Bashaw 2481, Warren V. Elrod 1411, Robert E. Jones, Jr. 1422.

Harold L. Myers 1613, Ben Petterson, Jr. 5223, John R. Sundberg 7113, Edna J. Bierner 4131, Alfred E. Winblad 1473, Johnnie E. Johnson 7225, Robert E. Dunlap 1415, James D. Manweiler 1246.

William R. Barton 5144, Olivia V. Geffe 2720, Russell K. Leahy 2352, Arlene Armbruster 7121, Nicanor Gonzales 2417, Theo J. Chauveau 2541, Wallace C. Nott 4135, Elio Cultreri 3211, and Arthur R. Engquist 1451.

Two Year Certificates

June 1-6 Joseph R. Chouinard 1413, William W. Chapin 2552, Robert B. Parks 4113, Gordon B. Ross 3122, Frank K. Gordon 2544, Maxine W. Laidlaw 7225.

Richard L. Chapman 4152, Corliss A. Fenimore 2324, Ann E. Culley 2323, Thornton Blanchard, Jr. 5141, Joseph Danclovic 3152, William D. Ulrich, Jr. 1216, Ardron L. Amato 2114, and Norman C. Colclough 7412.

June 7-13 Eldon M. Pratt 2463, Jack A. Barber 1611, Norma J. Sechler 7411, Leslie A. Shope 1455, Kenneth F. Crowder 5140, Gordon W. McClure 5133.

Lynn M. Barker 1261, Walter E. Kappus 1422, Walter S. Connolly 5222, Richard Czerter 2531, Donald E. Cole 7313, Esther Deffenbaugh 4152, and Abram C. Grose 2234.

Election Officials Must Pick Up Checks

Several checks are being held at the County Clerk's Office for people who served as judges and clerks at the special congressional election last month. The checks are not mailed out, but must be picked up in person.

Supervisory Appointments

ROBERT E. HEPPLEWHITE to manager of Salton Sea Department 2480.



Bob has been in Sandia field test organizations since May, 1947, including one year at Salton Sea Test Base as supervisor of Field Operations Division 1214. He has recently been supervisor of Full-Scale Test Division II, 5232.

Bob participated in Operation Redwing in the Pacific in 1956 and in Operations Ranger, Upshot, Knothole and Teapot, all in Nevada.

His prior employment included one year with TWA in Albuquerque.

During World War II he served four years in the Army Air Corps as a bombardier.

He studied engineering two years at the University of Colorado and a similar period at Colorado A&M.

JACK W. REYNOLDS to Assistant Buyer 2315-2, Sandia Application and Apparatus Subcontracting.



Jack has been with the Corporation nearly five and one-half years. His first two years were in the Cost Division (4152), then he transferred to Nomenclature Division (7424). After a year there Jack worked a similar period as a tech writer. Recently he has been a TDSR for Electronic Research Department.

He holds a Bachelor's degree in Business Administration from the University of New Mexico and is a member of Beta Alpha, accounting honorary, and Alpha Kappa Psi, business honorary.

During World War II Jack served three years in the Navy as a communications officer in the Pacific theater.

EARL H. WILSON to supervisor of Staff Training and Education Section, 3123-2, Employee Services, Training and Public Relations Department.



During Earl's year at Sandia he has been doing placement work in 3152-2.

He had been with Montana State College at Bozeman since 1947 and was placement director at the time he resigned to come to Albuquerque.

Earl holds a Bachelor's degree in Psychology from the University of Wisconsin and a Master's degree in the same field from State College of Washington.

He was in the Army infantry for two years during World War II, including service in the European Theater.

Andres Romero Dies After Long Illness

A Corporation employee, Andres Romero, died May 17 after a lengthy illness.

Mr. Romero was 46 at the time of his death and had been employed at Sandia since March 7, 1949. He was a tool-keeper in 2112, but had been on sick leave since Nov. 26, 1956.

Funeral services were held in Albuquerque with burial in Sunset Memorial Park.

Survivors include his widow, six sons and a daughter—all living at home.



Dick Hodges, Bill Laskar and Elliot Harris -Recognition in separate fields of endeavor-

Sandians In Photo Section Honored In Varied Fields Of Competition

Receiving recognition in separate fields of endeavor recently were Dick Hodges, Bill Laskar and Elliot "Tiny" Harris of Sandia Corporation's Photo Section 2562-1.

Dick Hodges was presented a Distinguished Print Award by the Photographer's Association of New Mexico for his color photograph entitled "Mechanical Hands." The photo was one of ten honored out of 400 entries. Dick's photo was an unclassified subject snapped as part of a regular technical photography assignment for the Corporation.

Bill Laskar's turquoise-blue MG sports car, painstakingly rebuilt and refinished in his home workshop, earned him a second place in the "Concours d' Elegance" exhibit of the New Mexico AAA Motor Club recently. The event was a sports car beauty contest.

