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MARCH 21, 1958

Don B. Shuster Heads Sandia Contingent At Eniwetok Tests

Division 2411 Ends Clear Safety Record Lasting Four Years

An outstanding safety record of 1760 days (more than four years) without a disabling injury in Division 2411 ended Mar. 7 when two employees were injured in an automobile accident.

The record was outstanding, according to Corporation Safety Director A. Burton Metzger due to the nature of the work performed by the division. The employees of Division 2411 perform electrical, refrigeration and air conditioning maintenance.

"Their dedication to safety has been demonstrated by supervisory and non-supervisory employees alike and it is worthy of note that the accident which terminated their safety record was a traffic accident and not directly associated with their work."

Mr. Metzger, in commending the interest in safety which has been displayed by the employees of the Division wrote, "I am sure . . . they will not become discouraged but will start anew in an effort to even exceed their splendid safety record of the past."

The accident occurred when a Sandia Corporation pickup truck ran into the rear of another vehicle on Manzano Road.

About 150 employees of Sandia Corporation are expected to participate in Hardtack, the forthcoming nuclear weapons test series at Eniwetok Proving Ground. The Sandia employees are among the 400 to 500 employees of the Atomic Energy Commission and Los Alamos Scientific Laboratory who will be present.

D. B. Shuster, Manager of Sandia Corporation's Full Scale Test Department, has been appointed Commander of Task Group 7.1, the scientific unit among the five task groups which make up Task Force 7 which will conduct the Pacific tests.

Mr. Shuster was Associate Test Director during the summer of 1957 test series in Nevada. Duncan Curry of Los Alamos Scientific Laboratory will serve as his deputy for administration.

Dr. William E. Ogle, Los Alamos Scientific Laboratory, will serve as scientific advisor to the Commander of Task Force 7. Dr. Ogle held the same position in the 1956 Pacific tests.

James E. Reeves, Assistant Manager for Test Operations in the Albuquerque Operations Office, will serve as Commander of Task Group 7.5, the support unit for the task force, as he did during the 1956 tests. Mr. Reeves serves as Test Manager during Nevada Test Operations. Deputy

Commander under Mr. Reeves will be Joe B. Sanders, Director of the Pacific Operations Division in ALOO.

The forthcoming series will advance the development of weapons for defense against aggression whether air-borne, missile-borne or otherwise mounted. Information of the effects of weapons will be obtained for military and civilian defense use.

An important objective of the tests will be the further development of nuclear weapons with greatly reduced radioactive fallout so that radiation hazard may be restricted to the military target. This principle was first proved in the Pacific Test Series of 1956.

John H. Findlay Named Sup't of QA Organization

John H. Findlay has been named Director of Quality Assurance, 5500, succeeding L. J. Paddison



John H. Findlay
—New QA Director—

who has taken charge of a new superintendency, Director of Reliability Development, 1500.

Mr. Findlay, who has been manager of the Electronic Component Development Department, 1450, assumed his new duties Mar. 16. He had been in department 1450 since Dec. 1953 and had been department manager since August, 1955.

Prior to coming to Sandia, Mr. Findlay was with Westinghouse Electric Corporation for 17 years where he was working in the development of electronic tubes. He was manager of their Power and Special Tube Engineering Department. Prior to being with Westinghouse he was a research physicist for the Union Switch and Signal Company in Swissvale, Pa.

Two degrees were earned by Mr. Findlay from Queen's University, Kingston, Canada, and he received his PhD in Physics from Princeton University.

Succeeding him as manager of Department 1450 is Harlan E. Lenander, who has been manager of Instrumentation Development Department, 5220.

John C. Eckhart, formerly supervisor of Telemetering Systems Division, 5223, has been named Manager of Instrumentation Development Department, succeeding Mr. Lenander.



TRACKING TELESCOPE is shown to 4-H Club members by Dan Fenstermacher (right) of Sandia Corp.'s optical development section.



SOLAR FURNACE demonstrated by C. A. Coonce (5221-1), right, was part of the east mesa optics facilities shown to a group of 4-H students on a tour of Sandia Base, Sandia Corporation, and KAFB.

4-H Club Members See Sandia East Mesa Tech Facilities

L. J. Paddison Heads New Superintendency Reliability Development

A new superintendency has been added to the organization of Sandia Corporation. On Mar. 16, the Director of Reliability Development, 1500, was established.

The new organization is headed by L. J. Paddison who had been superintendent of Quality Assurance, 5500.

Three departments are reporting to Mr. Paddison. The Automated Data Development Department (1520) headed by T. F. Marker, is responsible for automated data development and electro mechanical data devices currently handled by organization 1420. The remaining activities of department 1420 have been transferred to department 1450.

The other two departments in organization 1500 are the Electronic Test Equipment Department, 1540 (formerly 1440) headed by E. L. Deeter and the Reliability Department, 1590 (formerly 1290) headed by W. E. Boyes.

Don Peterson Speaks At Kansas University

Graduate students and faculty members at the University of Kansas recently heard a talk by Don Peterson (5122).

His lecture was entitled "Riemann Sums on a Company Group" and was based on the thesis he completed for his PhD at the University of Oregon.

Eighty members and sponsors of Bernalillo County 4-H Clubs were conducted on a joint tour of Sandia Corporation, Sandia Base and Kirtland Air Force Base last Saturday. The tour was in observance of national 4-H Week.

At Sandia Corporation the club members visited the east mesa area outside the technical area where they were shown Sandia's 24" Newtonian telescope, a 16" tracking telescope and domed enclosure, radar facilities and solar furnace.

Dan Parsons and members of the Optical Development Section 5221-1 presented lectures and demonstrated the equipment.

Another part of Sandia Corporation's program included the showing of a special film of Field Test activities which was narrated by B. C. Benjamin (5216).

The 4-H group had lunch at Sandia Base Mess Hall and spent the afternoon at KAFB where they were shown the B-58 "Hustler" and other jet aircraft on the flight line.

Colloquium Speaker

Dr. Leo Steg, manager of the General Electric Company's Aero-science Laboratory, will address the Sandia Corporation Research Colloquium Mar. 24. He will speak on the subject, "High Temperature Gas Dynamics Research at General Electric."

Tickets will be required for admission to the talk, which will begin at 9:30 a.m. in Room B-2, Bldg. 802.



HELLO DADDY says little Jimmy McLaren, recording a message to send to his father H. I. McLaren (7232) in the Pacific. Assisting Jimmy is Arleen Mick of the Public Relations Division, while Mrs. McLaren (left), her son John and daughter Patsy look on.

Public Relations to Record Voices Of Families for Employees Overseas

"Voices Away From Home" is the name of a new service established by Sandia Corporation to provide employees who are overseas with tape-recorded messages from their families.

Recording and playback facilities have been installed in the Public Relations Office (Bldg. 829) across from the south end of the Sandia Base parade grounds.

Families wishing to record messages can do so each Friday, or on other days by appointment. Appointments may be made by calling Mrs. Arleen Mick at Ext. 21253. In case of illness special arrangements can be made for re-

ording messages in the employee's home.

Overseas arrangements for recording and playback are being made by the Material and Field Services Division (7232). Employees' families will be notified as soon as overseas messages arrive at Sandia.

The three-inch tapes will be provided free by the Public Relations Division (3125) to the employee or family. If a disk recording is desired arrangements have been made with the Radi-Art Recording Studios, 808 Coal Ave. SE, for transcribing taped messages to ten-inch recording disks at a discount rate of \$3.25 per disk to be paid by the addressee.



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Worry . . . It's Wonderful!

Folks are always telling us not to worry. We read books on controlling our worries, our nerves, our tensions and the general consensus is "relax, don't worry, you'll be better off in your old age."

Now we'd like to take issue with that bit of advice. It might be good if it were more explicit, but as a generality we think it is a bit misleading.

The kind of worry advocated here is "constructive worry" which brings you to grips with the situation. It's the kind where you worry, then do something about the problem. If you're prone to worry about the weather come Friday and Saturday your worry is in vain. But if you are taking time to worry now about your child's education or how you are going to take care of yourself in your old age, and are taking steps to prepare for these times — that's constructive worry.

Almost all Sandia employees are preparing for their retirement with a contribution to the Sandia Corporation Retirement Plan each month. And as they do so they are comforted by the thought that the Corporation is making an even larger contribution in their name at the same time.

If you are thinking of the youngster's education chances are good that you are making a regular investment in U. S. Savings Bonds. These bonds cost you 75 per cent of maturity value and they mature in eight years and 11 months from issue date. The yield is 3 3/4 per cent compounded semiannually when held to maturity.

There're few better ways to assure your children's education than through systematic payroll deduction purchases of U. S. Savings Bonds.

Sign up if you're not using payroll deductions. If you are, why not "worry" yourself into increasing your allotment?

Sandians Who Serve . . .

Greg Abeyta President of PALS Group Giving Aid to Special School

This is another in a series of articles about Sandia Corporation employees who serve their communities in special ways.

Parents and friends of youngsters in the Los Lunas School for Retarded Children have organized and selected Greg Abeyta (5211) to be president.

The group calls itself PALS, which stands for Parents Asso-

are 167 children in the Los Lunas school but several hundred others are awaiting admittance.

Greg has been at Sandia nearly 12 years and is presently a field test coordinator.



Greg Abeyta

ciation for the Los Lunas School. "Our first project," Greg says, "is to furnish a kitchen at the school where girls can be trained before they are released from the school. We are also collecting money to purchase sports equipment and additional clothing for children who are taken by their parents to the school and then forgotten."

