

GOING UP, the 125-ft. ventilation air stack for the Sandia Engineering Reactor Facility is carefully maneuvered into position by contractor crews. At left is F. D. Kite of Nuclear Facilities and Operating Division 1631. SERF is 55 per cent complete.

125-Ft. Steel Reactor Stack Erected in Area III Recently

A new landmark stands against the New Mexico sky in Sandia Laboratory's Area III. Last week the gleaming silver-painted 125 ft. ventilation air stack for the Sandia Engineering Reactor Facility (SERF) was erected and bolted into place.

Fabricated in California, the steel stack was trucked to Albuquerque in two giant sections. In Area III the sections were welded together and additional support added inside the 6 ft. diameter of the stack.

Two 20 ton cranes were required to hoist the stack into position. A delicate operation, the hoist required two hours of careful manipulation to position the stack.

Lowered onto a circle of giant bolts imbedded in a concrete pad, the stack was then secured into its permanent position.

The stack will exhaust the ventilating air from the reactor facility when it goes into operation. Construction of SERF is about 55 per cent complete.

Sandia Corporation LAB NEWS

ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

VOL. 12, NO. 10

Published every other Friday for the employees of Sandia Corporation, contractor to the Atomic Energy Commission

MAY 13, 1960

Work Progressing on Sandia Exhibit for Armed Forces Day

With the 300 lb. metal ball of the Foucault Pendulum installed in the dome last week and work progressing on the installation of the Project Mercury Space Capsule, Sandia's "Sphere of Science" is readying for Armed Forces Day visitors Saturday, May 21.

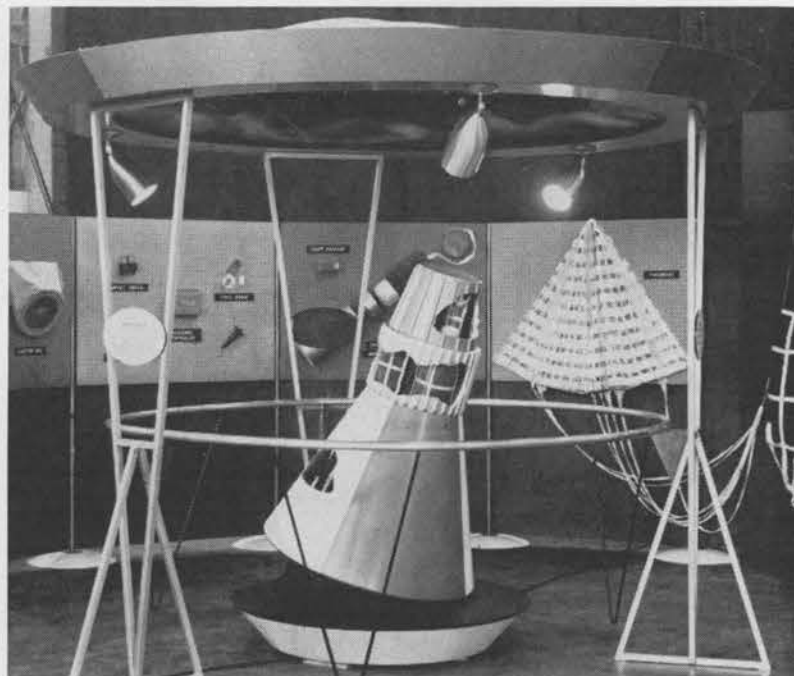
A new exhibit in the geodesic dome, the Foucault Pendulum hangs from the roof of the dome and illustrates graphically the rotation of the earth on its axis. Other new features of the sphere include the space capsule, an expanded mezzanine floor above the main display area to house "Great Moments of Science and Engineering" displays and two 12 ft. color photo-murals of Sandia research activities.

The "Great Moments" displays will be three dimensional scenes portraying historic events such as the building of the Egyptian pyramids, discovery of radium by the Curies, discovery of the color spectrum by Newton and the first flight of the Wright brothers.

The dome is located north of the Motor Pool area. A Butler building extension was moved into place adjoining the dome last week for auxiliary display space and work area. In physical appearance the sphere will look like it did during the 1959 New Mexico State Fair when thousands of visitors streamed through its doors daily.

Sandia is participating in Armed Forces Day in cooperation with Sandia Base and Kirtland Air Force Base. Kirtland will hold its activities during the morning with Sandia Base and Sandia Corporation sharing the afternoon. Military officials are expecting some 40,000 visitors.