Elliot Harris received one of 19 Awards of Merit issued by the International 20-30 Club organization for his contributions as president of the Albuquerque Thunderbird 20-30 club. Tiny has been president of the club since January.



OPEN TOP design of Sandia Corporation's hot cell in Bldg. 860 is shown in this photo. John Colp operates the Master-Slave Manipulator as LaVerne Zipprich records data from instruments.

Man Handles 'Hot' Materials To Study Molecular Changes

A sign proclaims, "Danger—Radioactivity."

The operator peers intently through a small glass window into a well lighted room. His hands grasp intricate controls connected to long metal booms extending into the room beyond. He performs quick, deft movements that are duplicated exactly by two "hands" on the other side of the glass.

The metal fingers pick up small pieces of wire and plastic on a table in front of the window and place the objects carefully in neat order. Cards numbered with radiation exposure rate and time accompany each object.

Another man is taking readings from a battery of delicate recording instruments that tell the degree of radiation exposure of the objects and the extent to which the objects retain radioactivity.

The operator, Jim Sisler, and his co-worker, LaVerne Zipprich, are conducting tests in Sandia Corporation's "hot cell" of engineering properties of materials that have been subjected to radiation.

Master-Slave Manipulators

The metal hands and boom extensions are called Model 4 Master-Slave Manipulators, developed by the Argonne National Laboratories to perform remote handling operations of "hot" (radioactive) material.

Jim and "Zip" are members of the Radiation Effects Section (1626-1) headed by John L. Colp who works closely with William Snyder, Supervisor of the Radiation Special Studies Section (1626-3).

The two sections are conducting the newest phase of Materials and Standards Engineering (1600) organization's extensive environmental testing program—compiling information on engineering properties of irradiated materials.

The tests performed at Sandia Corporation are tabulated and summarized in a classified publication entitled "Radiation Effects Handbook." Currently the handbook has a small distribution within the Corporation and to other AEC contractors. However, it is anticipated that articles on radiation effects on materials of interest to industry will be published in appropriate periodicals or journals.

"If a designer is working on a device that could conceivably be subjected to a radiation environment in an operational situation, then he has a guide for his choice

of materials either in the handbook or the published article," John explains.

New Field

Radiation effects studies are a new field, less than one hundred laboratories in the United States are currently engaged in this type of research.

The present hot cell was built about four months ago to launch the Corporation's radiation effects studies and to serve as a model for future installations. The cell measures 6 by 12 feet. It is constructed of solid concrete blocks 32 inches thick.

The window is of high-density lead glass of 12-inch thickness. Inside, the walls are painted with "strippable" paint which is easily removed after contamination. There is no ceiling to the cell and no doors. Entrance is by ladder over the walls.

Radiation "Scatter"

This open ceiling allows some "scatter" of gamma rays but the radiation is carefully checked and controlled. The radiation level of the hot material is never high enough to produce any dangerous radiation exposure to persons in the vicinity of the cell.

All radiation exposure to personnel is supervised by the Industrial Hygiene Division (3161) headed by W. R. Kingsley.

The materials to be tested in the hot cell are exposed to radiation in reactors at such locations as the Air Force operated reactor at Fort Worth, Tex., Materials Test Reactor at Idaho Falls, Idaho and the Omega West reactor at Los Alamos Scientific Laboratory.

The irradiated materials are shipped to Sandia in lead-shielded containers.

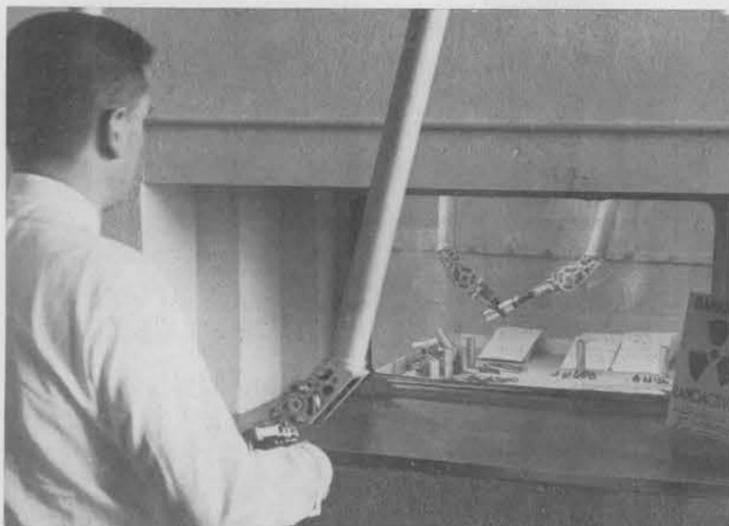
"Length and intensity of radiation exposure determines molecular changes in all materials," John says. "For instance, radiation exposure close to the heart of an atomic blast would be at ultimate intensity, but duration would be brief. This would have a completely different effect than the same degree of intensity built up over a long period of time. Innumerable factors such as these are the prime concern of our work."