Social events, such as picnics and occasional movies, are also planned.

Members of PALS hope to persuade members of the State Legislature that more space is needed for the care of mentally retarded children. At the present time there

Mineral Societies Meet

"Jewels of the Past" was the theme for the convention and show of the Rocky Mountain Federation of Mineral Societies, held in Phoenix, Ariz., Mar. 7-9. Attending the event were D. S. Wise (2132-1), E. R. Wood (2131-3) and his wife Ellen (2553-2).

Gems and minerals on exhibit were valued at five and a half million dollars. The center of attraction was the world famous "Crown of the Andes," which is of solid gold encrusted with emeralds.

Folk Dancing

International folk dancing for adults is being taught by Maridel Dyke (1442). Her beginning class meets at the Heights Community Center Tuesday evenings from 8 to 9:30 p.m.

The sessions are open to newcomers.

Back at Work

Ralph Calvert (5121) is back at work after undergoing recent surgery in California.

Recently returned to work is Dr. F. G. Hirsch, former Corporation Medical director and currently consultant for Department 5111. He had been recovering from major surgery.

Tommy Thompson (7311-2) has returned to his job after an absence of seven weeks for an operation.

Gladys Comalli (2711) is back at work after recovering from a home accident. She ran her hand and arm through a glass door.

Congratulations

Born to:

Mr. and Mrs. R. P. Kelly (7213) a son, Patrick Joseph, on Feb. 6.

Mr. and Mrs. William R. Barton (5141-2) a son, Kenneth Allen, on Mar. 6.

Mr. and Mrs. Charles Eisenhour (5241) a daughter, Leigh Anne, on Feb. 24.

Mr. and Mrs. T. J. Williams (1451) a daughter, Sandra Lynne, on Mar. 1.

Mr. and Mrs. R. L. Parker (1456) a son, Keith, on Mar. 7.

Mr. and Mrs. Lee E. Hollingsworth (8120) a daughter, Susan Jae, on Mar. 1.

Mr. and Mrs. Tim Preston (1292) a son, Robert William, on Mar. 2.

Mr. and Mrs. William Padilla (7232-3) a daughter, Victoria Ann, on Mar. 10.

Mr. and Mrs. James P. Taylor (2152-2) a son, Robert William, on Mar. 11.

Mr. and Mrs. John A. Garcia (2153-2) a son, John Andrew, on Mar. 12.

Mr. and Mrs. S. D. Brooks (2473-1) a daughter, Marita Ann, on Mar. 12.

Mr. and Mrs. Kenneth L. Shipley (5141-1) a son, Curtis, on Mar. 12.

Mr. and Mrs. C. O. Duimstra (1472) a daughter, Cheryl Jean, on Mar. 13.

Mr. and Mrs. Alton Meador (1442) a daughter, Jan Ellen, on Mar. 12.

Mr. and Mrs. B. A. Montoya (2131-1) a son on Mar. 1.

Mr. and Mrs. William E. Caldes (5511) a daughter, Claire Suzanne, on Feb. 17.



PLAQUE FOR ORGANIZING Boy Scout Troop 87 was awarded Bennett Baldwin (7411) recently. Making the presentation was S. P. Schwartz (left), Corporation Vice-President and General Manager, who serves as chairman of the Sandia Base Boy Scout Executive Committee.

Get Well Wishes

Jane Lord (7423) is recovering from surgery.

Recuperating at home after hospitalization is John Olson (7424).

Get well wishes are passed along to C. J. Baumgartner (2230), who is convalescing after major surgery.

Wishes for a speedy recovery are extended to Pat White (3160) who is convalescing at home following recent surgery.

Department 2150 employees extend get well wishes to Milton Lew (2152-1) who has been seriously ill for several weeks.

A speedy recovery is wished to Lorenza Gilbert and David Thomas from their co-workers in 2722.

Son is Hospitalized

Tommy Henderson, four-year-old son of Jim Henderson (8222), is in Children's Hospital in San Francisco for a series of skin graft operations.

The boy was burned in an accident at his home about a year ago. He will be in the hospital about seven weeks.

Sympathy

To Dorothy Kirk (2462-3) for the death of her father Feb. 7 in Orlando, Fla.

To Bruce Wilcox (5141) for the death of his mother recently in East Williston, N. Y.



ACTORS LEND A HAND during preparation for tonight's performance of "Petticoat Fever" by Sandia Base's Little Theatre group. Jack Scheerer (7411), left, and Neil Botsford (1222) both have speaking parts in this three-act comedy set in Labrador.

Sandianotes . . .

Sandia Little Theatre Players Present 'Petticoat Fever' Tonight

When the curtain rises tonight on "Petticoat Fever" it will mark the revival of the Sandia Base Little Theatre group.

The three-act comedy will be presented Mar. 21 and 22 in the Old Base Chapel, which has been reconverted for use by the drama club.

The first offering under director Victor Izay will be the humorous story of a lonely radio operator in Labrador, who hasn't seen a woman in two years. Unexpected visits by his fiancée and his ex-girl friend liven up his existence.

Jack Scheerer (7411) is cast as the minister who performs a double wedding and Neil Botsford (1222) is a seaman who escorts the girl friend. Both Sandians have had previous theatrical experience in the East.

Tickets will be available tonight at the old chapel before the performance or from Sandia Player members.

New Homes

Busy shifting furniture around are A. R. Phillips (5131) and his wife, who have moved into a new home at 4705 Palo Duro NE.

"Whitey" and Barbara White (4344) are settled in their new home at 9616 Prospect NE.

Proud new home owners are Robert Lachance (2154-2) and his family who are now living at 9621 Apache NE.

New house-itis seems to be afflicting members of 2711. Mr. and Mrs. C. R. Sandin (2711 and 2541) will soon move into their new residence at 4109 Palo Duro NE. E. T. MacKenzie and his family are settled at 1517 Parsifal NE. Nicholas Hapsas and his wife are now located at 1104 Wade Circle NE.

Toastmaster Officers

Ken Sutton (3152) was elected president of the Sandia Toastmasters Club 765 during semi-annual elections this month.

Other Corporation employees who will take offices Apr. 3 are: Joe Dancelovic (3152), educational vice president; Bill Puder (7223), executive vice president; and Art Redlinger (2713), treasurer.

State's Lone Entry

Gordon Zahm (2152-3) has a unique combination in his 15-year-old son, Gary, who is both artist and "bird-watcher."

Gary was the only New Mexican to enter the annual Duck Stamp design contest held by the U. S. Fish and Wildlife Service. He didn't win this time, but the N. M. Department of Game and Fish congratulated him on his try and urged him to continue his efforts.

Engagement

The engagement of Carol Goats to Paul Spencer was announced recently with the wedding tentatively set for August or September.

Carol has worked in 7225 assigned to 5510 since last May. Her



Miss Goats

fiance has been with Sandia (in 7411) more than two years.

Pistol Marksmen

Ralph Larsen (2153) and his wife Ruth (2743) are currently in Florida on vacation. While in the sunshine state Ralph plans to enter the mid-winter pistol tournament at Tampa. He is a former state pistol champion in New Mexico and Arizona.

Jemez Turkey Shoot

Jemez Mountain American Legion post will sponsor a turkey shoot on Sunday, Apr. 20, starting at 11 a.m. two miles north of Jemez Pueblo on State Highway 4. Helping out on arrangements is Moses Loretto (2473).

Co-Workers Donate Blood

Carl Holmes (2722) wishes to thank his co-workers in 2711 and 2722 and friends for the many donations to the blood bank during his wife's recent illness.

Dachshund Club Seeks New Members

The New Mexico Dachshund Club is seeking new members. Purpose of the club, organized in 1949, is to encourage and improve the breeding and popularity of this breed.

Mrs. W. F. Stearns (whose husband works in 1625) is secretary of the club and reports that efforts are made during the monthly meetings to have movies and speakers on various subjects concerning dogs, their care and training.

In the fall an AKC sanctioned show is held which often attracts entries from Arkansas, California and Texas as well as nearby states.

For additional information contact Mrs. Stearns at ext. 52277 after 5 p.m.

Supervisory Appointments

KENNETH L. GILLESPIE to supervisor of newly-created Escapement Timers and Integrators Division 1474, Electromechanical Development Department.



"Ken" has been in the field of electromechanical component development during his seven years at Sandia and has been a section supervisor since 1954.

He holds Bachelor's degrees in Mechanical Engineering and Business Administration from the University of Colorado. At the University of New Mexico he is doing graduate study toward a MS in Mechanical Engineering.

During World War II Ken served three years in the Army Air Force, mainly in pilot training.

Prior to the war he worked two years for Trans World Airlines as a mechanic in Washington, D. C., and Brazil.

He is a member of Pi Tau Sigma, Mechanical Engineering honorary.

ROBERT A. ERICKSON to supervisor of Section 1472-2 Barometric and Acceleration Devices Division. This new section will work with "choppers," electrical regulating devices.



For three years "Bob" has been with the Corporation working in barometric devices and component groups.

The previous three years he was with the Atlantic Refining Co., Dallas, doing research on petroleum production problems.

At the Naval Ordnance Test Station at China Lake, Calif., Bob worked for a short period on internal ballistics of solid propellant rockets.

Bob holds a BS in Engineering Physics and a MS in Physics from the University of Oklahoma.