The "Sphere of Science" will be



PROJECT MERCURY SPACE CAPSULE exhibit planned for Sandia's "Sphere of Science" display for Armed Forces Day, May 21, will utilize the model shown above. It is an exact half scale duplicate of the actual capsule and was used in the initial presentation in Washington to obtain authorization for the project.

open from 11 a.m. to 5 p.m. Administration of the dome is the responsibility of the Community Relations Section 3431-2 headed by John Leslie.

"Personnel of Plant Engineering and men of the Maintenance and Model Shops," John says, "are doing a fine job in the preparation of the dome and the ex-

hibits."

All Corporation employees are cordially invited to participate in Armed Forces day activities and visit Sandia's exhibit.

The Sphere of Science will continue to be visited on arranged occasions after Armed Forces day by tours of science students and other visitors.

Livermore Lab Evening School to Offer Basic Electronics Course

A 16-week evening course in basic electronics will be offered at Livermore Laboratory beginning June 8, it was announced by Phil Leiserson (8212-2).

The course, which will be limited to 20 students, will include 32 hours of lecture and 32 hours of laboratory work. Conducting the lectures will be Bob Tockey (8123-2), and Bob Dougherty (8141-1) will take charge of the laboratory portion of the course.

Known as Electronics I, the course will be similar to one offered at Sandia Laboratory. It will include introductory coverage of electrical nature of matter, electromotive force, conductors and insulators, electrical units and laws, static and current electricity, power in D.C. circuits and circuit applications.

Classes will be held on Wednesday evenings, with lecture periods from 5 to 7 p.m. and laboratory work from 7 to 9 p.m. Lecture classes will be offered in a conference room in Bldg. 912 and laboratory work will be conducted in the electronics shop in Bldg. 913.

Bob Tockey, instructor of the lecture course, received teaching experience in electrical engineering while at the University of Nebraska. He has been with the Corporation for more than nine years and currently he is supervisor of the Nuclear Support Section (8123-2).

Bob Dougherty, a Sandia employee for the past two years, taught mechanical and electrical engineering for two years as an instructor at the University of Idaho.

The classes are offered on a non-credit basis for the benefit

of employees who require basic knowledge of electronics in the performance of their jobs. No charge will be made for the course, except to cover costs of text books.

Further information may be obtained from Phil Leiserson in Employee Services, Wage and Records Section (8212-2).

Joint Service Relief Drive Trailer Will Visit Sandia, Club

Sandia Laboratory employees will have an opportunity to help the 1960 Joint Service Relief Drive at Sandia and Manzano Bases during the month of May. A float-type trailer is making several appearances at Sandia Corporation and the Coronado Club during the next two weeks.

The trailer display, featuring a 1960 Ford Falcon and a Lambretta scooter which will be given away, will be in front of Bldg. 800 Tuesday, May 17, and Wednesday, May 25, from 11 a.m. to 1:15 p.m. It will be at the Coronado Club Wednesday, May 18, from 11 a.m. to 1:15 p.m.

The drive is to raise funds for support of Army Emergency Relief, Navy Relief Society and Air Force Aid Society.

Tonopah Speaker

Alan Y. Pope, manager of Aerodynamics Department 5140, will be commencement speaker at the Tonopah (Nev.) High School graduation exercises on May 26. His subject will be "The World of Tomorrow."



SANDIA LABORATORY'S SAFETY RECORD, of vital concern to all employees, is a source of nervousness, excitement and mounting anticipation to personnel of Safety Engineering Department 3210. Another two weeks without a lost time accident and Sandia will top the all-time safety record set by an AEC contractor of 11,175,500 man-hours. The

record was made by General Electric, Lockland, Ohio, in 1958. With fingers crossed are D. S. Cone, who keeps the safety signs in the area up to date, and Marge Smith, statistician in the Safety Department. As the Lab News went to press Wednesday, Sandia Lab's safety record stood at 10,715,000 man hours or 299 days without a lost time accident.

Editorial Comment

The Informed Voter

New Mexico's 1960 primary election is history, but the voter of the state has fulfilled only part of his responsibility. He still has the general election of this fall ahead of him — as well as elections of coming years.