Information For Handbook

"Many examples could be given," he continues, "oils and lubricants lose their viscosity, some metals become extremely brittle, certain types of plastics crumble while other materials retain a major portion of their original engineering characteristics plus new and desirable characteristics." This information will eventually be compiled for the Radiation Effects Handbook and for further publication.

The work of the two sections is performed by diverse talents. John Colp is a mechanical engineer, Bill Snyder is a physicist, Jim Sisler is also a physicist and LaVerne Zipprich is an electrical engineer. The sections have one other physicist, two other mechanical and electrical engineers, three chemical engineers and three electronic technicians plus administrative and secretarial personnel.

All have learned to work near the "Danger—Radioactivity" sign as they perform their job "on the frontiers of knowledge."



EVERY MOVE, every motion and pressure of the operator's hands is reproduced exactly inside Sandia Corporation's "hot cell" by these Master-Slave Manipulators. The operator is Jim Sisler.

UNM To Award Eight Sandia Employees Degrees June 5

Commencement exercises at the University of New Mexico next Wednesday will find numerous Sandia Corporation employees receiving college degrees.

Clarence E. Long (7223) will receive his PhD in English. He already holds a Master's degree in English and a Bachelor's degree in Humanities from Boston College. "Ed" has been employed at Sandia since last August.

Roger R. Armstrong (7412-4) will be awarded a Master's degree in Fine Arts. His wife will receive an identical degree at the same time. Both obtained their Bachelor's degrees in Education at Miami University, Oxford, O. Roger has been at the Corporation four months.

Holt Gay (1282) will obtain a Master's degree in Mechanical Engineering. He previously obtained a BS degree at UNM in 1950. Holt has worked for the Corporation five years.

R. H. Gablehouse (5223-1) will receive his Master's degree in Electrical Engineering. His Bachelor's degree was from the University of Colorado. For five years he has been with Sandia.

Alphonse R. Iacoletti (5242) will be awarded his Master's degree in Mathematics, with a minor in Physics. He obtained his BS at UNM in 1954 and was employed by the Corporation the following August.

E. K. Montoya (5243) will be handed his Bachelor's in Mathematics. He has also attended the Milwaukee School of Engineering and has been at Sandia four and one-half years.

William K. McKim (1611) will be given a BS in Mechanical Engineering. He also has studied at New Mexico A&M. Bill has worked for the Corporation six years.

Charles Batsel (2321) will complete his studies in Business Administration and be awarded a Bachelor's degree. Previously he attended Wayland Junior College and Baylor University. He has been at Sandia four months.

Frank A. Ross (2551-1) is acquiring a BS degree in Electrical Engineering from Oklahoma State University (Oklahoma A&M) in Stillwater, Okla. Frank was hired by the Corporation in March this year.



Clarence E. Long
—Receives PhD in English—

Employees May Buy Travelers Cheques At Reduced Rates

Travelers Cheques are again available to Corporation employees at special low rates for vacation trips through the Financial Division 6021. Cheques may be purchased at the teller's window in Bldg. 809.

The service charge to employees is one-third of one per cent of the face value of the Cheques, 33 cents for \$100. Cheques are available in denominations of \$20, \$50 and \$100.

Employees may exchange their pay checks or vacation advance checks for Travelers Cheques. Personal checks will also be cashed for purchase of Cheques provided the following approvals are obtained: up to \$100, division supervisor; \$100 to \$300, department manager; \$300 to \$500, superintendent; \$500 to \$1,000, general organization head.

To arrange a convenient time to purchase Travelers Cheques employees should call the teller in advance on ext. 32147.

Fire Destroys Building At Tonopah, Nev., Range

Fire of unknown origin last week destroyed the generator building at the Tonopah Ballistic Range operated by Sandia Corporation in Nevada.

Destroyed was the 20x30 foot Butler building and its contents, including a 200 kw generator. This generator was not operating at the time, power being supplied by a 40 kw generator outside the building.

The Tonopah fire department was called, but due to the distance of the range from town did not arrive in time to save the building.

Civilians on Base Expected to Observe Courtesy to Colors

Sandia Base military officials are reminding civilians working on Sandia Base of the courtesies expected of them at the sounding of reveille and retreat.

All vehicular traffic on the Base should come to a stop. Occupants of all vehicles other than buses or trucks get out of the automobiles, face toward the flag, or the music if the flag is not visible, and stand at attention. If a man is wearing a hat he should remove it with his right hand and hold it over his left breast until the music ends.

Passengers on buses or trucks remain in their seats.

Pedestrians and persons engaged in outdoor activity should face the flag at the first note of music and stand at attention.

The above practices are in courtesy to the colors and are observed on all U.S. military bases.