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

He is a member of Phi Eta Sigma, freshman honorary, Sigma Pi Sigma, physics honorary, and Sigma Xi, research honorary.

WILLIAM R. BARTON to supervisor of Parachute Research Section 5142-2 Aerodynamics Research Division.



"Bill" has worked in the aerodynamics field most of his six years at Sandia, first in experimental aerodynamics and in recent years in engineering aerodynamics.

He came to Sandia from the University of West Virginia where he worked a year in research and laboratory teaching after receiving his BS in Aeronautical Engineering.

His pre-engineering courses were taken at Waynesburg College in Pennsylvania and last year Bill attended a missile aerodynamics course at Massachusetts Institute of Technology. He has nearly completed work towards a Master's degree in fluid dynamics (electrical engineering) at the University of New Mexico.

From 1946-48 Bill was in the Army and served a year and a half in Korea. Since 1952 he has been in the Air Force Reserve.

Bill is a member of the Institute of Aeronautical Sciences.

LESLIE A. SHOPE to supervisor of Section 1455-1, Radar Systems Development Division. This newly-created group will be the division's project section.



During the three years Les has been at Sandia Corporation he has worked in radar and radiation effects testing.

Previously he was at the Case Institute of Technology in Cleveland, O., for three years working on an Air Force project. He also received his Bachelor's and Master's degrees in Electrical Engineering at Case Institute.

Les served nearly three years in the Navy.

He is a member of Tau Beta Pi, engineering honorary, Eta Kappa Nu, electrical engineering honorary, and Sigma Xi, research honorary.

RICHARD H. BERG to supervisor of Section 1455-3, Radar Systems Development Division. This newly-created section will deal mainly with systems evaluation.



"Dick" has been at Sandia two and a half years and has worked in the radar systems field the entire time.

At Marquette University he received a Bachelor's degree in Electrical Engineering and has started graduate study at the University of New Mexico.

Dick served four years in the Navy as an electronic technician and was an instructor at a Navy school in Key West, Fla.

He is a member of the American Institute of Electrical Engineers, Eta Kappa Nu, electrical engineering honorary, and Tau Beta Pi, engineering honorary.

C. RAYMOND ALLS to supervisor of Section 1455-2, Radar Systems Development. This newly-formed section will be concerned with component design.



He has been at Sandia since June 1954 and has been in the radar field the entire period.

Raymond holds Bachelor's and Master's degrees in Electrical Engineering from the University of Arkansas.

From 1946-49 he was an aviation electronic technician in the Navy, stationed at Corpus Christi, Tex., and Memphis, Tenn., where he was an instructor.

Raymond is a member of the Institute of Radio Engineers and Tau Beta Pi, engineering honorary.

PTA Officers

Two Sandians and the wife of another were elected to offices in two Livermore Parent-Teacher Associations last week.

Robert Weaver (8112-1) was elected president of the East Avenue School P.T.A. by acclaim while Lurl Ostrander (8221-3) was elected his vice president.

Meanwhile, at the Fifth Avenue School P.T.A. Mrs. Betty Marsh, wife of Bill Marsh (8132) was elected first vice president.

Technical Papers Go to AEC's Information Service Library

A number of technical papers by Sandia authors were sent to the AEC's Technical Information Service at Oak Ridge, Tenn., last month for use in the Civilian Application Program.

The papers and their authors: "An Application of Game Theory to Special Weapons Evaluation" by J. K. Hale and H. H. Wicke (5126), which appeared in the Naval Research Logistics Quarterly in December 1957.

"Film Reader and Analyzer Operating Instructions and Detailed Description" by R. M. McGehee (1413).

"Some Extensions to the Theory of Explosive-Electric Transducers" by G. W. Anderson (5132).

"Modification of Signal-to-Noise Ratio in AM Systems by Detection" by Charles S. Williams, Jr. (1454).

"Ferromagnetic and Ferroelectric One-Shot Explosive-Electric Transducers" by F. W. Neilson (5132).

"D-1 Timer" by Robert Creveling (1413) and Robert T. Braden. "IBM Problem M. Curves" by C. D. Broyles (5113).

"A Critical Survey of the General Limitations of the Nondestructive Testing Field" by D. W. Ballard (1624), which appeared originally in the Journal of the Society for Nondestructive Testing, July-August 1957.

"Constant-current Pulse Generator" by H. R. Johnston (1463).

"Analysis of a Feedback System Containing a Gyroscope" by Thomas Hugh Martin (2361).

"Basic Magnetic Switching Circuits" by R. W. Durkee (1263), reprint from *Electrical Manufacturing*, October 1956.

"High Pulse Voltage Effect on Carbon Resistors" by G. E. Ingram (5132).

Sandia Employees Help Present Safety Program At Valley High School

Sandia Corporation was well represented recently during a televised safety program at Valley High School.

Demonstrating fire extinguishers and giving a talk on fire safety on the program were Harry Pastorius and Ted Rosenwald (2442). Also on the program were Glenda Poteet, daughter of Anita Poteet (2442), and Lonie Katzenstein, daughter of Lily A. Katzenstein (4135).

"An Automation Capable of Learning the Meanings of Words in Context" by Gene R. Bussey (1421).

"DC Amplifiers for Apar Transducer Applications" by A. L. Anderson (1421).

"Castability of Aluminum Alloys" by M. M. Karnowsky (1626), originally published in *Foundry*, October 1955.

Two other papers were also made available to the public through the Office of Technical Services of the Department of Commerce: "Conical Scanner for Circular Array" by S. Stan Locus (ex-Sandian) and H. George Oltman, Jr. (1423), and "Automatic Positioning of Telemetering Antennas" by James E. Palmer, T. V. Crawley and J. T. Lannon (all 5221).

Promotions

Garnet I. Mastin (2231) to Wireman
 Marcus G. Martinez (2472) to Stockkeeper
 James D. Whitfield (2721) to Inspector
 D. R. Deatherage (2711) to Inspector
 Frank M. Takahashi (2711) to Inspector
 Jill F. Reinertsen (7225) to Typist-Clerk
 Alice D. Warder (7225) to Typist-Clerk
 Charlyne Rumbaugh (2163) to Record Clerk
 Lyle T. Davis (2461) to Document Clerk
 Lois D. Calkins (2461) to Document Clerk
 I. Mae Miller (4135) to Key Punch Optr.
 Georgia M. Howard (2461) to Doc. Clerk
 Juanita A. Vincent (8221) to Doc. Clerk
 Donald E. Fjelseth (1621) to Laboratory Asst.
 Roch W. Bradshaw, Jr. (5241) to Staff Asst. (Tech)
 William D. Ingram (5131) to Staff Asst. (Tech)
 Gene L. Schuetz (1611) to Staff Asst. (Tech)
 Louise Major (2513) to Staff Asst. (Admin)
 Cynthia L. Kelly (2513) to Staff Asst. (Admin)
 Dale L. Fastle (5216) to Staff Assoc. (Tech)
 Richard Lee Shaum (5222) to Staff Assoc. (Tech)
 Edward S. Ames (5231) to Staff Assoc. (Tech)
 Lyle Kay Porter (5251) to Staff Assoc. (Tech)
 Phil Moya (2112) to Metal Stock Handler and Cutter
 C. L. Fitzgerald (2462) to Rep. Equip. Optr.
 Merritt D. Hummer (2131) to Technician
 Orval E. Talley (2131) to Inst. Tech.
 Lorraine E. Cook (4131) to Payroll Clerk
 Mara E. Muilenburg (4135) to Acct. Clerk
 Mildred H. Wieggers (7225) to Sec. Steno.
 Lois G. McDonald (7225) to Sec. Steno.
 Barbara F. Goldman (8221) to Ozalid Optr.
 Howard R. Lafond (7222) to Utility Optr.
 Fay A. Tome (7315) to Sec. Typist
 Pearl R. Johnston (8113) to Sr. Clerk
 Roger W. Thorp (4153) to Acctg. Clerk
 Thomas D. Williams (4151) to Accountant
 Dennis J. Adkins (1613) to Lab. Asst.
 Dale Roland Hansley (2111) to Staff Asst. (Tech)
 Joel L. Landrum (7213) to Staff Asst. (Admin)
 Horace J. Brown (4361) to Staff Asst. (Admin)
 James F. Wolfe (2413) to Helper-Trades
 Jos B. Sanchez (2413) to Jr. Tradesman
 Wilfred Otero (7423) to Tab. Equip. Optr.
 M. Margaret Platt (4112) to Staff Asst. (Admin)
 Mary L. Goolsby (2462) to Mimeo. Optr.
 Marie C. Lovato (2462) to Mimeo. Optr.
 Robert G. Fueger (2711) to Utility Optr.
 Robert E. Lee (2414) to Fireman
 Elewene Shannon (2222) to Order Clerk
 Peter Olguin (2723) to Schedule Clerk
 Doreen L. Westfall (7225) to Record Clerk
 Geraldine M. Adams (5125) to Calc. Mach. Optr.
 Yvonne M. Maxwell (1611) to Data Red. Clerk
 Lessie G. Lee (2731) to Data Red. Clerk
 Lloyd N. Strosnider (3122) to Service Clerk
 Amy R. Kahoiwai (7225) to Editorial Asst.
 A. H. Archuleta (2221) to Property Audit Clerk
 C. Trujillo, Jr. (4153) to Investigator
 George C. Garcia (1614) to Stockkeeper
 Robert D. Hole (1614) to Stockkeeper
Supervisory Lateral Transfers
 Norman J. Renaud from supervisor of Section 4151-1 to 8213-2

The Inquiring Reporter Asks:

What Do You Use In Sandia's Technical Library?