It used to be the custom to exhort the citizen vote with these words: "No matter how you vote, vote!" Nowadays that expression has been changed and comes out in a number of ways that all sum up to "be an informed voter." It no longer is considered good citizenship to walk into the voting booth without gaining some certain knowledge beforehand.

Issues of today are so vital that the demand for high caliber representation in our public offices is recognized more than ever. It has always been necessary that we have the highest type of elective official. Today we feel this more than ever.

A special sort of voter radar is necessary to see through the smoke of the campaign. The definition of issues into logical and sensible proportions is difficult because frequently the outlook is obscured by innumerable charges and countercharges which result in easy confusion. It gets to the point where it is difficult to see the forest because of the trees.

Between now and November we all have a big job to do: to learn all we can about the candidates who will be soliciting our support.

The informed voter is the fellow our two-party system depends upon.

Congratulations

Born to:

Mr. and Mrs. Jim Gilbert (3466-1) a son, Ronald Anthony, on Apr. 25.

Mr. and Mrs. Jim Massey a son, James Allen, on Apr. 23. Emmalyn is on leave from Section 3466-1.

Mr. and Mrs. Fred Millsap (5241-4) a daughter, Susan Ellen, on Apr. 23.

Mr. and Mrs. R. H. Barnett (1614-2) a son, Daniel Louis, on Apr. 15.

Mr. and Mrs. F. D. Jones (5211) a daughter, Kathryn Irene, on Apr. 28.

Mr. and Mrs. M. E. Bush (5216) a son, James Edward, on Apr. 25.

Mr. and Mrs. Dick Schreiner (4151) a son, David Conrad, on May 3.

Mr. and Mrs. Paul Cruz (4153) a son on Apr. 28.

Mr. and Mrs. W. R. Atkins (2544) a daughter, Helen Lillian, on May 3.

Mr. and Mrs. David Dean (8141-2) a son, Murray Kent, on Apr. 22.

Mr. and Mrs. Don Benton (8122) a son on Apr. 20.

Mr. and Mrs. James K. Fjelseth (3461-2) a son, James K. Jr., on Apr. 28.

Mr. and Mrs. Daryl Anderson (1432) a daughter, Darcy Lynn, on May 2.

Mr. and Mrs. E. C. Rightley (5143-2) a son, James Edward, on Mar. 31.

Mr. and Mrs. John Wimpling (2713-4) a daughter, Michele Ann, on May 7.

Mr. and Mrs. Thomas K. Smith (2643) a son, Michael Adam, on Apr. 28.

Mr. and Mrs. Leon J. Keck (5256) a daughter, Joan Charlene, on Apr. 28.

Mr. and Mrs. Robert A. Stewart (4224-2) a son, Rodney Alan, on May 6.

Sympathy

To Zachary R. Ortiz (4253-1) for the death of his infant son on Apr. 20.

To Francis L. Shea (4251-2) for the death of his father-in-law in Hutchinson, Kan., Apr. 23.

To Sue Matthews (8234-3) for the death of her mother-in-law in Fresno, Calif., Apr. 20.

To Lurl Ostrander (8231-1) for the death of his father in Bakersfield, Calif., Apr. 28.

Moving Day

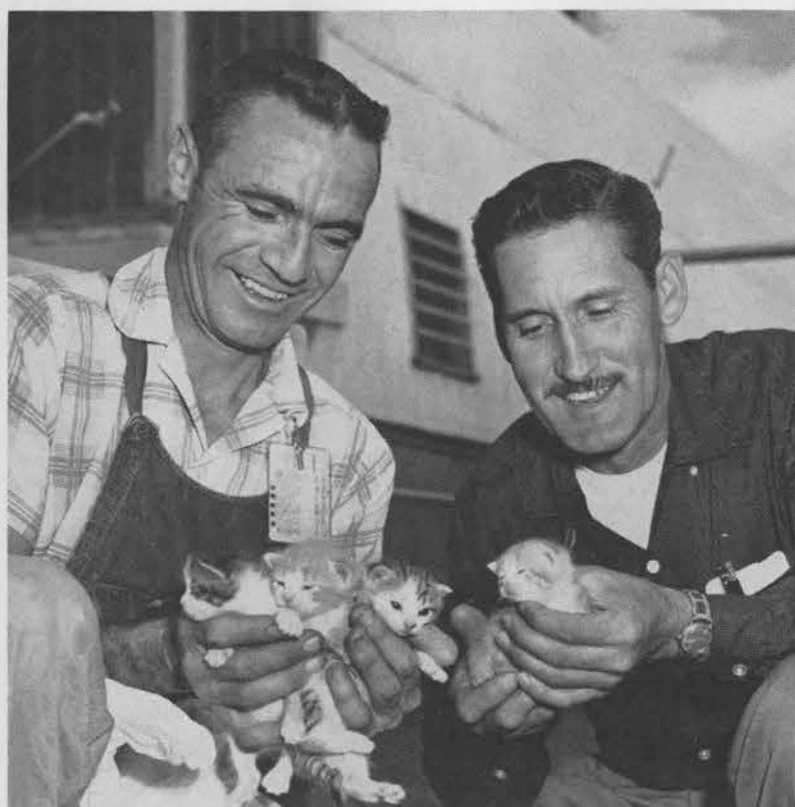
Mr. and Mrs. E. R. Barber (5216) have moved into their new home at 3828 Simms Ave. SE.

