Advantages of Investing in Savings Bonds Will Be Stressed During Drive

October 2, 1965

Kicking off the 1966 U. S. Savings Bond drive at Sandia Laboratory is April 26 with a series of 50 percent emergency savings bond programs. Information in the payroll savings plan.

One of 1,603, the interest rates have increased in recent years. The current rate is 3.5 to 4.0 percent. The channel for sales of these funds is through the payroll savings plan. The employee can choose to have his funds deducted from his paychecks. Additionally, the funds continue to earn interest until they are withdrawn. This means the higher federal income tax rate does not apply. Therefore, employees can continue to earn interest on their savings.

Under the payroll savings plan, the employee specifies the amount to be deducted each pay period toward the purchase of bonds. This money is invested in bonds that would otherwise be taxes.

D. H. Morrison (2135) is chairman of Sandia's 1965 Savings Bond Committee. "The payroll savings plan is one of the most effective ways to save for the future," he said. "It is a convenient way to save without incurring any additional tax liability. Employees can choose to have their savings bonds deducted from their paychecks. Additionally, the funds continue to earn interest until they are withdrawn. This means the higher federal income tax rate does not apply. Therefore, employees can continue to earn interest on their savings.

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Editorial Comment

Sandia Safety Shoes for Spring

Summer is coming. Along with things turning green comes the mountain of chores to perform around the yard. And you’ll be moving your lawn all summer.

It’s a good time to buy safety shoes, the best protection your toes can have while on the job or working around the house and yard.

They are vital when using a power mower. Last summer, the LAB NEWS reported an incident where an employee’s toes crossed over his foot. The safety shoe was pretty well chewed up, safety shoes are available. Dress oxfords, loafers, casual pigskin shoes, and high top boots all have protective steel toe. They look good, wear a long time, and they could save you from a serious, painful injury.

The safety shoes come in standard sizes but special sizes can be ordered according to Wayne McCrory of Safety Engineering Division 3211, who has operated the Safety Store since 1959.

What about those who do not wear safety shoes?

Wayne says that any home owner who works around the yard needs the protection of safety shoes.

Visit the store any time during normal working hours, Monday through Friday.

WAYNE McCrory (3211) displays steel-toed line for Spring, now available in the Sandia Safety Store in Bldg. 857.

New AEC Post in Sandia Area Office Filled by H. N. Meyer

Henry Ned Meyer, Jr. has been appointed Assistant Area Manager for Operations in the Atomic Energy Commission’s Sandia Area Office.

The area office administers the Commission’s contract with Sandia for work carried out in Albuquerque, California, and Nevada; and also administers certain Department of Defense support agreements for laboratory assignments.

The position of Assistant Area Manager for Operations was established recently because of new responsibilities assigned to the AEC and Sandia in the space isotopes power program, and also because new instrumentation systems will be developed for space and lunar missions.

Sandia was selected to provide technical direction for the AEC’s rapidly expanding space isotopes program. This year, Sandia’s responsibilities in the program are centered in the recently developed Isotope Power Division 9303.

Mr. Meyer had been Chief of the Nuclear Branch, Quality Assurance Division 9520, in the AEC’s Albuquerque Operations Office since September 1963. Before that he held various positions in the Commission’s technical programs since joining the AEC in July 1948.

A native of Springfield, Mo., he received his BS degree in mechanical engineering from Purdue University. He served in the U.S. Navy, June 1943-February 1946, as an aviation cadet and naval aviator.

WCA Banquet Features Tall Stories, Game Menu

Like to listen to “tall” stories? If so, plan to attend Luis Baquillo on April 14, sponsored by Albuquerque chapter of the Wildlife and Conservation Association (WCA).

Three or four of the top story spinners in the city will be there to tell their best experiences, and the menu will feature barbecued elk, roast buffalo, and mountain trout, according to program chairman Lee Heames (5304).

This is WCA’s main fund-raising event and tickets are available from Sandians Fred Cross, Dick Ziller, Art Arensbold, and Lee Heames, all of whom are WCA officers this year.

The banquet will be held at 7 p.m. at the VPW Hall, 4510 Lomas Blvd. NE.