Welcome Newcomers

May 13-24

Albuquerque		
Geraldine M. Adams	3153	
Ruth S. Andrews	7226	
James R. Barcus	1626	
Ruth H. Bauer	7225	
M. Jeanne Brown	7225	
Joe A. Chavez	2721	
Loretta M. Dahl	2543	
Eddis J. Fidel	6021	
Virginia E. Gibson	2225	
Armonia A. Gonzalez	7225	
Doris J. Guernsey	2351	
Robert D. Hole	2223	
Richard E. Howell	1243	
Verona M. Lauxman	7226	
Eulogia H. Lopez	2471	
Georgia A. Lucero	7412	
Frank J. Mistretta	1473	
Inez M. Maes	4135	
Virginia L. Mansker	2723	
D. Eva Monson	2325	
Patrick W. Palmer	2419	
Roy Palmer	2419	
Joan F. Pappas	3162	
Walter Powdrell	2419	
Dominic W. Russell	7232	
Dorothy C. Schmid	3162	
Lowell E. Stephenson	2731	
Thelma F. Strepper	3162	
California		
Ira T. Holt, Lomita	5144	
John G. Ravazzini, Jr., Livermore	1831	
Idaho		
Thomas C. Corpe, Arco	1472	
Illinois		
Betty E. Behrends, Pekin	7226	
Maurice E. Gilmer, Chicago	1411	
Lewis P. Wilson, Edwardsville	1621	
Maryland		
James L. Lowell, Hyattsville	1411	
Michigan		
Jerry Y. Kostka, South Haven	7411	
Williard E. Pequignot, Sterling	7411	
New Mexico		
Lloyd I. Burright, Santa Fe	2414	
Ohio		
Daris M. Fuller, Dayton	7226	
John Pas, Dayton	1611	
Joseph E. Taylor, Cincinnati	1291	
Texas		
Edwin T. MacKenzie, Dallas	2711	

AWS Elects

Among the officers recently elected by the American Welding Society are Vince G. Nelson (1621), secretary, Olav Nerhus (1281), technical secretary, and Ralph Holloway (1461), member-at-large. The Society has no meetings scheduled for the summer months.



CHAMPS of the Sandia Base Major Bowling League pose in a victory formation. The team won a total of 84 games to earn their championship. Team captain Jack Redburn (2711) holds the bowling ball. In the next row are Henry Sellers (2153-2) and Willard Rappleyea (2152-1). In the top row are Henry Stemporzewski (AEC), Cliff Fawver (7422) and Lloyd Lincoln (2111).

3100 Team Still Undefeated In Softball League

Team 3100 remains the only unbeaten team in the Sandia Employees Softball Association after the third week of play. Game schedules so far have been upset by erratic weather. Team 3100 has won five games. Team 2200 was also unbeaten until Monday night when it went down to 1200 with a heart breaking score of 10-9.

Defeated by 3100 have been teams 4100, 10-2; 2700, 20-11; 5100, 37-11, and 2400-II, 7-0. Last year's softball champs, 2500, went down to 3100, 24-8.

Meanwhile 2200 was making its record with wins over 2400-I, 14-7; 1400, 18-7; 1600, 9-4; and 2300, 24-16.

STANDINGS

Team	Won	Lost
3100	5	0
2200	4	1
2500	4	1
5200-I	4	1
1400	3	1
2100	3	1
AEC	2	1
7200	2	1
5500	2	1
4100	2	3
5100	2	3
2300	2	3
7400	1	2
1200	2	3
1600	1	3
5200-II	1	3
2700	1	4
2400-I	0	4
2400-II	0	4



Ray Drury (1453-1) —safety glasses and a narrow escape—

Molten Chemical Sprays Face But Eyes Not Injured

A loud blast in Bldg. 880 recently gave everyone in Rm. 32 a jolt and for Ray Drury (1453-1) it was a narrow escape. Thanks to safety glasses, and his habit of wearing them, Ray was uninjured. A short circuit in a condenser bank had overheated one of the condensers which exploded, spraying liquid electrolyte around Ray's workbench area.

The electrolyte, a chemical used in certain types of condensers, sprayed out of its cell in a fine mist estimated at a temperature of 900 degrees Fahrenheit. The liquid chemical caused only microscopic burns on Ray's face but had it reached the sensitive surface of his eyes painful injury could have resulted.

Ray, technical staff assistant in Timing Systems Advanced Development Division (1453), always wears his safety glasses on the job. "You never know when the unexpected will happen," he says, "and it's much better to be prepared."

Abbott, Hancock Win AEC Golf Tourney Honors

Frank Abbott and W. Lee Hancock took top honors in the AEC-ALO spring golf tournament played recently on the University of New Mexico golf course.

Abbott chalked up a low medal score of 83. Hancock netted 70 for low score with a handicap of 18. He also made the most spectacular shot of the day by holing out a five shot for a deuce on the fifth hole.