Mr. and Mrs. Paul Gammill (1431) have moved into a new home at 10204 Chapala Dr. NE.

New Heirs

Otis V. Short (4251) and his wife have adopted a baby girl whom they have named Darlene June. The baby was born Apr. 22.

A welcome addition to the household of Duane Hughes (4421) is a baby girl, Cynthia Joan.



NO SECURITY CLEARANCE is needed by these kittens—they were born inside the Sandia Tech Area. Foster father Tony Shannon (4253-1) proudly displays Gertrude, Troy and Henrietta, while B. C. Brown (4224-3) holds sleepy orange and white Jesse.

Men of Project Shops Adopt Newborn Kittens Discovered in Tech Area

About a month ago several men from Bldg. 840 were pitching horseshoes during their lunch hour at the pits immediately west of the sheet metal shop, Bldg. T-855. They lifted a manhole cover to see if a shovel could be stored there temporarily and were in for a surprise.

At the bottom of the three foot hole was a greyish mother cat and her four newborn kittens.

Since that time Tony Shannon and Joe Shelby (both 4253-1) have been contributing scraps from their lunch buckets and generally keeping an eye on the kittens. Other horseshoe pitchers have donated sardines and warm milk from thermos bottles to keep the mother cat in A-1 shape.

Two of the kittens are orange with white trim and two are tricolor. As far as it is known, this is the first time kittens have been born inside the Tech Area.

Sandians Elected

The Livermore Toastmasters Club recently paid honor to two Sandians when R. C. Dougherty (8141-1) was elected first vice president and C. A. Tarney (8142-1) was elected second vice president of the organization.

Hot Dog Time

Picnic season has arrived in New Mexico. Division 1432 will hold a picnic on May 21 at Ponderosa Park in the Jemez mountains and Division 1431 will hold its annual outing tomorrow at the Doc Long picnic area in the Sandias.

Social Hour and Buffet Tonight; Club Has Full Calendar For Month

A full evening's entertainment is planned for Coronado Club members and their guests tonight. Social hour, featuring a band, will be held from 4:45 to 6:15. This will be followed by a buffet dinner, \$1.60 per person, with lines open until 8 p.m. Al Hamilton's band will play for dancing from 8 to 12. Cost of the dance is 75 cents for members, \$1.25 for guests.

At the monthly buffet dinner-dance on Saturday, May 21, the dance team of Mike and Shirley will be featured entertainment. The couple will be appearing at the Coronado Club for the fourth time. The young dancers were New Mexico Junior Dance Champions in 1958 and 1959, and both were 1959 trophy winners in the National Sweetheart Ball held at Long Beach, Calif.

Mike and Shirley received their training from Vandapool Dance Academy and have been dancing together for about two years. Mike

is the son of Virginia Haley (4131). The buffet dinner will be held from 6 to 8, entertainment at 8:30, and dancing will start at 9 to the music of Jack Shearing's orchestra. Cost for the entire evening is \$2.60 for members, \$3.60 for guests.

A coming attraction at the Club is the Patio Party on May 28 at which members and their guests can swim, eat and dance. A \$1.25 buffet will be served at 6 p.m. followed by swimming from 7 to 12, and dancing on the patio 8 to 12. Admission for members is 50 cents with a swim ticket, \$1.00 without. Cost for guests is \$1.25.