RICHARD OTHMER, section supervisor in Structural Analysis Division, has a broad choice of material. "Since my work deals with all kinds of engineering there are several reference books I use quite often. They are Roark's Formulas for Stress and Strain and Timoshenko's Engineering Vibration Problems."



HERMAN J. STEIN (5150) performs semi-conductor investigations. He said, "I find physics abstracts of greatest value. It's an easy way to read about current work in a particular field. I also check the periodical racks at least once a week."



BILL OHNYSTY (1626-2) said "My work is in ceramics. Since this is a fairly recent field there are no up-to-date textbooks. Periodicals of the American Ceramics Society are my best sources." (Earlene Brinegar helps him check out a book and Bill notes, "They always smile.")



G. I. MILES (4112-2) finds in industrial relations methods and procedures he must be informed about a broad category of things. "Psychology, economics and 'scientific' management are all fields I must delve into. Papers published by the American Management Assn. are useful."



A. C. ELLINGSON (1542) is highly-involved in electronics. His first target at the library: "The Engineering Index. It helps me pinpoint the latest articles on specific subjects in periodicals and books. The Index for the current year is found in the card catalog. Other years are assembled in bound book form."

edge and entertainment contained in their many volumes.

Sandia's technical library in Bldg. 802 is open 23 hours a day to accommodate technical and research people. To determine the most popular volumes among these, the Sandia Lab News queried five men who make frequent use of the library.

Sandia Employees Taking Part in High School Career Day Activities

Participating in counseling activities at Highland High School's annual "Career Day" today are 18 Sandia Corporation employees. The Sandians are giving talks on qualifications needed, challenges offered and opportunities available in various professional fields.

Last Wednesday, nine Sandians participated in a similar program at Valley High School.

At Highland today and the subjects they are discussing are the following speakers:

W. H. Curry (5144), aerodynamic engineering; D. F. Pinochio, (1463), chemical engineering; R. E. Fisher (1621), chemistry; W. W. Ives (2463), commercial art; P. A. Nicovich (7412) and P. E. Eichert (7410), drafting.

H. E. Viney (7310), electrical engineering; Gino Carli (1542), electronics; P. F. Meigs (1291), industrial design; W. T. Moffat (5240), mathematics; L. E. Bothell (1613), mechanical engineering; D. R. Johnson (1621-2), metallurgical engineering.

P. W. Rowe (5141), missiles; T. B. Cook, Jr. (5111), physics; Mrs. C. L. Steputis (3152-2), general office work; J. J. Michno-

vicz (2462), photography and graphic arts; H. E. Lenander (1520), research; Mrs. Jean Gillette (3124), secretarial work.

At Valley High on Wednesday the Sandians who presented talks were:

R. E. Fisher (1621), chemical engineering; W. F. Carstens (7223), technical writing; G. W. DeSato (7411), drafting; T. S. Church, (1410), electrical engineering; P. F. Meigs (1291), industrial design; D. R. Morrison (5126), mathematics; R. J. Hansen (2100), machining and metal work; H. E. Lenander (1520), physics; Mrs. W. M. Fellows (7225-1) and Gertrude Byrne (7225-3), secretary work.

The two programs presented this year mark the third year that Sandia Corporation employees have participated in the annual "Career Day" activities of Albuquerque high schools. A total of 13 talks have been presented by Sandians in the past three years.

The programs are arranged at the request of the schools and are coordinated by the General Training and Education Division 3124.

Livermore Engineer Seeking Degree in Nuclear Engineering

With a Master's degree and a Bachelor of Science degree already to his credit, Hugh Chang (8111-1) recently went on leave of absence to go back to school.

Hugh has been a mechanical engineer at Sandia's Livermore Branch since May 1956 and is a former colonel in the Chinese Nationalist Army.

He has been taking courses under Sandia's Educational Aids Program while working full-time for the Corporation and in mid-June will finish his required on-campus work toward a Master's degree in nuclear engineering at the University of California in Berkeley. In July he'll be back at work.

The former Chinese army officer holds a Master's degree in engineering and business administration from Harvard University and a BS in mechanical engineering from the National Institute of Technology at Nanking, China.

Hugh came to this country in 1943 on a mission for the Nationalist Army and was one of the first engineers in the California Bay area to join the Livermore Branch.



Admiral Uehlinger



C. C. Campbell

Adm. Uehlinger to Retire From AEC at End of Month

Rear Adm. A. E. Uehlinger, USN (ret.), will retire Mar. 31 after serving six years in the AEC's weapons program.

He retired from the Navy June 30, 1952, after 30 years service and has been with the AEC since shortly thereafter.

His first position with the AEC was as Assistant Field Manager of the Sandia Field Office. During a reorganization of the Albuquerque Operations two years later he was named Contract Administrator. In July 1955 Admiral Uehlinger

established additional commercial facilities for manufacture of ordnance equipment.

Gunnery Officer

When the USS SOUTH DAKOTA neared completion in January 1942 Admiral Uehlinger was assigned as Gunnery Officer. Later, while serving as Executive Officer, he assumed temporary command when the ship's Captain was severely wounded in the Battle of Santa Cruz in the South Pacific.

Admiral Uehlinger was awarded the Silver Star Medal for his part in the Battle of Guadalcanal, in which the ship received many hits. Following repairs the ships served with the British Home Fleet until August 1943.

In 1944 Admiral Uehlinger reported to Puget Sound Navy Yard as Ordnance Officer in charge of planning repair, modification and installation of ordnance equipment and radar on vessels undergoing overhaul, being built or modernized.

A-Bomb Tests

He participated in the atomic bomb experiments at Bikini while in command of the Bureau of Ordnance's instrumentation group in Joint Task Force One in March 1946. It was Admiral Uehlinger's responsibility to instrument the target vessels, the target area and the surrounding islands in order to determine certain phenomena, including blast heat, radiation and impact effects on ordnance equipment.

In June 1950 he took command of the Naval Ordnance Missile Test Facility at White Sands Proving Ground, N. M., and also served as Naval Liaison Officer for the Air Force Guided Missile Projects being conducted at Holloman Air Force Base. He remained at White Sands PG until his Navy retirement.

After travel Admiral Uehlinger and his wife, Maran, plan to remain in Albuquerque at 900 Hermosa Pl. NE. They have one son, John, who is a Navy officer stationed in Washington, D. C.

C. C. Campbell to Head Area Office

C. C. "Chet" Campbell, who has been Deputy Manager at the AEC's Rocky Flats Area Office since 1952, has been appointed Manager of the Sandia Area Office succeeding Mr. Uehlinger.

The appointment is effective Apr. 1.

On the same date Frank E. Abbott will succeed F. E. Bell as Chief of the Administration Branch, Sandia Area Office. Mr. Bell will join Sandia Corporation's Staff Training and Education Division, 3123.

ger became Director of the Sandia Contract Division. His appointment as Area Manager was made May 16, 1956, when the Sandia Area Office was established.

Naval Academy Grad

A graduate of the U. S. Naval Academy, Admiral Uehlinger served as Secondary Battery Officer and Plotting Room Officer from 1931 to 1934 on the USS OKLAHOMA.

The following two years he was Assistant Design Officer in the Bureau of Ordnance. He helped design turret installations, 5" 38 guns and mounts, bomb handling arrangements for aircraft carriers and hydraulic control mechanisms for gun mounts.

In 1939 he was promoted to Gun Mount Officer and during the pre-World War II emergency it was his duty to expand and es-

Elias Meier Retires From Sandia April 1

Elias Meier will retire April 1 after seven years service with Sandia Corporation.

He is presently in Stores Division 2472. But, until the past year Elias was a painter in the Carpentry and Painting Division 2413.



Elias Meier

A native of New York State, a dozen years ago Elias gave up a business there he had operated for 22 years and moved to New Mexico for his wife's health.

Mr. and Mrs. Meier plan to travel back east and to California in the future but their home will be in Albuquerque at 105 Columbia SE.

Meteorological Working Groups to Have Inter-Range Meeting in April

Scientists from missile test and development centers across the nation will convene at Sandia's Salton Sea Test Base in April for a meeting of the Inter-Range Meteorological Working Group.

Salton Sea will be host to the IRMWG April 8 through 10.

Representatives of the following centers have been invited to attend:

White Sands Proving Ground and Holloman Air Force Base in New Mexico. Air Force Missile Test Center at Patrick Air Force Base and the Air Force Armament Center at Elgin Air Force Base in Florida.

The Naval Air Missile Test Center at Point Mugu, the Naval Ordnance Test Station at China Lake, and the Air Force Flight Test Center at Edwards Air Force Base

in California.

The Bureau of Aeronautics, Department of the Navy at Washington, D. C., Evans Signal Laboratory at Belmar, New Jersey, and Sandia Corporation.

Those from Sandia to be at the meeting include W. T. Moffat (5240), A. P. Gruer (5210), H. J. Plagge (5243), G. L. Miller (5243), and J. G. Hawley (5214).

Iturbi Appears With Civic Symphony at March 25 Concert

José Iturbi, noted pianist, will appear as soloist with the Albuquerque Civic Symphony at its Mar. 25 concert at the Civic Auditorium.