The group is affiliated with the New Mexico Wildlife and Conservation Association and works closely with the State Game and Fish Department and the National Forest Service in carrying out conservation measures.

Welcome Newcomers

María Barela (3126)

Take A Memo, Please

Take a fresh approach to improving your job. A second look at ordinary items used every day might disclose a hazardous condition.

JTF-2 ‘Target Acquisition’ Tests to Start in June in Arkansas Area

Joint Task Force Two’s ‘Target Acquisition’ Test 4.3 is scheduled to begin about June 1 in a 3500-square-mile test area, south of Ft. Smith, Ark. Personnel of Sandia’s Bureau of Evaluation Division 9201, which provides scientific and technical assistance to Joint Task Force Two, have been in the area several weeks setting up the installing newly-developed Ground Site Instrumentation Package (GSIP) at the largest test area and other instrumentation gear at the missile and target center which will be located in the Mena, Ark.

The first JTF-2 field tests were conducted about a month ago at Tomahawk Range. In the Arkansas tests, the Air Force, Navy, and Marine Corps pilots will receive a briefing, navigate to the target, launch their missiles, and attack, while flying at low altitudes to escape radar detection. At Tomahawk, the Fighter Reconnaissance, and bomber aircraft will carry Sandia-designed instrumentation pods, and C-130 aircraft with additional instrumentation will fly at high altitudes in orbits around the test area recording the environmental and performance parameters of the test aircraft.

The new GSIP stations, however, will record new kinds of data. They will measure, for instance, the first moment the aircraft becomes visible at the target area and the moment when the target should be visible to the pilot of the aircraft. This is done through the use of a microwave radio frequency line-of-sight signal. In addition to this measurement, the GSIP stations will send radar data, measured in feet, to target area. The sky, changes in visibility from the target area to the approach path of the incoming aircraft, and the sky background ratio, and other similar information is all transmitted to the pilot in digital form.

The OHD, developed by Instrumentation Systems Division 9211 and T. A. Biddle, are portable, rugged, and water proofed. They may be used on the ground, in an aircraft, or on a ship.

The OHD can be programmed to record reaction time of ground anti-aircraft missile crews. Some completely new data will also be recorded. The OHD will work with the C-130 instrumentation aircraft operating from Ft. Smith. About 50 Sandians will participate in the test operations.

Conservationists Hear Grand Canyon Briefing

Local members of the Sierra Club and others interested in conservation measures endured a 16-hour bus trip March 30 to spend a few hours discussing the two proposed dams in the Grand Canyon area with representatives and writers from throughout the West.

The 22 Albuquerque residents on the charter bus included Philip Cronin (5623), who arranged the trip, L. G. Holcomb (1314), G. L. Simmons (5626), Virgil E. Crittenden, D. C. Huff (5543), and W. P. Burnam (4543). They were joined at the Grand Canyon's El Tovar Hotel by other conservation supporters from Los Alamos, Creos, Denver, Phoenix, and other western cities.

Some 50 reporters attended the two-day session, under auspices of READER’S Digest magazine, which has an article on the proposed dams in its current March issue.

The Bureau of Reclamation, an agency of the U. S. Department of Interior, has proposed the dams in Marble and Lower Granite Gorge, both on the main stem of the Colorado River between Grand Canyon and Canyon County. The plans are included in the Central Arizona Project, part of the Colorado River Water Plan. However, these two particular structures are intended to generate hydroelectric power rather than to divert water to meets needed oceanic currents of the proposed dams amount to any taming with the natural waters of the Grand Canyon. They also question the cost of maintaining the water power from this means in view of the steady loss of power from fossil fuel or nuclear sources.

PAGE TWO

LAB NEWS

APRIL 8, 1966
Ticket Sales Close
On April 15 for Sandian's Spring Cruise-Dance, May 13
A cruise-dance has been announced by the Employee's Dance Committee at Livermore Laboratory for Friday, May 13. The event is open to Sandians and laboratory employees and their guests.

Included in the evening's activities are a sunset cruise around San Francisco Bay and dancing to the music of Porky Wolff and his orchestra. Refreshments will be available aboard.