Other prize winners were Jack

Burke, longest drive; Lin Cotton, closest to cup on par 3 hole; Don Dutton, high bogie; and Chuck Flanner and Bud Urton, low bogies.

Coronado Club Pool Open Evenings For Trial Period Starting June 15

Evening hours for the Coronado Club twin swimming pools on a trial basis will go into effect June 15 through June 30, according to W. M. Jobe (2411), Board of Director member in charge of recreation.

The pools will be opened for adults each evening during the trial period from 7 to 9 p.m. Regular hours for the pools, which opened yesterday, are from 10 a.m. to 6:30 p.m. These will remain in effect throughout the season.

"If the evening trial is successful and enough attendance is shown," Mr. Jobe said, "the additional hours might be extended for the balance of the season."

An additional admission fee will be charged for the evening ses-

sions. Members with regular monthly or season swimming tickets will pay 30 cents per swim. Members not holding a swimming card will pay 80 cents. Children under 18 years of age will not be admitted for evening swimming.

A season ticket for club members costs \$4.20, for children of club members the cost is \$1.80 for the season. On a monthly basis, members pay \$2.10 and children 90 cents. All prices include federal tax.

Adult guest admission fee is \$1.10 daily, guest children admission is 35 cents weekdays and 50 cents on week ends and holidays. Children under six are admitted free. The child rate applies to those 6 to 18 years of age.

Tickets may be purchased at the pool office.



JUNIOR BOWLERS have been spilling the maples every Saturday morning at the Coronado Club under the guidance of Mamie Burg (AEC-ALO). The Bantams (youngsters under 12 years) and Junior Boys won first place in the recent state competition. Many Sandia youngsters are included in the bowlers, who are: (1 to r, back row) Mike Browne, Ted Swanson, Ken Lloyd, Ted Jorgenson,

Gene Wilson, Jim Taylor and Frank Emig. (middle row) Dennis Gaynor, Jim Swanson, Jerry Pipher, David Lloyd, Jim Heilman, Don Thompson, Gordon Jorgenson, Alan Tuffnell, Jay Clark and Larry Gruer. (front) Janet Pipher, Diana Taylor, Coach Mamie Burg, Bonnie Bodene, Regie Reese, Barbara Burley and Peg Marshal. Mamie has helped the boys and girls for two bowling seasons.