Selections by Mr. Iturbi will include Mozart's Concerto in D Minor (466 KL) and Liszt's Concerto in E Flat. The Civic Symphony will play Weber's overture "Oberon," the Classical Symphony by Prokofiev, and Rimsky Korsakov's Capriccio Español.

Admission to the concert will be by season or single admission tickets, the latter obtainable at Albuquerque music stores or at the box office on Mar. 25.

Sandians on the Civic Symphony Board of Trustees are Kimball Prince (6000), Charles Runyan (2120), and Howard Stump, Jr., (3164). Kenner Hertford, manager of the AEC's Albuquerque Operations Office, is also a member of the board.

Testing Article

An article by R. A. Nickerson (8111) a Corporation employee since last July, appeared in the Jan.-Feb. issue of Non-destructive Testing.

The paper was entitled "The Fundamentals of Differential Radiation Measurements."

J. A. Thomas to Retire March 31

Retiring at the end of March after seven years at Sandia is Joseph A. Thomas.

He is a foundryman in Pattern and Foundry Sec. 2121-4. "Joe" and his wife are originally from Indiana and make their home in Albuquerque at 131 Chama NE.

However, chances are they will move to the southern states, "maybe Florida," after his retirement.

Among hobbies, his favorite is gardening.



J. A. Thomas

Educational Aids Program Enrolls 450 Sandians In College This Spring

Enrollment in college courses under Sandia's Educational Aids Program is expected to reach about 450 during spring semester.

Staff Training and Education Division reports that 16 students are working toward PhD degrees, 190 are taking graduate study for Master's degrees, 123 others are undergraduate students with Bachelor's degrees as goals. Classes are also being taken by 64 Sandians not working toward a degree.

The higher total is expected to be reached after reports are in from Livermore Branch.

The program allows time away from work for advanced students to attend classes and partial financial aid for all students.

During fall semester tuition refunds by the Corporation added up to more than \$8,600. The Corporation also gave the University of New Mexico a subsidy of about

\$13,800 during the same period to assist the school in maintaining the staff and facilities needed to teach the type of courses needed by Sandia employees. The subsidy also makes possible the scheduling of classes at hours outside regular working hours most desired by employee-students.

The University is encouraged to give desired courses outside working hours. Only when the University is unable to do this are employees allowed time off and then graduate students and upperclassmen are allowed limited amounts of time off to take courses important to their work.

Welcome Newcomers

Mar. 3-14

New Hires	
Albuquerque	
Alfred B. Banks	4112
Martha K. Borah	3123
Dorothy M. Day	7225
Marilee M. Domolecny	6135
Willard W. Erdman, Jr.	7412
Claire J. Haut	7225
Van C. Lewing	2464
James E. Lujan	2464
Charlston C. Luker	2461
Ralph A. Martin	7424
Teresa E. Newell	7225
Darlene F. Schafer	2731
Christine Sillivan	7225
Marion L. Sliwinski	4343
Claude O. Teague	2481
Robert N. Tomlinson	1614
California	
John W. Biebersheimer, Pacoima	8114-1
William M. Coelho, Livermore	8114-2
Evelyn A. Foote, Livermore	8212-1
Clara H. Hewitt, Livermore	8213-2
Harold J. Watson, Pedro Valley	8212-1
Texas	
Charles R. Andes, San Antonio	4122
Utah	
Edwin R. Servis, Price	7422
Washington	
Raymond E. Gott, Kennewick	8132-2
Returned from Leave	
Mary L. Carter	7225
Jimmie L. Robinson	2462
Rehired	
Leland L. Pierce	7232
Dorothy J. Robinson	7225
Margaret B. Mancuso	7225
Shirlye M. Devine	2224
Donald R. Metheny, Sr.	2474

Noontime Movies

Part two of a feature-length movie and two short subjects will make up the Corporation noon movie schedule from Mar. 25 to Apr. 4.

Mar. 25-28 the offering will be part two of "The Second Greatest Sex," a technicolor musical comedy.

Apr. 1-4 the program will include "How TV Works" and "Sound Waves."

The free movies start at 12:10 p.m. in Room 3, Bldg. 849 on Tuesdays and Thursdays and Room B-6 of Bldg. 802 on Wednesdays and Fridays.

Service Awards

10 Year Pins



James O. Wheeler, Jr.
7321
Mar. 31, 1948



Earl H. Craven
2443
Mar. 22, 1948



Jose T. Montoya
2163
Mar. 29, 1948



Harold E. Keith
2543
Mar. 11, 1948

Five Year Awards

Mar. 21-27

June K. Rainwater 2442, Raymond W. Clark 2511, Donald B. Wade 5531, Nathan C. Brown 7321.

Martha E. Williams 2741, Wayne A. Grimshaw 8114, Jeanne D. Ryan 5512, Allene P. Cole 7225 and Robert Goldsworthy 2713.

Mar. 28-Apr. 3

Candelaria C. Martinez 2462, Frederick H. Darugh 1461, Donald J. Sullivan 2414, George W. Day, Jr. 2124.

James J. Schenck 2415, John E. Stevenson 2481, Harry R. Boitts 1225, Patsy C. Longorot 7225.

Frieda P. Salazar 7225, Wilbert R. Wood 5211, Clyde I. Millard 1624, Evelyn A. States 7121, Ralph R. Davies 2553 and Helen L. Klauer 7231.

Two Year Certificates

Mar. 21-27

Lucille E. Baier 5125, Maxine J. Metz 4353, Harlan E. Morris, Jr. 2711, Paul B. Vanderberg 2231, William R. James 2310, Bruce T. Bauer 1611.

Clarence T. Mickey 1245, Clifford Bell 2473, Bonnie B. Matics 7225, Mary Lou Werner 7223, Sue Z. Moreton 3153, Calla Ann Crepin 1626 and Esther M. Allen 3151.

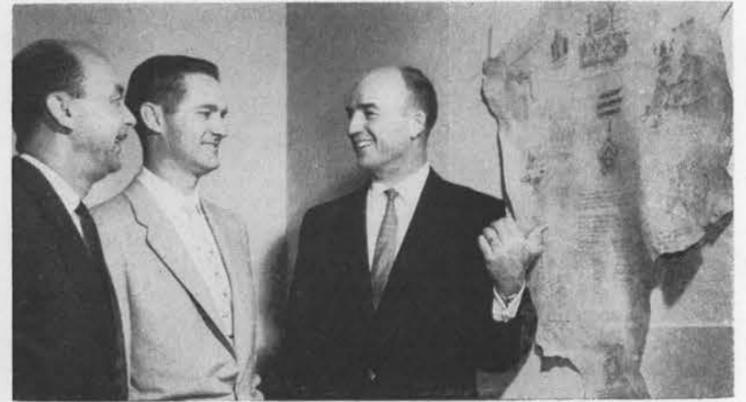
Mar. 28-Apr. 3

Doris L. Wise 7225, Clyde M. Jones 1611, Leonard E. Baker 1284, Daniel C. Eaton 2154, John A. Snyder 2131, Alfred L. Elsea 7411, C. Lucille Cuthbertson 7225.

Annabelle E. Huddleston 2463, Dorothy M. Kirk 2462, Anthony J. Graff 7232, Howard W. Pumphrey 5143, Pasquale A. Liguori 7411, Everett C. Johnson 2474, Manuel P. Lucero 2474 and Dana A. Wray 7242.



INTERNATIONAL SITUATION was discussed with Sandia Corporation Department Managers at recent conference held at Bishop's Lodge, Santa Fe. Shown here is Dr. Oskar Morgenstern, Director of the Economic Research Project, Princeton University, leading the discussion. The second Department Manager Development Conference will be held soon with other problems on the agenda.



MANAGERS' APPRECIATION was expressed in a unique manner to the staff of Staff Training and Education Division by those attending the pilot session of the Managers Development Conference. Admiring their hard earned "sheepskin" are Barney Ginchter, Donald J. Jenkins and Jack Dyer all of Organization 3123.

Coronado Club Bantam Bowlers Enter Eight Teams in Junior Tournament

The Coronado Club will enter eight teams in the American Junior and Bantam Bowling Tournament to be held at the Coronado Club alleys Mar. 29 and 30.

Two of the Coronado junior teams won the state title last year in the boys and girls division and the Coronado Bantam team won the state title in the boys division. The tournament last year was held at a downtown alley.

As in previous tournaments the teams this year will be competing for the city, state and national titles. Scores will be sent to the American Junior Bowling Congress in Chicago and the highest score will receive the national title. The tournaments are played according to AJBC rules.

Junior bowling teams, composed of boys and girls 13 to 19 years of age, will each bowl three games in the tournament, and the Bantams, boys and girls under 12, will bowl two games. Trophies will be awarded in all events.

The teams have been bowling each Saturday morning at the Coronado Club under the instruction and management of Miss Mamie Burg, who is employed by AEC-ALO as a travel clerk. Mamie will also be in charge of the tournament.

The tournament is open to the public.

Table Tennis League Starts Eliminations for Tournament Apr. 28

Elimination play has begun in the Sandia Corporation Table Tennis League with superintendency play-offs to be completed Apr. 25.

Singles and doubles winners and runners-up in each superintendency will compete in the Corporation tournament scheduled to begin Apr. 28.

All employees interested in participating are asked to contact their organization representatives, listed below:

1200, C. L. Kassens, Ext. 20154; 1400, E. W. Glaze, Ext. 32156; 1600, M. L. Hisler, Ext. 43150; 2100, John Blythe, Ext. 26241; 2200, Ken Smith, Ext. 22232; 2400, Dan Aycock, Ext. 47151.