The charter boat is scheduled to depart from 1st and Clay Streets, Jack London Square in Oakland at 7:30 p.m. and return to the same dock about 11:30 p.m.

To purchase tickets, contact one of the following employees: Duran Guntrum, Bldg. 911; Mike Ferraro, Dorothy Wienen, or Helen Bend, Bldg. 912; Vivian Lens, Bldg. 912; or Louie Talleri, Bldg. 916. Additional information is posted on Laboratory bulletin boards.

A. W. Jamieson
Named Vice Pres. of Hospital Board
Members of the Board of Trustees of Valley Memorial Hospital have elected W. A. Jamieson (8351) vice president for 1966. The election of new officers was held at the first meeting of the Board following the Hospital corporation's annual election of directors.

Bill, who has been at SCLL since trans- ferring from Albuquerque in 1957, has been serving the hospital in various capacities. He was chairman of the residential campaign committee in his area. Bill moving and driving is a member of a three-man steering committee for the current valley-wide campaign to raise $880,000 toward a $2.2 million expansion program. He has been a member of the Board of Directors for the past two years and last year served as Board treasurer.

Chabot Film Series
Five foreign movies are being offered in the Chabot Film Series which begins at Chabot College in Hayward on April 6.

The series, open to the public without charge, is sponsored by the Students of Chabot College and the College's Community Services Office.

The films remaining to be shown and date are: First on the Plaje (Japan), April 6; Hiroshima Mon Amour (France), April 10; Forbiden Cyprus (France), May 18; The Confessions of Felix Krull (Germany, 1936), June 1.

Chabot College announces that it will enter the Spring Garden Show, "Symphony of Flowers," to be held April 23 to May 1 at the Oakland Exposition Building, Tenth and Fallon Streets, Oakland, from 10 a.m. to 10 p.m. Tickets purchased during this advance sale are $1. Admission charge at the door will be $1.50.

PAGE THREE

LAB NEWS

APRIL 8, 1966

LIVERMORE NEWS

Robert Mason Scores Triple 'First' While Working for Pilot's License

Robert M. Mason (8135) holds the distinction of being the first novice pilot to make his first solo flight from the new Livermore Airport which opened in November. Bob was also the first student to solo in the 1966 Cessna 150 recently acquired by the Flying Particles, LIL, Recreation Association's flying club. Bob is a member of the club.

The usual first-solo ceremony, which involves the traditional rite of untying the solo pilot's shirt-tails, was held at the airport following the flight.

Bob has had two instructors since starting his flying lessons last October. First, Jack Chin, who left the area for a period of time, then R. H. "Red" Royal, an American who lives in Madrid, Spain, but is a San Francisco area resident.

"Both installed a tremendous amount of confidence in me," Bob said, "but the greatest boost came the day after I soloed, when I finally realized what I was doing really meant. That day Red stepped out of the plane and, taking it around. He felt I was flying safely and could continue learning by myself.

"Red has done stunt flying and crop dusting, and has flown as command captain for many major airlines, both domestic and foreign, most recently with Icelandic Airlines. During eight months in 1961, he flew with Balian Campos and Katrina pigeons for the Seven Seas Lines under contract to the United Nations.

"According to Bob, "Flying is a great feeling! During my first solo the only difference seemed to be that the plane was lighter because I was alone, and I could see out of the right window.

"From the time Bob attended Massachusetts Institute of Technology, where he earned his MS degree in electrical engineering, he has wanted to learn to fly. Now with about 28 hours in the air, he is working to qualify for his pilot's license. A total of 40 hours flight time is required as well as supervised cross-country flying. The applicant must also pass a written test in air law, organization, and navigation.

"I'm looking forward to putting in a good deal of flying time," says Bob, "and am also planning several trips after I receive my pilot's license.

"The second student to make his initial solo flight from the new Livermore Airport, and in the Flying Particles plane, was George Darbar (8140).