SHOPPING CENTER	SHOPPING CENTER	SHOPPING CENTER	SHOPPING CENTER	SHOPPING CENTER
<p>CLASSIFIED ADVERTISING</p> <p>Deadline: Friday noon prior to week of publication.</p> <p>RULES</p> <ol style="list-style-type: none"> 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. <p>Next Deadline: Noon, June 7</p> <p>FOR SALE</p> <p>35mm CAMERAS, Leica II with F/2.0 Summar lens and case, \$175; German Praktiflex (single lens reflex), F/2.8 Zeiss Tessar lens, \$100. Shew, Alb. 6-4210.</p> <p>2 CABINET BASES, white, 36 inches high, 24x42 inches, \$11; 36 inches high, 22x27 inches, \$8. Carpenter, Alb. 9-4312.</p> <p>2 BR. HOME, near bases. Total price \$5000, \$750 down, \$65 month or assume FHA contract, \$1000 for equity. Chavez, Alb. 2-1791.</p> <p>AUTOMATIC WASHER, Bendix, \$50. Trump, Alb. 8-2146.</p> <p>'51 DE SOTO, club-coupe, \$350; Revere Ware; bunk beds, \$10 and take over payments; Simmons Hida-bed, \$75; 9x12 rug, \$25. Bush, Ext. 35275 after 5:30 p.m.</p> <p>HEATER, gas or butane, 22,500 B.T.U.; apartment size electric washer; auto evaporative cooler. Kross, Alb. 6-0223 after 5 p.m.</p> <p>FOLDING STROLLER, Taylortot. Corney, Alb. 5-1490.</p>	<p>HARLEY-DAVIDSON 3-wheel motorcycle, 1948, \$200. Brown, Alb. 5-0566 evenings.</p> <p>PORTABLE COOLER, Travel-Aire, use in car or home. Used one month, \$40. Johns, Ext. 24296, 3024 32nd Place, Sandia Base.</p> <p>COCKER SPANIEL puppy, black and white, litter registered with American Kennel Club, \$25. Ryan, Alb. 9-3318 after 5 p.m. weekdays and all day Saturday and Sunday.</p> <p>THOR IRONER, \$35; matching coffee table and occasional table, \$25. Gillespie, Alb. 9-4480 after 5 p.m.</p> <p>MALE BEAGLE, 8 months old, beautifully marked, shots, must sell, moving, make offer; couch and matching chair w/covers, \$35. Pilat, Alb. 6-9376.</p> <p>SIAMESE KITTENS, 8 weeks old, very fine kennel bred males, \$15 each. Freyer-muth, Alb. 9-2053.</p> <p>REFRIGERATOR, Crosley Shelvador, 11 cu. ft., 70 lb. across the top freezer. Means, Ext. 5-2283.</p> <p>BEAGLE HOUNDS, AKC registered, males \$30, female \$25. Cole, Ext. 31160. May be seen at 645 San Pablo SE.</p> <p>'51 1/2-ton Chevrolet w/camphouse, \$450; 7 1/2 hp Martin motor, 14 ft. boat and trailer, \$225. Berlier, RFD No. 1, Box 312, Belen, N.M.</p> <p>2-WHEEL TRAILER, metal frame, \$25; pair complete set of Childcraft, \$20; plus overload springs, \$5. Grotberg, Alb. 9-1704.</p> <p>BABY BED, 6-year size, \$15. Willson, Alb. 6-7694.</p> <p>OSCILLATING FAN, 16" G.E., \$40; Westinghouse 16" oscillating fan, \$35. Herman, Alb. 8-0158.</p> <p>REMINGTON 721, 30-06 w/Weaver K4 scope, spring, recoil pad, \$130; Smith & Wesson .38 Military model, rebled plus new stag type grips, \$30. Howard, Alb. 9-2240.</p> <p>OSCILLOSCOPE w/two replacement CRT's, Heathkit Model 02; moving, must go, best offer accepted. Oltman, Alb. 9-2155.</p>	<p>BOAT, '56 Crestliner 14' aluminum with steering wheel, controls; Evinrude 10 hp motor; trailer w/winch, cover; air-conditioner, '55 Carrier, 1/2 ton window-type. Galbraith, Alb. 9-6554.</p> <p>4 GELDINGS, gentle, \$100 to \$150; Western saddles, \$50 each. Redlinger, Ext. 35152, 32 miles from Base, 3-R Ranch.</p> <p>MATCHING DIVAN and chair, Kroehler, dark green leatherette, \$50. Roper, Alb. 4-2938.</p> <p>'56 SCOOTER, Allstate Cruisair, 3-speed, buddy seat, windshield, speedometer, stop light, good tires. Gustafson, Alb. 9-3270, 7702 Don Drive NE.</p> <p>UPRIGHT FREEZER, Maytag, 19 cu. ft., 1 year old, \$395, or take over payments, \$25.89 mo. Heimer, Alb. 9-4501.</p> <p>'33 FORD, 5-window coupe, rebuilt '36 engine, installed 2 years ago, 6 tires w/spare, \$150 or best offer. Doughty, Alb. 5-8914 after 5 p.m.</p> <p>'50 PONTIAC Catalina, hydramatic, R&H, two-tone yellow and white, WW tires, R/H. Whitman, Alb. 9-0563, 1828 Blume NE.</p> <p>UPRIGHT FREEZER, Maytag, 15 cu. ft., take over payment of \$21 mo. Buyer may have \$336 equity at no cost. Peterson, Alb. 9-2641, 1223 Dorothy NE.</p> <p>AUTOMATIC WASHER, Hotpoint Deluxe, 1 year old, used 3 months, \$150. Cejka, Alb. 9-2441.</p> <p>M/W GAS RANGE, \$75 or trade for modern bland console radio-phonos; Airway Sanitizer vacuum, \$15. Aaron, Alb. 3-4684.</p> <p>PRESS CAMERA, 2 1/4x3 1/4 Busch, F 4.5 lens, five cut film holders, two film pack adapters, flashgun. Morison, Alb. 9-5698.</p> <p>SIAMESE KITTENS, 3 purebred seal point kittens still available, males \$15, females \$10. Davis, Alb. 5-1824.</p> <p>ELECTRIC GUITAR w/amplifier, Les Paul & Mary Ford Junior, \$100 or best offer. Pettit, Alb. 8-0532.</p> <p>AIR CONDITIONER, 3/4 ton, 110-115 volts, used 1 year; '35 Ford pick-up truck, 1/2 ton. Eaton, Alb. 8-1107.</p>	<p>CAMERA, Voigtlander "Vitessa," Ultron F2 lens, coupled rangefinder, filters, best offer buys all. Tschoeche, Alb. 2-0405 after 5 p.m.</p> <p>CEMENT MIXER, electric, \$75; Singer treadle sewing machine, \$17; large tricycle, \$5. Garwon, Alb. 9-0416.</p> <p>LAUNDRY TUBS, stationary, complete with stand and faucets, make offer. Kubiak, Alb. 6-1513.</p> <p>UPRIGHT FREEZER, 18 1/2 cu. ft., 640 lb. capacity. Swanson, Alb. 6-3693.</p> <p>POWER MOWER, electric, \$35. Hunter, Alb. 9-1089.</p> <p>CRAFTSMAN SKILL SAW, \$33.50; Simmons Beautyrest extra-long box springs, mattress, steel frame, \$69.50. Rabenhorst, Ext. 48255.</p> <p>'40 CHEVROLET PANEL TRUCK, ideal for hunting or fishing (10' bed), \$195. Liguori, Alb. 6-3613.</p> <p>CELOTEX PANELS, 16x32, 50 panels for \$7.50; 40 ft. white picket fence, 14-inch, \$2.50; poultry wire, two widths, short lengths, cheap. Sherwin, Alb. 5-8866.</p> <p>SNARE DRUM with two sets of sticks, \$30. Small, Alb. 9-0023.</p> <p>LAMBRETTA SCOOTER, '56, original owner, \$275 or best offer. Janus, Alb. 5-8228 after 1 p.m.</p> <p>12-FOOT BOAT with trailer, car-top load bars. Nissen, Alb. 5-5657.</p> <p>BUNKBEDS without mattresses, oak w/light finish metal frames, \$15. Fox, Alb. 6-2606.</p> <p>GOLF CLUBS, Patty Berg, 3 woods, 5 irons, nylon bag, \$50; buggy, \$20; stroller, \$3; first baseman's mitt, \$4. Hansen, Alb. 6-1216.</p>	<p>WANTED</p> <p>FLAT OR LONG BULL, 5'10" or 6'0", 40 to 45 pound pull, Lemonwood okay, price reasonable. Maak, Ext. 4-2250.</p> <p>TO TAKE CARE of children in private home during the day. Baby sitting at night. McGarvie, Alb. 5-5634, 2811 Montclair NE.</p> <p>DRIVER to bring Buick, good running order, from Madera, Calif. to Albuquerque. Gas & oil paid. Barrett, Alb. 2-7248.</p> <p>CHROME DINETTE set and bedroom suite, used. Bredow, Ext. 47146, Box 847, Tijeras, N.M.</p> <p>ELDERLY LADY to live in, \$15 week. No housework. Rodacovich, Alb. 9-3123.</p> <p>PLAYPEN with floor. McVeety, Alb. 9-5718.</p> <p>TRAILER, small 1 or 2 wheel; one set outside French doors or sliding glass doors; wall furnace. Westman, Alb. 5-6048.</p> <p>22 PISTOL, have 8x30 binoculars to trade. Abeyta, Alb. 5-5369.</p> <p>VIOLIN. Kindschi, Alb. 6-0531.</p> <p>HOMES FOR KITTENS. Will give away three kittens, 2 male, 1 female, 8 weeks old, cute. Newman, Alb. 5-8090.</p> <p>HOMES FOR KITTENS, 7 weeks old, free. Edgar, Alb. 5-9070.</p> <p>USED HI-FI with 3-speed record changer. Also need a cheap old piano. Jercinovic, Alb. 5-8027.</p>
FOR RENT				
<p>2 BR. HOME, furnished, near bases, schools, shopping centers. Pitti, Alb. 6-1629 evenings.</p> <p>15' VACATION TRAILER, insurance and hitch furnished. Enjoy your summer vacation with comforts of home. Nelson, Alb. 6-6300.</p>				