2500, Tom Kelly, Ext. 37132; 2700, Gene Lucero, Ext. 25150; 3100, Paul Hersey, Ext. 35131; 4100, M. H. Groll, Ext. 34160; 4300, Charley Uribarri, Ext. 35241; 5100, Don Matejka, Ext. 20252; 5200, C. M. Clendenin, Ext. 25252; 5500, Bill Fears, Ext. 25153; 6000, Bill Palmer, Ext. 22167; 7100, Bob Armstrong, Ext. 21148; 7200, Richard Callahan, Ext. 25259; 7300, Dave Brown, Ext. 31235; 7400, Roy Dell, Ext. 44255, and AEC, Wyn-dell Price, Ext. 33243.

Club Dance Classes Still Have Openings

Openings are still available in beginning and advanced ballroom dance classes being offered at the Coronado Club.

Fee for the 10-week course, being taught by Gail Ward (2463) and his wife Jennifer, is \$6 per member. The classes are held each Monday night at 7 p.m. for beginners and 8:30 p.m. for advanced students.

Basketball Schedule

Mar. 25-31	
Highland	
Tues., Mar. 25	
Court I	
6:45	2100-I vs. 1600-I
8:00	2100-II vs. 4100
9:15	5500 vs. 7100
Court II	
6:45	2400-I vs. 1400
8:00	2400-II vs. 5200
Wilson	
Wed., Mar. 26	
6:45	7400-I vs. 2500
8:00	1200 vs. 2100-I
9:15	2100-II vs. 5100
Lincoln	
Thurs., Mar. 27	
6:45	2400-I vs. 5100
8:00	1600-I vs. 2500
Wilson	
Mon., Mar. 31	
6:45	2100-I vs. 7100
8:00	2400-I vs. 5500

Basketball Standings

As of Mar. 14, 1958		
Team	Won	Lost
5500	11	0
2400-I	10	0
7400-I	9	2
2500	7	3
5100	7	3
4100	7	5
1200	5	6
7100	4	6
2400-II	4	7
5200	4	7
1400	4	8
1600-II	4	9
1600-I	3	7
2100-I	2	7
2100-II	0	11

Mountain Club Plans Three Excursions in Albuquerque Vicinity

New Mexico Mountain Club has planned three interesting trips for its members in the next two weeks.

On Sunday, Mar. 23, the group will make a one and one half hour climb to the top of Cabezón, a volcanic plug 65 miles northwest of Albuquerque. Ropes will be used for safety. The following Sunday, under the leadership of Reed Cundiff (7132), beginners and advanced members will hold a practice climb in the Sandias.

The group will explore a portion of the original road between Albuquerque and Santa Fe on Saturday, Apr. 5, including the remains of a ghost town.

All one-day trips leave from Nob Hill at 8 a.m. unless otherwise specified, it was announced by Dorris Hankins (5112), club secretary.

J. A. Schatz Speaks To Petroleum Club

J. A. Schatz (5126) presented a talk Tuesday to the Geology Section of the Albuquerque Petroleum Club on the orbits of satellites. Mr. Schatz gave the results of a study he performed after the first Russian announcement of the Sputnik and continued through the loss of Explorer II. He discussed the mathematical formulas used to predict the orbits of the satellites.

Noted Writer, Skier To Show Skiing Film

John Jay, noted skier, photographer, lecturer and writer, will show a film, "Great White World," at the Albuquerque High School auditorium at 8:15 p.m., Apr. 3.

Mr. Jay's appearance here, sponsored by the Albuquerque Ski Club, is open to the public, it was announced by Art Lawrence (1614), president of the club.

Tickets, at \$1.50 for adults and \$1.00 for children 12 and under, are on sale at local sporting goods stores and available from ski club members and at the auditorium.

CARE Tells Employees Where Christmas Money Was Spent

Organization 5120 has been notified by CARE headquarters in New York that money raised by department personnel last Christmas was used to send 30 food packages to six countries.

The organization raised a total of \$70, of which \$40 was given to local agencies for distribution to needy families and the remainder was sent to CARE.

Countries to which food packages were sent are Greece, Colombia, India, Israel, Italy and Pakistan.

The money was collected by Zelma Beisinger (5126) and the funds were administered by Marjorie Endres (5125) and Kitty Weston (5126).

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

CLASSIFIED ADVERTISING

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

RULES

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

FOR SALE

'39 CHEVROLET, 2-door sedan, still mobile, 1958 plates, \$50. Fears, AL 6-3956, 8511 Central East.

RABBIT HUTCHES, one four-compartment, \$7.50; one six compartment, \$10. Garrison, DI 4-2023, after 5:45 p.m., 224 Vineyard Rd. NW.

PA SYSTEM, mobile or 110 unit complete w/record player, microphone, horn; also stage microphone w/stand, transformer. Will trade; Holstrom, DI 4-5216.

CENTRIFUGAL PUMP w/3/4 hp electric motor, \$45; paint sprayer outfit w/3/4 hp electric motor, \$25. Toya, DI 4-2775, 105 El Pueblo NW.

WASHER, Easy Spindrier, w/automatic spin rinse, \$40. Laskar, AX 9-1024.

'49 FORD, 2-door, V-8, white side wall tires, 1958 license tag, heater, best offer. Heath, AL 5-5418.

'58 FORD, Fairlane 500 Club Vantage, list \$3540, will sell for \$2685, assume payments, pay \$165 for equity. Atkinson, Ext. 43162.

HIGH COMPRESSION heads, Edmund's, for '49 to '53 Ford or Mercury, \$30. Anderson, AX 9-4518.

FENCE, ranch type, eleven 10 ft. sections w/cedar post and gate, \$45. Neiman, Ext. 4-0172 3136-39 Place Sandia Base.

STEEL CASEMENT window, complete w/screens, glass area 52x37"; 16 in. hand lawn mower, w/new grass catcher, reasonable. O'Trimble, AX 9-5168.

DOUBLE BED w/box spring, innerspring mattress, upholstered bookcase head-board, \$50. Gray, AL 6-1560.

CUSHMAN SCOOTER, recently overhauled at dealers, windshield, '58 plates, full size Schwinn bicycle, deluxe model, \$35. Chandler, Ext. 41159, 4416 Palo Duro NE.

8mm MOVIE outfit, 750W projector, wide angle lens, camera, telephoto lens, screen, etc. \$125; old Winchester movie films. Lane, AX 9-4376.

SEWING MACHINE, Singer featherweight portable. Draper, DI 4-2743.

FORD TRUCK, 1931-AA, as is, \$35. Ballentine, AL 5-7374.

POWER MOWER, reel type, \$40. Laskowski, AL 6-2053.

KITCHEN TABLE w/chairs, \$25; iron w/steam attachment, \$5; refrigerator, \$70; electric stove, \$125; golf club \$7.50; car cooler \$7. Alexander, Ext. 49181.

'57 OLDS Super 88, 4-door Holiday, fully equipped, \$2995. White, AX 9-3095.

FEDERAL ENLARGER, 2 1/4 x 3 1/4 w/several negative masks, two lenses, diffusion system, condenser system, \$40. Revel, DI 4-3033.

PORTABLE TYPEWRITER, Royal, \$25. Le-nander, AL 6-0777.

'49 NASH 600, good second car, new tires, battery and regulator, \$250. Calvery, AX 9-1804.

WRINGER TYPE washer, MW, laundry tubs, no reasonable offer refused. Stricker, AL 6-3357.

SOFA BED, chair and occasional chairs. Reinertsen, AL 5-1954.

ROLLAWAY BED w/mattress, 48", \$25; lawn mower, 16", \$6; 8 piece Coronado dinette set, \$25. Miller, AL 6-2245.

'53 CHEVROLET, Bel-Air, 4-door, R&H, Powerglide, new tires, clean. Whitmer, DI 4-1859.

RADIO PHONOGRAPH, Magnavox, nice cabinet, needs new changer, \$35. Smith, DI 4-0126, 1018 Aztec NW.

UPRIGHT PIANO, mahogany, \$35 down payment. Haley, DI 4-3919 after 6.

'52 PLYMOUTH station wagon, 2-door, heater, \$300 or best offer; '52 DeSoto, 4-door, R&H, \$200 or best offer. Bright, DI 4-4574 after 5.

'57 RENAULT, Dauphine, R&H, 2-tone paint, 5000 miles, \$1595. Johnson, Ext. 21143, Women's Dorm, Rm. 18.

AIRCRAFT, Stinson station wagon 200hr. SMOH, hangared at West Mesa Airport. Alhorn, Ext. 2-2132.

DITCHER, Jaw Hawck, 9'x4', \$400. Zigler, AL 6-1227.

TRAILER HOME, 1955 two bedroom. Beery, AL 5-8305.

ELECTRIC STOVE, '57 model used 10 months, automatic timer, 7 speed lids, 30" wide, make offer. Davis, DI 4-8346, 3906 Comanche NE.

COFFEE TABLE, Victorian style, dark finish. Kochmann, AX 9-5133.

NEXT DEADLINE

FOR SHOPPING CENTER ADS

Friday Noon, Mar. 28

BABY BUGGY, low mileage, Thayer deluxe, \$15. Newman, AL 5-8090.

MOUTON COAT, cleaned and glazed, size 16, \$50. Gustafson, DI 4-2404.