TRADITIONAL RITE of shirt-tail snipping was performed on the new Livermore Airport honoring Bob Mason (8135), the first novice pilot to take his first solo flight from the airport. From left are airport superintendent Jim Bilaro, instructor E. H. "Red" Royal, Bob, and The Flying Particles president, Jim McEwen.
Two Big Ones Planned

‘Roaring Twenties’ Blast at Club
April 16; ‘Island Cruise’ Set April 30

The Roaring Twenties will be reincarnated Saturday, April 16, at the Coronado Club with a number of surprises planned during the evening’s festivities. Dinner starts at 7 p.m. with sirloin steak headning the menu. All S. McCleary’s Distilled All Stars will be on the dance floor. The Undououchables, a chorus line of Sanado Club women in disguise, will perform the Charleston during the dance show along with a featured act of Dick Jr.’s Whirlers. Even the Club’s Board of Directors will perform—something called the South Chicago Barbershop Quartet.

Reservation needed for this one. Call the Club Office, 314-4661. Cost for members is $3.50, guests $4.

Another big one is planned Saturday, April 16. Called the ‘Island Cruise,’ the event will feature an Island menu of sweet and sour pork, chicken curry, baked banana, and more. Planters punch for all. Dinner starts at 7 p.m. Reservations essential. Admission for members is $3.50, guests $4.

Open House

New look of the Coronado Club, the result of a redecorating project conducted during the past few weeks, will be celebrated Monday, April 11, with an open house for members only. Party will get underway at 7:30 p.m. with complimentary hors d’oeuvres and refreshments at social hour. New paints, new windows, and new decor give the interior of the Club a completely new look. ‘Come on out and see for yourself.’

Social Hour

The Club’s popular Cheesakoon roast beef and dessert buffet will be within the focal point of tonight’s social hour. Cost is $1.75 for adults, $1.00 for children. Jerry Lee will provide the happy music.

Next week’s social hour, will feature the Mexican buffet, and the Luminaires.

On April 22, social hour will be combined with the monthly adult go-go show. Tommy Kelley will provide the music. The seafood buffet will be served. For those with stamina, the go-go shows start at 8:30. No admission charge for members.

Sanado Club Sherry Luncheon
Set at Coronado Club April 12

D. R. Monroe, New Mexico businessmen, author, and lecturer, will be guest speaker at the Sanado Woman’s Club sherry luncheon Tuesday, April 12, at 1:30 p.m. at the Coronado Club.

Mr. Monroe is famous for the kind of wit and wisdom mode popular by the late Will Rogers. Mrs. R. B. Lennon will introduce the speaker, who is past president of the Sanado Club and was program chairman when Mr. Monroe addressed the club several years ago.

Added attraction for the afternoon will be a flower show provided by the club’s garden garden. Mrs. E. B. Patrick is decorations committee chairman.

Mrs. W. S. Hunter, Mrs. N. L. Vineon, and Mrs. J. C. Hart will be door hostesses and Sanado President, Mrs. W. W. Mat- tier, will greet at the door. Mrs. A. J. Fuller, Mrs. D. M. Fuller, and Mrs. P. P. Echols will preside at the sherry table.

Reservations for members and guests should be sent to Mrs. R. S. Brooks, 6013 Shoshone NE.

FLOWER ARRANGEMENT competition will be one of the highlights of the Sanado Sherry Luncheon April 12. Mrs. L. M. Lennon (left), chairman of the Sanado gardening group, and Mrs. E. E. Patrick work on an entry of daffodils.

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Yiddish Play Marks Debut of Buyer-Actor, George Cosden

George Cosden’s introduction to the theatrical world was anything but auspicious. The play had to be postponed once because the language was “old fash’d,” and a second time when it was discovered the new cast consisted of a religious hollier. Half the audience didn’t understand the dialogue, still the play was a sell-out. Broadway producers should be so lucky!

George is an assistant buyer in Purchasing (4371) and his interest in the theater has always been from the audience side of the footlights. However, when the Old Town Studio decided to present a play in Yiddish, George and other members of the local Yiddish Club tried hard to get involved.

The play, “Der Get” (The Divorce), was written by Sholom Aleichem, considered the Jewish Shakespeare. The setting is Poland 230 years ago and the action depends on the traditional Jewish customs of that era. George, who is fluent in Yiddish, was forced into a divorce by his mother-in-law.

“I have spoken Yiddish on and off throughout my life,” said George, “but several members of the cast had only learned the language recently and could not read the written characters. Their parts had to be rewritten in Roman characters.”