Today's Top Secretarial Help Long On Industry, Know-How

Times have changed from the days when all a good secretary needed to do was type, take shorthand and correctly spell "sincerely," "appreciate" and "accommodate."

Nowadays Sandia Corporation's top secretaries are more likely to spell and use correctly technical words which leave many an engineer groping for the nearest dictionary.

In fact a new secretary at Sandia may suddenly find herself in a scientific field she didn't know existed. "Take a letter, Miss Jones" may be an expression she'll seldom hear. Instead she may serve as a second "right hand" to an engineer, a physicist or a chemist.

Recruiting these secretaries is a never-ending task for our employment people. National trends indicate there has been a shortage of secretaries for the past 15 years even though about two million women presently are holding secretarial jobs.

Sandia's Requirements

Maxine Stephens and Tess Emree (both 3151-2) interview all prospective secretaries, then individual supervisors make the final decision about hiring.

Upon what do the interviewers attach the most importance?

First, the candidate's past experience must include at least a year's experience in general office work or else a diploma from an accredited business college.

Personal appearance plays an important part in the interview as it frequently offers a clue to the person's suitability or aptitude for certain type jobs. Maxine and Tess look for an applicant who is neat and appropriately dressed.

Tests are set up to check the secretary's professional qualifications—at least 50 words per minute in typing and 80 words per minute in shorthand. A clerical aptitude test (which a girl must wait a year to re-take if she fails to qualify the first time) includes spelling, grammar, vocabulary,



INTERVIEWING PROSPECTIVE SECRETARIES for Sandia Corporation is the job of Tess Emree (center) and Maxine Stephens (right), both are personnel interviewers in General Employment.

checking, filing and arithmetic.

Permanence Desired

The expense involved in obtaining a security clearance for a Sandia employee makes it impractical to hire a person for a period of less than a year. Insisting on such assurance by the applicant eliminates "job-hoppers" or persons who move from state-to-state frequently. Wives of military personnel, however, are not discouraged from applying for jobs at Sandia Corporation if their husband is likely to remain in New Mexico for a year or more.