BREAKFAST TABLE, 2 chairs, oak with white paint finish, \$6.50. Morris, CH 3-2637.

NEW FURNITURE, living and dining room suites, twin beds, maple; washer, dryer, freezer, range, dishwasher; relocating. Gonzales, Ext. 31239.

KARMEN GHIA Volkswagen, 1957, all extras, 7000 miles, \$2550. Batsel, AL 6-4990.

CRIB w/mattress, \$10; new twin mattresses, never used, \$25; children's boots, 6 1/2 and 8, \$2 each. Anderson, AX 9-4616.

TRAILER, two wheel, \$20. Eagan, 614 Quincy SE, AL 5-6820.

'49 STUDEBAKER pickup, 1/2 ton, '58 license, \$150. Tant, AL 5-9857, 2737 Sierra Dr. NE.

'51 TRAILER, 2 brm, 33 foot, carpeted, awning, other extras. Fifer, Western Trailer Court, Space 14, 117 Gen. Marshall NE.

HI-FI SPEAKER enclosures, made to order. Stueber, AX 9-2414 after 6.

FURNITURE, refrigerator, 14-foot freezer, washing machine, Shopsmith, handmade dining set, 3 single beds, springs, mattresses, bedroom suite, other. Gwdey, CH 3-8216.

MODIFIED STOCK car chassis, running gears, transmission '32 Ford coupe offset wheels. Pierce, AL 5-7923.

HEADBOARD, 54" mahogany legs. Luckett, AL 6-2346 after 5:30.

'52 DODGE Coronet 2-door, gymomatic, one owner, \$495. Castle, AL 6-2239.

'53 RAMBLER hardtop, R&H, overdrive, construction kit, new WW tires, battery & seat covers, 35,000 miles, \$775. Tanner, Ext. 26193.

DINETTE SET, chrome, 36" x 60" red table, 4 red and grey chairs, almost new, \$50. Vandock, AL 6-2803 after 5.

CAR TOP Carrier, plywood construction, 40" x 63" x 9" deep, ideal for camping equipment. Webb, AL 6-6626 after 6 p.m.

BEAGLE PUPS, AKC registered, 6 weeks old, four males. Woodall, AX 9-6729.

2 BR HOME, SE Heights, sprinklers, patio, HW floors, air conditioning, new FHA commitment, \$11,000. Wiesch, AL 6-7236.

UTILITY TRAILER, heavy duty, 3" steel channel frame, 6 by 8 foot bed, tail light and fitted tarp, \$75. Radigan, Ext. 31287.

TALKING PARROT, Panama w/complete parrot cage, stand, \$75; fancy Mynah bird cage, \$15; car bed, \$6. Robinson, AX 9-0971.

BABY CARRIAGE, folding, can be bassinet or car bed \$17.50; Junior Literary Guild books boys 12-16 90 cents each. Dingman DI 4-1052.

WRIST WATCH Mido Multifort Luxe automatic winding water proof \$30. Strone, AL 6-3469, 4004 Hannett NE.

'57 MOTORCYCLE, 250cc Maico, Miller, Ext. 37282, 3203 30th Place, Apt. B, Sandia Base, after 5.

24" BICYCLE, J. C. Higgins, lightweight w/coaster brake, \$20. McLay, Ext. 24282.

PARTS FOR '57 Metropolitan, wrecking out, including R&H, battery, etc. Kronberger, AL 6-2581 after 5:30, 3121 Alvarado NE.

'56 SCOOTER, Lambretta, w/Buddy seat and windshield, \$200. Goodwin, AL 6-7145 after 5:30, 1860 Georgia NE.

'52 PONTIAC, 4-door, R&H, hydramatic, other accessories, new tires, battery and recent overhaul, \$495 or best offer. Brown, DI 4-3933.

WASHING MACHINE, Kenmore automatic w/suds return, \$25; twin bed springs, \$6; 35mm movie projector, \$10. Fite, AL 5-6943.

SLIDE PROJECTOR, Ampro, 35mm, 300 watt, \$20 or best offer. Atkins, AL 6-0322, 414 Adams NE.

'52 FORD, V-8 Customline, Fordor sedan, R&H, overdrive, reasonable, one owner. Fawver, AX 9-1820, 2705 Parsifal NE.

MOUTON COAT, long, size 16, cleaned and glazed. Walls, AL 6-1718.

STAMP COLLECTION, \$75 value, sell for \$50. Pritchard, AL 6-5667.

GAS RANGE, Kenmore, 40" wide, very clean, not automatic but has timer, \$35. Sherwin, AL 5-8866.

AIR CONDITIONER, 3000 CFM, evaporative, Window type, \$40. Pitti, AL 6-1629.

FLOOR FURNACE, Coleman automatic, 50,000 BTU, \$50. Melegan, AL 6-7517.

SERTA MATTRESSES, 2 box springs, steel Hollywood twin frames, pink and grey covers, \$100. Brian, AL 5-7720 before 10:30 a.m.

DIVAN AND CHAIR, modern, divan black and white; chair, persimmon; extra large. Gallagher, AL 6-6754.

LAWN MOWER, rubber tires, \$10. Homer, AL 6-4622.

'55 PONTIAC, R&H, standard transmission, new tires, consider older car in trade. Negaard, AL 6-0251, after 5:30 p.m.

'50 PLYMOUTH parts: glass for doors, \$2.50 each; tires and tubes \$15 each; spot light, \$15. Foy, CH 3-6244 3400 Cypress Dr. SW.

PARTS FOR '53 or '54 Plymouth, fender skirts, chrome headlight rims, door handle protector, \$15 all. Perea, CH 3-7316.

FENDER SKIRTS, '49 thru '52 Pontiac; 2 new windshield washer sets; '58 Pontiac rear view mirror, sell separately or together. Feldman, DI 4-6114.

'53 CHEVROLET, Bel-Air, four-door, Powerglide, power steering, \$675. Johnson, AL 6-0967.

3 BRM HOME and den, sprinklers, wall, patio, air conditioned, carpet and drapes, \$15,500. Dove, AL 5-8169, 417 Tulane Dr. SE.

'55 PLYMOUTH, 27,000 actual miles. Fjelseth, 3225-H 34th St., Sandia Base, Ext. 20298.

WANTED

DISC HARROW, side mower, dump rake, 3/4 ton flat bed truck, 1950 or earlier, McMullen, CH 3-7825.

CABINET or chest suitable for Hi Fi components. Hayes, Ext. 25170.

BABY SITTING evenings and weekends; angora or parti-angora kitten. Johnson, AX 9-1893.

TO TRADE \$1,200 equity in 41 foot 1958 "Fleetwood" house trailer for equity in NE or SE house, 2 or 3 bedroom. Turnbough, AX 9-3631.

USED BABY BED. Prawitz, AL 6-6497, 1837 Indiana NE.

OLD CAP and ball revolvers, flintlock pistols, will pay cash, private collector. Smitha AX 9-1096, 8607 Menaul NE.

WANT TO BUY Jungle Gym, slide, merry-go-round, other playground equipment for Los Lunas Mental Hospital. Will accept donations. Abeyta, AL 5-5369.

RESPONSIBLE LADY to share apartment, \$45 month, private room, kitchen, living room and private line telephone. Anaya, AL 5-2120.

PRIVATE TUTORING in mathematics science and other elementary or secondary school subjects. Warnick, CH 2-5415.

CARE FOR elderly ladies in my home, excellent food and care, licensed. Howell, DI 4-3838.



EASTER SEAL GIRL Beverly Taylor accepts donation for the New Mexico Society for Crippled Children and Adults from Tom Lane (1261). Tom and other members of the Albuquerque Sports Car Club distributed 500 collection cans to local businesses. The Sandia Corporation Employee Contribution Plan is giving 4.1 per cent of its fund to the society, or approximately \$4,100, of which more than \$1,300 has been donated since the plan started.

Two-Part Program Planned for NMSPE Meeting March 25

A two-part program is planned for the Mar. 25 meeting of the Albuquerque Chapter, New Mexico Society of Professional Engineers.

Leading off the meeting, beginning at 7:45 p.m. in the Hospitality Room of the Southern Union Gas Company, is a talk by Mrs. Viola Hefferan, Albuquerque High School teacher, on the subject, "Albuquerque High's Moon Watch Program."

Her talk will be followed by a panel discussion on the subject, "The American Institute of Electrical Engineer's Proposal for Division of Activities in the Engineering Profession." The discussion will be moderated by Marvin Causey (1282).

The panel will discuss AIEE recommendations that existing professional and technical societies should be modified to allow all professional problems to be handled by the National Society of Professional Engineers, that educational problems be handled by the Engineering Council for Professional Development, and that inter-society technical matters be under the jurisdiction of the Engineering Joint Council.

The meeting is open to all interested persons and no reservations are required.

Tech Writers Panel

Four Sandia Corporation employees will participate in a panel discussion at a meeting of the Albuquerque Chapter, Society of Technical Writers and Editors.

The Panel will discuss "What Could and Should the Local Chapter Do for Its Members." Taking part in the discussion will be Max Linn (7220), Sid Wugalter (7122), Max Weber (5121) and Bill Carstens (7223).

The meeting will begin at 7:30 p.m. Mar. 25 at Reddy's Rendezvous.

J. W. McRae Speaks To Math Association

James W. McRae, President of Sandia Corporation, will be featured speaker at a banquet of the Southwestern Section, Mathematical Association of America Apr. 11.