“Yiddish is basically a Germanic language which was the common tongue of Jews living in Eastern Europe,” said George. “It is semantically related to Arabic and is traditionally considered Semitic. However, it is now replacing Yiddish as an unofficial language in the conversational language in Israel.”

“The Yiddish Club was organized to help preserve Yiddish and promote Yiddish culture and appreciate the beautiful literature written in Yiddish.”

The director of the play and speaking背后 the club is Mrs. Maurice Rosenthal. The actors represent a wide cross section

Sandra Papers Invited For ACS Carlsbad Meet

Four technical papers by Sandians will be presented during the annual Meeting in Miniature of the American Chemical Society, to be held April 16 in Carlsbad, N. M. The meeting is sponsored by local ACS chapters, and papers are invited from the New Mexico-West Texas area.


Yiddish Drama

The play is titled: “The Get” (Der Get), which is a 13th century Yiddish play. GeorgeCosden explained. "There are about 200 Jewish families in Albuquerque, but few of them have Yiddish backgrounds. Nevertheless, the first play to be given in the city in Yiddish was well received.” George concluded. An English synopsis helped.

Events Calendar

April 8-15-World premiere of John Pet•

Jake's play "It's Been Wonderful," Al•

rench Little Theatre, 224 San Pasqua NE.

April 8-14-Chamber Music concerts, 8:15 p.m., VFW Hall, 4510 Lomas NE.

April 21-27-May 1-John Lally, Hughes Aircraft Co.; E. H. Draper, Sandia Corp; J. B. Kehayias, IBM Corporation; "Breakthroughs in Design"; Margherita Henning, UNM, "The Concepts of Excellence and Equality and Their Implications for American Education." The conference will be held in the New Mexico Union, UNM, with registration beginning at 8 a.m. Fee is $15. Contact T. D. Hattaway (2113), conference chairman, tel. 264-5161, for additional information.

Three Sandians Help Rescue Injured Youth From Enchanted Mesa

Three Sandians participated in the recent overnight rescue of an injured Albu•

querque teen-ager from high up Enchanted Mesa on the Arena Pueblo Reservation. Gary Bobbom (1341), Walter Herrmann (1110), and Pete Shaakes (4242) are members of the Albuquerque Mountain Rescue Council (AMRC), a group of volunteers who have the training, experience, and equipment necessary for search and rescue missions in the rugged mountainous terrain or in adverse weather.

The boy, Robert Balboa, age 15, sustained a back injury when struck by a rolling rock while exploring the cliffs with a friend. His parents living in Corrales, it was 8:30 p.m. before members of AMRC, Santa Fe Police, Laguna Pueblo Police, and Arena Pueblo volunteers started the climb. Gary Bobbom led the group.

The boy was injured about 30 feet off the cliff before the climbers could lower him by ropes and other means. Temperatures dropped down to the mid-20’s. It was 2:30 a.m. before the operation was completed and the boy was en route to an Albuquerque hospital. The Rescue Council was organized in 1965 after a plane crash in the Sandias prompted the need for such a group. It relies heavily on the specialized equipment of individual members, especially that needed for rock climbing and more sophisticated rescues. AMRC does have some specialized rescue gear, such as a Stokes litter which may be disassembled and carried by hand. The AMRC can be mobilized by any responsible federal, state, or local organization when there is a need for its services. The 1966 chairman is Don Minton (1212).

Sandia Authors


G. J. Dillard (6461), "Formal Pet•

Paper to Formalin’s Confidence” August issue, MATHEMATICS MONTHLY.


Take Note

H. E. Marrows, technical information supervisor of Western Electric Co. in New York City, recently toured Sandia facilities to develop story ideas for WE and national publications. Marrows toured Area III, the Science Center, and the new operating room at Balboa Hospital which incorporates the laminar flow clean room principle developed at the Laboratory. He also met with O. M. Stuesten, manager of Chemical Physics Research Department 6140, for a briefing on unclassified research projects.

E. L. Devor (2543), and J. W. Smith, value engineering coordinator for AFC In•

dustries, presented a three-hour value engineering orientation for 25 city depart•

ment heads and engineering personnel on March 24.