Also, there is no discrimination against prospective secretaries with children. If the woman has dependable child care or if the children are of school age she generally proves to be a highly reliable employee.

Sandia does not draw an age line in hiring secretaries, but the experience requirement usually rules out 18-year-olds. For older women, qualified professionally, the complete medical examination required of every employee is frequently the biggest obstacle.

W. J. Howard Speaks At Reactor Dedication

W. J. Howard, Director of Systems Development at Livermore Branch of Sandia Corporation, last week was one of the speakers at the dedication ceremonies of a multi-million dollar power reactor at Pleasanton, Calif.

It is anticipated that the reactor will be producing the country's first privately financed atomic electric power later this year.

Other speakers at the dedication included Congressman Carl T. Durham, chairman of the Joint Congressional Committee on Atomic Energy; Dr. Ernest O. Lawrence of the University of California Radiation Laboratory; and Francis C. McCune, Vice President of General Electric Co.'s Atomic Products Division.

P. E. Belcher Succeeds Ralph Carlisle Smith in LASL Classification Post

Philip E. Belcher has been named Assistant Director for Classification and Security and D Division Leader at Los Alamos Scientific Laboratory.

He replaces Ralph Carlisle Smith who recently resigned from the Laboratory and is now with ACF Industries in New York.

ASM Elects

D. W. Ballard (1624) was recently elected chairman of the Albuquerque Chapter of the American Society of Metals for the 1957-'58 term. Other newly elected officers include H. W. Montgomery (1626), vice chairman, D. R. Johnson (1621), secretary, and A. W. Porter (2112), treasurer.

Noon Movie Schedule Presents Technicolor, Black, White Films

The noon hour movie schedule at Sandia will feature both technicolor and black and white films during the coming two weeks.

The Wednesday noon showing in Bldg. 802 basement conference room will feature "The Petrified River" on June 5 and "Life Cycle" on June 12.

The Corporation-sponsored movie program features "So Small My Island" and "Tarpon and Light Tackle" on June 4 and 6 in Bldg. 849 orientation room and June 7 in Bldg. 802 conference room.

June 11 and 13 in Bldg. 849 the offering will be "Arctic Border Lands in Winter," "The Bear and its Relatives" and "How Weather is Forecast." The same program will be shown on June 14 in Bldg. 802.

All programs are free and start at 12:10 p.m.

Sandians Attend ALO Industrial Relations Conference Here

Sandia Corporation representatives from the Personnel and Industrial Engineering organizations were present last week at an Industrial Relations Conference in Albuquerque sponsored by Albuquerque Operations Office of the AEC.

The conference was held to permit discussion of developments in personnel administration fields by employees of prime contractors to the Atomic Energy Commission in the weapons program.



RADIO EQUIPMENT in Salton Sea's hobby shop is operated by Arle Pierson, supervisor of Building and Maintenance Sec., 2483-1.



SHELL LOADING keeps David C. Werme, Salton Sea Security Inspector, busy while woodworking equipment is in use in background.

Salton Sea Hobbyists Headquarter In Well Equipped Do-It-Yourself Shop

Out at Salton Sea Test Base employees who pursue a hobby can do it in style.

The remotely located ballistics test range operated by Sandia Corporation has its share of ardent hobbyists and on most evenings several may be found in the recently improved headquarters for the do-it-yourself movement.

Power tools for the woodworker, power tools for the rockhound,

ham radio facilities (an application has been made for a station license) and an array of hand tools for the general repairman are available.

Making use of the conveniently located hobby building, Salton Sea employees are plying their skills and occupying their spare time in a shop which could be the envy of any lapidary, cabinet maker or amateur radio operator.



GEM GRINDER in the Salton Sea hobby shop is demonstrated by Glenn Thornburgh (2483), who is an avid rockhound.

Elect IRE Officers

Newly elected officers of the Albuquerque-Los Alamos Chapter of the Institute of Radio Engineers include B. L. Basore, Dikewood Corp., chairman; Sheldon H. Dike, Dikewood Corp., vice chairman; John McLay, Jr. (1455), secretary and John H. Findlay (1450), treasurer.

Retiring chairman is G. A. Fowler, Vice President of Research 5000.

The new officers will be installed at the annual IRE picnic scheduled Sunday, June 23, in the Jemez Mountains.

LASL Speaker at June 5 Colloquium

The Sandia Research Colloquium will meet Wednesday, June 5, according to Craig Hudson (5511) of the Colloquium committee. "A Discussion of Some Recent and Proposed Experiments" will be discussed by Dr. Carson Mark of Los Alamos Scientific Laboratories. The meeting will be held at 9:30 a. m. in the basement conference room of Bldg. 802. Tickets will be required for admission.

SAFETY HINTS FOR VACATION TIME

RICHARD K. STROME