Picnic for 8152, 8164

A picnic combining the talents and recreation activities of Divisions 8152 and 8164 is planned for Saturday, May 21, at the Marsh Creek Lodge in Clayton, Calif.

Swimming, horseback riding, baseball and games are some of the diversions being offered.

Livermore New Homeowners

John Tanner (8234-3) has moved into his new home at 1243 Via Granada, Livermore. A few blocks away the Bob Tockey's (8123-2) purchased a new house at 928 Via Granada.

Frank Cupps (8233-1) is now settled at 982 Madrone Way, and Gene Lopp (8114-3) bought a new house at 3934 Pestana Way.

The new address for home buyer Mearle Hicks (8141-2) is 4318 Pomona Way, and Glen Brandvoid (8141-1) moved into his new home at 749 Cardinal Drive.

Just completed is Lou Fisher's (8116-2) home located at 2307 Chateau Way.

Rounding out the new homeowners parade is Ivan French (8123-2) who now lives at 896 Via Seville.



MIKE HALEY, 17, and Shirley Werner, 16, will star during entertainment at the monthly buffet dinner-dance at the Coronado Club May 21. The couple has made numerous TV and public appearances since they teamed up two years ago.

Weddings and Engagements

Barbara Levensky was married to John W. Hahn of Albuquerque last Saturday at a morning cere-



Mrs. Hahn

mony in St. Matthew's Episcopal Church. The couple will be at home at 9809 Leyendecker NE.

Barbara works in Division 1442 and has been with Sandia Corporation since last November.

The staff of the Technical Library (3421-1) gave a surprise wedding shower today for co-worker Jean McCain who will become the bride of Robert E. Craven (4413) on June 5.

Jean has worked at Sandia two years and Bob has been here since September 1956.

Sick List

Wishes for a speedy recovery are extended to Julia Bode (1283-3), who is convalescing at home from a recent illness.

Department 2560 hopes for the quick return of D. E. Hurt (2561), who is hospitalized.

Welcome Back

Department 2540 welcomes back Juene Cappuccilli (2543) after an extended illness.

Howard Schmalle (8141-3) was welcomed back to work at Livermore recently after a 15-day illness.

Magician to Perform

Magician Fred Darugh (8152-2) performed for the Tracy Dad's Club recently. Because of the popular reception of his program earlier in the year, the Sandia entertainer was asked to give a repeat performance for members unable to attend previously.



WILLIAM C. CLARK (1615) recently completed a 10-day course on complex vibration testing sponsored by MB Electronics, a division of Tectron Electronics, Inc., in New Haven, Conn. He is shown above receiving his diploma from John Gunnarson (left), MB Gen. Manager.

Boy Scouts Elect

Recent election by Boy Scout Troop 166 found several Sandians in offices or on committees.

Richard Brian (2622) was re-appointed scoutmaster, Howard Romme (4152) will serve as secretary-treasurer, Kenneth Goin (5142) is health and safety committee chairman and D. D. Dollahon (4112) will be advance chairman.

Attends Computer Conference

Don Morrison, supervisor of Computer and Numerical Analysis Division 5126, last week attended the Western Joint Computer Conference held in San Francisco.

8114-3 Picnics

Half Moon Bay beach is the setting for the 8114-3 family picnic being held on Saturday, May 14. Maps will be provided and markers will be set up for those unfamiliar with the location.



Jean Schuster (1631-1)

Take a Memo, Please

Keeping neat can't be beat when it comes to safety—very good housekeeping practices.

Sandia Corporation
LAB NEWS
 ALBUQUERQUE, N. MEX. • LIVERMORE, CALIF.

Office of Publication: Bldg. 829 Public Relations Division 3431, Sandia Laboratory, Albuquerque, N. Mex. Editor: Robert S. Gillespie. Staff: Donald E. Graham, Cherry L. Burns, June Leonard. At Livermore Laboratory, Livermore, Calif., R. A. Dickson, Bob Marks.

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Telephone Sandia Base Alpine 6-4411 Ext. 25253, 26135
 Deadline Friday noon of week prior to publication
 Member Association of Nuclear Editors, Border Council of Industrial Editors and affiliated with International Council of Industrial Editors.

Sandia Staff Summer Program Now Beginning Sixth Season

Sandia Corporation's highly successful Staff Summer Program will enter its sixth year in June when students and faculty members from across the nation begin arriving.

Both groups are given specific assignments in their field of study—science or engineering.