The session was requested by the City’s Manager’s office.

D. J. Jenkis (2200) opened the meeting and introduced the speakers.

SDS SECURITY GUARDS under ACS reg•

ulations annually have to pass a modified version of the FBI practical police course. Eugene A. Redi (3242) recently placed all of his shots in the target, an outstanding achievement during qualifying tests.
Neely produced a unique design for a switch, which went into production, and the soldering requirement but there was no production line. The new connector socket from the PT to each of the procedures used, eliminated a time-consuming test before destructive testing. The industry.

In nuclear weapons design and development, much care and effort goes into the design and manufacture of the explosive switch before destructive testing. The contacts met the resistivity requirement and completely eliminated soldering. The contacts met the resistivity requirement and completely eliminated soldering. The switch went into production, and the PT designers then concentrated on the soldering problem. Their solution, which evolved after a series of preliminary designs, was a plastic socket which could quickly "snapped" into a tight closure with the switch's contact pins. The "lens" of the socket, made from beryllium copper and then gold plated, were firmly closed by mechanical pressure as the socket collar was locked into position.

In Albuquerque, a study group was formed four years ago, and eventually two Sandia designers moved to Phoenix to participate in special training. The school began operations in 1964 and was closed in 1969, but it later moved to its present location at 5405 Gibson Street. There are two teachers (each with two assistants) for the children aged 21 to 24 months. Day classes run from 9:30 a.m. to 3:00 p.m. (Tuesday through Friday, September through May).

How does a Montessori school differ from usual nursery schools? "There is a strong appeal to the child's five senses," Marvin said. "We use highly specialized equipment, much of it designed by Dr. Montessori and imported from Holland. The classrooms are carefully designed and contain noed-down furniture. The children are comfortable in their environment." Marvin pointed out, "and they use things that are the right size for them." And perhaps of most importance, the method is designed to foster a child's self-discipline.

"The natural desire to be orderly is a no-regret condition," Marvin said, "and they also learn to do things correctly after practice in this or pouring liquid from a pitcher into a cup and back again.

"In general," Marvin said, "the children learn to cope with the world, whereas the soldering operation required at least 15 minutes to perform.

Needless to say, the manufacturer of the explosive switch was happy with the new socket. A costly bottleneck had been removed from his production line. Safety aspects were improved. And, there was less waste or spoilage waiting ready for the test—savings which were passed on to Sandiana.

Mr. Holcomb and Mr. McNeely were credited with a $204,000 cost improvement action, a comparatively small but significant savings for a two-year period. The big gain for all concerned was the ease and rapidity of the operation and the resulting improvement in delivery of the switches.

Valuable Engineering and Cost Improvement techniques described in 1965 has been reported to the Atomic Energy Commission. The approach emphasizes that all processes are improved.

Sandia Speakers

D. E. Mannion (1115), "Dynamical Behavior of Beryllium," National Academy of Sciences, Materials Advisory Board's Committee on Beryllium Metalurgy, March 25, Washington, D. C.

D. W. Bradway (2412), R. R. Postler (3411), and R. R. Postler (3411), "Ammoniation at the AEC Primary Standards Laboratory," Materials Research Division, AEC Ordinance Association, April 7, Cape Canaveral, Fla.


John Gardner (3421), "Survey of Problems in New Mexico of the Library and Information Center," New Mexico Library Association, April 1, Carlsbad.

J. E. Schiffer (5131), "Ferromagnetic Under Pressure," Solid State Seminar, University of Maryland, March 23, College Park, Md.


R. B. Butler (7325) and Richard Dove (Sandia consultant), "The Survey and Selection of Equipment for Environmental Sciences," April 11-13, San Diego.


LOCAL MONTESSORI OFFICIAL Marvin Moss (5154) visited the school and found his daugh­ters, Janine, 31/2, and Diana, 5, playing with graded cylinders and colored blocks which give youngsters a feeling for the principles of advanced mathematics.

Sandia Parent Actively Supports Montessori Method of Teaching

The Montessori method of teaching is a big mystery to many parents—and three years ago Marvin Moss was one of those parents. In fact, he's never heard of this system of teaching pre-school children which was developed 60 years ago by Dr. Maria Montessori in Rome.