The banquet, to begin at 7 p.m. at Leonard's Restaurant, is part of a two-day technical meeting of the section. Technical sessions will begin at 2 p.m. Apr. 11 in Room 101 of Mitchell Hall and continue throughout the afternoon. The meeting will conclude with a morning session Apr. 12 beginning at 9 a.m.

Dick Hildner (5122) is president of the section and is chairman of the meeting. Howard Wicke (5126) is in charge of banquet arrangements and reservations can be made by contacting him.

Grammar Class Will Be Taught During Noon

Sandia Corporation Evening School announces a noon-hour class in English grammar and correct usage for secretaries, typists and any other employees who are interested.

The class will be taught by W. F. Carstens and J. L. Fife of the Technical Information Section, 7223-1. Before coming to Sandia both Dr. Carstens and Mr. Fife taught literature and writing at the State University of Iowa and both are now teaching credit courses in writing at the University of New Mexico.

First noon-time class in grammar and correct usage will meet on Mondays, Wednesdays and Fridays from 12:05 to 12:50 p.m. in Room 1, Building 849, beginning Mar. 31, and running for about eight weeks. No tuition fee will be charged. The class will be limited to 25 people. Anyone interested may enroll by calling Marge Newman, 3214, Ext. 52151.

Caravan Club Members Help Host Convention At Santa Fe in June

Amateur Radio Caravan Club of New Mexico will discuss plans Mar. 26 for its participation in the Rocky Mountain Division convention of the American Radio Relay League this summer.

The club has been asked by the Santa Fe Radio Club, hosts for the convention, to arrange and conduct mobile radio activities at the convention, which will be held June 14 and 15.

At 7:30 p.m. Mar. 26 the club will meet "on the air" at 29.6 megacycles for a roll call and proceed to the business meeting at the Radiation Laboratory of Lovelace Clinic. The business meeting will begin at 8 p.m., it was announced by Brian Ward (1262), club secretary.

AOA Annual Meeting Planned for April 3

The Albuquerque Post, American Ordnance Association, will hold its annual meeting Apr. 3 beginning at 7:30 p.m. in the conference room of Lytle Engineering and Manufacturing Co., 1404 San Mateo NE.

Included on the agenda will be election of officers and a discussion of a change in terms of office.

Meteorologist Speaks

Albuquerque Chapter of the American Meteorological Society will have as its speaker Mar. 21 Conrad Mook of the Diamond Ordnance Fuze Laboratory in Washington, D. C.

Mr. Mook will discuss density variations in the atmosphere. The meeting will begin at 7:30 p.m. in Room 253 of the UNM Administration Building.

Efforts to Tame Atomic Fusion To Be Described

American efforts to harness atomic fusion for power will be described when the Council of Technical and Scientific Societies meets at 7:45 p. m. Apr. 7 at the University of New Mexico.

The meeting in Room 122 of the Geology Building, is open to the public.

Louis C. Burkhardt, an experimental physicist with the Los Alamos Scientific Laboratory, will be the speaker. He is one of the pioneers in Project Sherwood—the Atomic Energy Commission's research program into thermonuclear power. He is the co-designer, with Dr. Ralph H. Lovberg, of Columbus S-4, one of Los Alamos' three controlled-fusion devices from which the government recently removed secrecy wraps.

Dr. Burkhardt, a native of Denver, studied at the University of Chicago before joining the Navy during World War II. A graduate of the University of Denver, he participated in the first Perhapsatron fusion experiment in 1952.

In his outline of this nation's fusion techniques he will emphasize the famous "pinch effect" through which hot gasses are confined by their self-magnetic fields.

Two More Papers Added to Sandia Reprint Series

Two technical papers by R. K. Moore (Sandia Consultant) were added to Sandia's reprint series during February.

They are: "Effect of Precipitation on Design of Radio Altimeters," which appeared originally in IRE Transactions on Navigational Electronics, March 1957, and "The Effects of Reflections from Randomly Spaced Discontinuities in Transmission Lines," from the April 1957 IRE Transactions on Microwave Theory and Techniques.



P. R. Brousse

Computing Machinery Association SW Chapter Holds Meeting Here

UNM Math Students To See Corporation Computer Facilities

A tour of computer facilities in B'dg. 880 has been planned the afternoon of Mar. 28 for a group of top mathematics students at the University of New Mexico.

Approximately 30 student members of the New Mexico Alpha Chapter of Kappa Mu Epsilon, national honorary mathematics society, will take part in the tour, which is being arranged by the Test Data Department (5240) and the Public Relations Division (3125).

The students will see what is involved in programming problems for machine computation, typical problems presented for analysis, functions and operation of computers, and data reduction.

New Assignments in ALOO Announced

The Albuquerque Operations Office, AEC, has announced the appointment of Lawrence E. Killion as Chief of the Nuclear Branch, Office of Inspection and Storage Operations, and the promotion of Everett R. Mathews to the post of Branch Chief in the Health and Safety Division.

Mr. Killion, a physicist and veteran of 13 years in the Army and Air Force, was an Air Force major assigned at Field Command, Armed Forces Special Weapons Project, prior to his appointment.

Mr. Mathews was chief chemist in the Health and Safety Branch at the Los Alamos Area Office before joining ALOO in 1955. Prior to his promotion as head of the Health Protection Branch, he was an industrial health engineer in the Health and Safety Division.

Radio Club

The Sandia Base Radio Club has planned its bi-monthly business meeting for 8 p.m. Apr. 8 in the club room on Sandia Base. Speaker for the evening will be announced in the next issue of the Sandia Lab News.



R. L. Helmreich

Two Directors Make Business Visit To Sandia Corporation During Week

Paul R. Brousse, recently appointed to the Sandia Corporation Board of Directors, made his first visit here this week to meet Corporation officials and familiarize himself with the Laboratory's operations.

He was accompanied to Albuquerque by Ralph L. Helmreich, member of the Board and Vice President and General Manager of the Bell Telephone Laboratories.

Mr. Brousse, who is Vice President — Manufacturing, Western Electric Co., replaced Paul A. Gorman, who left WE to become Operating Vice President of the New Jersey Bell Telephone Company.

The new director joined the Bell Telephone Laboratories in 1926 and three years later he was

transferred to Western Electric in New York.

In 1941 Mr. Brousse was transferred to the Kearny Works. From 1946 until 1952 Mr. Brousse served as Manager of the Philadelphia Distributing House and was Western Distribution Manager in charge of distributing houses at Denver, Seattle, San Francisco, Los Angeles and Portland.

Mr. Brousse went to Hawthorne Works in 1952 and the following year he was named Assistant Works Manager. Two years later he was transferred to Western Electric's New York headquarters. He was elected vice president of the Finance Division and a Director of Western Electric Company in 1956 and assumed his present position on Jan. 1, 1958.

Sandia members played host last week to the second meeting of the Southwest Chapter of the Association for Computing Machinery.

The recently-organized chapter has about 20 Corporation employees as members and Don Morrison (5126) handled arrangements for the meeting.

The welcome address at the start of the afternoon session was given by Glenn A. Fowler, Vice-President, Research.

Main speaker at the banquet, held at the Coronado Club, was Dr. Walter F. Bauer, Director, Computation and Data Reduction Center, Space Technology Laboratory, Ramo-Wooldrige Corporation. His topic was "Ultra-datic: A Conjectural Computer."

The Flight Simulation Laboratories at White Sands Proving Ground were represented by A. C. Johnson, who spoke on "Recent Development in Functional Approximations," and Milton Levy, whose talk was entitled "Check Summing without Overflow."

Other topics and speakers at the one-day meeting were: "Maniac II Coding Aids" by members of LASL Group T-7; "Use of Orthonormal Polynomials for Last Squares Approximation of Intermittent Data" by Everett Walter, Department of Mathematics, New Mexico A&M, and "ALGAE: An Experiment in Automatic Coding" by Edward Vorhees, LASL, T-1.

James W. Shinn Retires This Month

James W. Shinn retired this month at Salton Sea Test Base after six and one-half years with Sandia Corporation.

He has been a carpenter in Division 2483.

A native of Pomona, Calif., he and Mrs. Shinn plan to return to their home at 963

Hawthorne Pl. in Pomona. Jim has been in ill health for the past year and intends to take it easy.

The couple has three daughters and a son, Kenneth, who works for Sandia in Albuquerque in Division 7241.

Atom Films on Program For Nuclear Division, Mechanical Engineers

Films on atomic energy will be shown at the Mar. 26 meeting of the Nuclear Engineering Professional Division, New Mexico Section, American Society of Mechanical Engineers.

The meeting will be held at 7:30 p.m. in Room 2 of the UNM Mechanical Engineering Building.

T. L. Tuffnell Dies Here on March 10

Thomas L. Tuffnell, a Western Electric employee for more than 30 years, died suddenly in Albuquerque March 10.

He had been assigned to Sandia Corporation since December 1956 and was supervisor of SA Tube Components Section 2542-3.

In 1927 he joined the Bell Laboratories as a student assistant in submarine telegraph development and eight years later was made a member of the technical staff.

Mr. Tuffnell transferred to Western Electric in New York in 1941 and for the 10 years prior to coming to New Mexico he was an engineer on carrier tubes at the Allentown, Pa., plant.

Survivors include his widow, a son, Bob (employed at Sandia in 2722-2), and a younger son, Alan.



T. L. Tuffnell