The students at Sandia Laboratory will number 61 this year, 37 of whom already have a Bachelor's degree. In previous years the students for this summer program have been chosen from as many as 700 applicants. In addition, this year interested students were interviewed by Sandia representatives during the regular college recruiting visits. A. C. Harshman (3151-1) made a special trip in November to interview summer candidates.

According to Jack Merillat (3151-1), who has been in charge of the program for the past two years, the main requirement is that the student be at least a senior. "We make an attempt to find candidates of the same type we would like to attract for permanent employment and who, as leaders on their own campuses, would aid in making Sandia known. Since we've had so many interested candidates to choose from, we have ended up with very high scholastic standards," he said.

The popularity of the program is shown by the fact that 20 of this year's students have previously worked at Sandia Lab; of these, seven are returning for their third summer and two students are back for their fourth summer.

Thirty former summer employees have accepted permanent employment at Sandia Lab.

Faculty member employees this summer will include 23 college professors and 10 high school science teachers, according to R. N. Reed (3151-1), who has handled this phase of the program since 1957. "Our recruiters look for those faculty members who should be able to make a good contribution here and at the same time benefit in industry," he explained.

Faculty members who have worked summers at Sandia Laboratory are frequently able to recommend outstanding students for summer or permanent employment.

The 1960 summer faculty organizations in which they will work are:

Edmund D. Ayres, Ohio State University, 1332; Dr. Harold E. Ellithorn, Notre Dame University, 1432; C. E. Bowman, University of Illinois, 1282; Edward Bauer, San Diego State College, 3450; O'Neill J. Burchett, Oklahoma State University, 1630; Franklin K. Deaver, University of Arkansas, 1218; Dr. Harold E. Ellithorn, Notre Dame University, 1432; T. Elssner, University of Illinois, 1282; Walter J. Fahey, Case Institute of Technology, 5132; Dr. Edmund G. Franzak, University of Missouri, 5130; Leland Long, Missouri School of Mines, 2532; Howard McCauley, University of Iowa, 4543; Kenneth G. McDearis, University of New Mexico, 4543; Dr. John R. Mentzer, Pennsylvania State University, 5111; Dr. Russell B. Mesler, University of Kansas, 1232; Dean T. Mook, Virginia Polytechnic Institute, 1282; Richard E. Nix, Virginia Polytechnic Institute, 5230; Dr. Eugene A. Ripberger, University of Texas, 5130; Fred L. Spalder, University of Illinois, 4400; Dr. Robert E. Stephenson, University of Utah, 1520; Dr. Charles E. Stoneking, Georgia Institute of Technology, 1626; Dr. John Wiebelt, Oklahoma State University, 1218, and Dr. Glen Zumwalt, Oklahoma State University, 5140.

High school faculty summer employees from Albuquerque will be: John F. Brady, Jr., St. Pius X, 5231; Dr. E. R. Harrington, Director of Secondary Education, Albuquerque Public Schools, 1310; Robert E. Iden, Sandia, 3361; Robert E. Kyrilach, Sandia, 5224; Frank E. McCulloch, Highland, 1625; Wilbur Maxson, Albuquerque, 3132; Oliver D. Neece, Highland, 1413; Wendell Scarbrough, Sandia, 5242; Mark Wilensky, Highland, 3463, and Joe C. Masters, San Jon, N. Mex., High School, 1424.

Livermore Summer Hire Program Includes 4 Teachers, 6 Students

At Livermore Laboratory four teachers and six college students will convert theory to practice this summer, working on technical projects during school vacation under Sandia's summer hire program.

Victor Remillard and James F. Schon, junior college professors from the City College of San Francisco, will return to Livermore Laboratory for their second summer to work in the Drafting Division under Chet Wolowicz (8114). Both men have been consultants to the Drafting Division since April.

Also returning to Livermore Laboratory for his second summer is Professor William S. Chalk of the University of Washington who will again be working in the Product Control Division (8161) under E. F. Ingledue.

From Livermore high school comes John Jellinghausen, draft-

ing and shop instructor, who will be returning to a summer job in the Drafting Division for the second consecutive year.

Robert E. Williamson, who worked in Division 5513 at Sandia Laboratory under the supervision of Charles Winter last summer, will work in Preliminary Analysis Division (8141). Bob has a Bachelor's degree in mathematics from the University of Arizona and is currently working toward his Master's at the University of California.