The situation has changed considerably. Mr. Holcomb in Materials Research Division 5114, has two daughters enrolled in the Albuquerque Montessori School and for the past two years he has been president of the nine-member board of the non-profit governing corporation. (Another Sandian, J. Bead Holand, 5223, is vice president.) "It's certainly taken up most of my spare time," Marvin notes.

The parents of 125 children developed a brief urge in the U.S. around the turn of the century but was challenged by enthusiasm for "progressive education" programs. Montessori teaching continued to be popular in Europe and in some cases extends through all grades. In the 1900s there was a renais­sance in the U.S. which has seen, at least 200 schools organized, primarily by par­ent groups. The limiting factor has been the shortage of teachers trained in the Montessori method.

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Sandia Speakers

D. E. Mannion (1115), "Dynamical Behavior of Beryllium," National Academy of Sciences, Materials Advisory Board's Committee on Beryllium Metalurgy, March 25, Washington, D. C.

D. W. Bradway (2412), R. R. Postler (3411), and R. R. Postler (3411), "Ammoniation at the AEC Primary Standards Laboratory," Materials Research Division, AEC Ordinance Association, April 7, Cape Canaveral, Fla.


John Gardner (3421), "Survey of Problems in New Mexico of the Library and Information Center," New Mexico Library Association, April 1, Carlsbad.

J. E. Schiffer (5131), "Ferromagnetic Under Pressure," Solid State Seminar, University of Maryland, March 23, College Park, Md.


R. B. Butler (7325) and Richard Dove (Sandia consultant), "The Survey and Selection of Equipment for Environmental Sciences," April 11-13, San Diego.


LOCAL MONTESSORI OFFICIAL Marvin Moss (5154) visited the school and found his daugh­ters, Janine, 31/2, and Diana, 5, playing with graded cylinders and colored blocks which give youngsters a feeling for the principles of advanced mathematics.

Sandia Parent Actively Supports Montessori Method of Teaching
A summer recreation program for children, ages 7 to 12, of military and civilian parents working on Sandia Base will be operated this year by the Sandia Day School Nursery.

Program will largely follow the pattern established by the successful 1965 summer. The full-day curriculum will include controlled sports activities emphasizing a daily swimming period and providing for softball, gym, basketball, horseshoe, riding, and other suitable athletic programs for boys and girls in this age group. Folk dancing, arts and crafts, and sports clinics will also be scheduled as classroom participation activities along with required rest periods.

This summer program will start June 6 and end Aug. 26. Minimum enrollment charges are $140 per month for one child. Tuition charges are $50 per month for one child.

New Handbook on Planning Conferences Now Available

Sandia employees involved in planning seminars and similar meetings will find a valuable tool prepared by Employees' Training and Education Division 3122 a time-saving aid.

"Planning and Conducting Conferences," the handbook covers step by step procedures for coordinating and conducting conferences, sample formats for forms and worksheets, and checklists for supplies, equipment, and audio visual aids.

Because conferences involve investments of time and money, the details and mechanics of conference procedures must be arranged to insure that the meetings run smoothly and the goals are achieved, according to Mrs. Jean Gillette, who compiled the material for the handbook.

Contents are arranged to cover the planning of major activities encountered in coordinating and running a conference. Special consideration is given to conference rooming, conference facilities and equipment, and techniques jointly sponsored and/or attended by representatives of industry, Atomic Energy Commission, and the Armed Services.

Checklists on conference preplanning for the regional or national committees and conference planning for the local committees are included in the handbook.

The 94-page handbook (RC-46-487) may be obtained by calling the Technical Information Distribution Section 3141-3 on tel. 264-5454.

ASTME Conference Honors E. S. Roth; Tech Papers Given

The forthcoming 1966 ASTME Engineering Conference and Tool Exposition (April 18-22 in Detroit) will include participation by several Sandians. E. S. Roth (2565) will be presented the society's annual Gold Medal Award. This is given for outstanding service through published literature, technical writing, or paper dealing with tool or manufacturing engineering. In addition, Mr. Roth will present a paper entitled "Functioning of Optical Projectors."