Working at Livermore Laboratory for their second summer will be Garth Foster and Arthur Rue. Garth, who has his Bachelor's degree in electrical engineering, will return to the Test Data and Nuclear Support Division (8123). Arthur, who will receive his Master's in electrical engineering in June from the University of California, will return to the Flight Test Division (8122) under the direction of W. A. Little. From 1953 to 1955 Arthur worked full time in the Component Development organization at Sandia Laboratory.

New to Sandia this summer will be Gregory Young, Paul Schoenemann and Keith Banko.

Gregory, who will receive two Bachelor's degrees in June in mathematics and electrical engineering from Oregon State College, will report to R. J. Tockey of the Nuclear Support Section (8123-2) for work on a technical program this summer.

Paul Schoenemann, who received his Master's in electrical engineering from Yale University last year and is currently working on his PhD degree at the University of California, will spend the summer in the Data Center Section (8123-1), reporting to J. H. Burns.

Keith Banko plans to work for S. G. Cain in the Instrument Application Section (8122-3) at Livermore before returning to school this fall. He graduates in June from Oregon State College as first in a class of 81 students. Keith will receive his Bachelor's degree in electrical engineering.

Administering the summer hire program for the second year at Livermore Lab is Marlin Pound (8212-1).



OFFICIAL POSTER for the Valley Memorial Hospital supplementary fund drive at Livermore is given some finishing touches by its designer, Joe McManus, supervisor of the Technical Illustration Section (8114-5). Joe ran off 500 posters in his garage studio.

86 Technical Papers Sent to AEC Information Service

During the last three months, 86 technical papers were sent by Department 3420 to AEC's Technical Information Service Extension at Oak Ridge for the Civilian Application Program.

The papers have been given standard distribution and made available to the public through the Office of Technical Services, Department of Commerce, Washington 25, D. C.

Following is a list of papers not previously reported in the Lab News:

"Graphs of the Hypergeometric O.C. and A.O.Q. Functions for Lot Sizes 10 to 225," C. R. Clark (1442) and L. H. Koopman (5125); "Free-Oscillation Variable-Deflection Dynamic Rig," R. C. Maydew (5142) and J. C. Weyndert (5143); "Tables of the Binomial Distribution Function for Small Values of P," W. H. Robertson (1442); "A Monte Carlo Calculation of the Neutron Flux from a Monoenergetic Point Source in Air," C. R. Mehl (5111); "Protecting Mag-

nesium From Corrosion," V. E. Arnold and S. D. Holmes (both 1621); "Unidirectional Flows in One-Dimensional Magneto-Hydrodynamics," S. Bell (5122); "The Possibilities of Reducing Neutron-Induced Contamination of Underground Bursts," J. R. Banister (5150);

"Programming Fisher's Exact Method of Comparing Two Percentages," W. H. Robertson (1442); "Positional Tolerancing Cuts Scrap Losses," E. S. Roth (2562); "How Temperatures Affects the Measurement of Aluminum," J. C. Moody (2751); "Depth of Indentation on an Impacting Projectile," R. A. Graham (5132);

"Radio Frequency Attenuation Measurements on High Altitude Nuclear Detonation," J. L. Dossey (1262); "A Study of Hypervelocity Facility Requirements for Anticipated Sandia Corporation Testing," R. L. Goin (5142); and "Some Instrumentation Challenges of Space Age Research and Development," J. C. Eckhart (5250).

Softball Season Opens at Sandia; Rain Plagues First Week of Play



R. B. POWELL (3000) officially opens softball season at Sandia by tossing out the first ball. League play started May 2.

With R. B. Powell, vice president, Personnel 3000, tossing the first ball, softball season opened at Sandia Laboratory May 2. Rain plagued the first week of league play and only four games had been played as the Lab News went to press.

In the first game 1200-II made a spectacular last inning rally scoring six runs to defeat 1600 8-7. The 1600 team led 7-2 when 1200-II went to bat.

In the remaining games 4100-4300 defeated 5200-5300 13-8, 1200-I took 4400 8-5 and 1300-1400-6000 downed 4200 7-3.

Baseball fields located southwest of the Sandia Base Gym are used by the Sandia leagues. American league games are played Monday through Thursday evenings on Diamond D. National league games are played Tuesday through Thursday on Diamond C. In both leagues games start at 6:45 and 8:15 p.m.