Lee S. Betts (2564) will present a technical paper on "The Manufacturing Engineer and Value Engineering." G. L. Martines (2522) will be chairman of a session on "More Uses of Computers as a Tool." During the conference, Mr. Marti• nes will also attend executive committee meetings of the Information Systems subdivision. He is the group's national chairman.

The conference is expected to attract more than 40,000 persons with some 500 companies displaying new equipment during the five-day exposition.

Sympathy

To Julian P. Sanchez (1341) for the death of his father Mar. 19 in Albuquerque.

To Lorna (1130) and Wences Dulen (2454) for the death of Lorna's mother Mar. 11 in Albuquerque.

To James L. Fierman (2555) for the death of his father Mar. 24 in Oklahoma.

To J. M. Hatchett (3222) for the death of his mother Mar. 25 in Albuquerque.

To Elizabeth Balmes (4228/4230) for the death of her mother Mar. 11 in Albuquerque.

To W. D. Huff, Jr. (3411) for the death of his mother Mar. 27 in Springfield, Mo.

To C. K. Hostetter (1413) for the death of his mother Mar. 28 in Pennsylvania.

Every evening at 5:30 p.m. an official ceremony is staged at the parade grounds on Sandia Base. This ceremony may be seen or heard by Sandia Laboratory employees who wish to render the proper courtesy to the national colors and the 900-year-old military custom of the end-of-day "retreat."

Daily retreat ceremony consists of lowering the American flag at the end of the day with appropriate music and respect by civilian and military personnel.

The ceremony starts with the playing of "Retreat," on the last note of which a gun is fired and "To the Color" is played. As the "To the Color" music comes over the loud speakers on the parade grounds and at other locations on the Base, the flag is gently lowered so that it can be caught by one of the military Police color guards on the last note of music.

Civilians personnel on Sandia Base, who are outside a building and within sight of the national colors on the Base flagpole or within hearing distance of the retreat ceremony music, may render the proper respect by facing the flag or mast, standing at attention, and placing the right hand over the heart during the playing of "To the Color." Civilian attired men wearing a hat should hold it over their heart with the right hand. These positions should be maintained until the last note of music.

If in a car you should stop the vehicle, get out, and render the courtesy. In the case of buses, the vehicle should be stopped and one person should get off to render the courtesy while the remaining passengers sit at attention.

The size of the United States flag flying from the Base flagpole during daylight hours varies with the occasion and weather conditions. The Post flag, which measures 10 by 19 feet, is normally flown except on holidays and during inclement weather. The 20 by 38-foot Garrison flag is flown on 19 designated holidays unless weather conditions interfere. The Storm flag, five by nine and a half feet, is flown during stormy and windy weather.

The Military Police Company of the U.S. Army Elements is in charge of retreat ceremony on Sandia Base. Normally three enlisted men and the daily officer conduct the ceremony. When the Garrison flag is flown, this number is increased to 12 enlisted men to properly handle and carry the 760-square-foot Old Glory.

900-Year-Old Military Custom Observed Daily on Sandia Base

A 900-YEAR-OLD CUSTOM is observed daily on Sandia Base when retreat ceremonies are conducted at 5:30 p.m. At the Base flagpole on the parade grounds, Preparing to fold the Post flag after it was lowered are (I to r) Pvt. John G. Heath, Sgt. David S. Pancake, and Pvt. William D. Slaughter, all of the Military Police Company of the U.S. Army Element.

Sandia's Safety Scoreboard

RECENT VISITORS—Accompanying the Atomic Energy Commission's General Advisory Committee on a routine orientation visit to Sandia Laboratory last Tuesday were AEC Commissioner Gerald F. Taup and Bkg, Gen. Delmer L. Crowson, USAE, Director of the AEC's Division of Military Applications. Shown chatting outside of Bldg. 812 after a briefing session was Gen. C. F. C. Furbush, President 5000, Gen. Crowson, Commissioner Taup, and Sandia President S. P. Schwartz.

Sanda's Laboratory: 15 DAYS 525,000 MAN HOURS WITHOUT A DISABLING INJURY

Livemore Laboratory: 97 DAYS 494,600 MAN HOURS WITHOUT A DISABLING INJURY