VISITING SANDIA LABORATORY last week was a group of public information personnel of AEC integrated contractors. The tour was part of the program of an information office. From left are John Clarke, G. E. Pinellas Peninsula, Fla.; J. L. Mayland, AEC South Albuquerque Area Office; Richard Eagle, AEC South Albuquerque Area Office; and Morse Salisbury, Director, Division of Information Services, AEC, Washington, D.C., and Jim Mick (4254-1). In addition to touring the Development Shops in Bldg. 840, the group visited Area III. E. H. Draper, director of Systems Development, briefed the group on "Trends in Weapon Design," prior to laboratory tour.



JEWELLETTE LEAGUE team champions at the Coronado Club this year were (l to r) Shirley McKeever (wife of Charles A. 5313), Barbara Vandenberg (3452), Emily Gilmore (3452) and Frances Manzanares (2221), not available for picture. Team rose from bottom of league last year to occupy top position this year.



CHAMPIONS of the Coronado Club, the Ohio Team of the All States league, are shown above. The team defeated the Pioneers for championship honors in a roll-off last week. From top are Richard Miner (2451-5), Ken Jones (4411-4), Gene Forsythe (2451-5), Ed Newfield (2642) and Jim Reese (2451-5).

Ohio Team Takes Coronado Club Bowling Honors in Final Games

The bowling season was wrapped up at the Coronado Club recently when the Ohio Team of the All States Wednesday night league downed the Pioneers of the Thursday night league for the club championship.

Since last September, some 200 Sandia and AEC employees have competed in four leagues. Winning league teams played in the roll-off for the championship.

In the final match the Ohio team took the first two games from the Pioneers to win Club honors. The Pioneers had downed the Zunis of the Indian league earlier while the champs had defeated the Gophers of the Monday night Jungle league.

Women bowlers competed Tuesday nights in the Jewelette league. The Emeralds defeated seven other teams for the Jewelette championship.

Jack Hansen (4411), member of the Coronado Club Board of Directors, was bowling coordinator of

the club leagues.

A mixed summer bowling league began play last week with four teams organized. Some teams

could still use players. Anyone interested in participating is urged to contact Judy Siede (2533), ext. 32135.



CHAMPS OF THE INDIAN LEAGUE, the Zunis, are shown above. Standing from left are Jerry Thompson (4121), and Frank Graham (4121). Sitting are Charles Mills (4512), Bernie Shea (4121) and Bill Colborne (4122), captain of the winning squad.



Joe Paruta
—bowled perfect game—

Joe Paruta Bowls Perfect 300 Game

Utopia for a bowler was achieved momentarily by Joe Paruta (4135) recently when he bowled a perfect 300 game. Achieving it during official play in the San Mateo Scratch League added an armful of loot.

Joe received \$500 from the Albuquerque Bowling Proprietors Association and a diamond ring from the ABC, national association of bowling clubs.

Joe, whose average is 185, had a 171 in his first game of the evening. His perfect score came in his second game and he rolled 179 in the third game for a 650 total for the series. He established a new record for the highest game ever rolled at San Mateo Lanes in league play.



PIONEERS, champs of the Thursday night Satellite league, are shown above. From left are Bill West (2642-1), Chuck Sullivan (1313-2), Bill Poole (1311-2), Ed Haut (2644-1), Howard Romme (4152-2). Don Edwards (5253) was not available for photo.



WINNING RECORD of the Gophers, champions of the Jungle league, is admired by members standing (l to r) Don Carnicom (2432), Paul Fjelseth (1245), R. O. "Tex" Murdoch (1432), captain, Charlie Barnes (1432). Seated are Chris Schroeder (1621) and Hank Vaiden (1432). Not shown, Gene Schroeder (1432), and Cal Sexton (4412).

Busy Caravan Club Uses Mobile Ham Sets For Service, Civil Defense, Pleasure Projects



READY FOR OPERATION ALERT are these radio amateurs with mobile equipment. (L to R) R. B. Foster (2751), Leon Day (5254) and Jim Stueber (5232) are all members of the Caravan Club.



ROSES are the specialty of Livermore Laboratory gardener Jaime B. Batalla (8222-1), who nurtures some of his own plants along with hundreds of plants and shrubs at Livermore. A nurseryman for 33 years, Jaime has been Livermore gardener for the past year.

Gardener Extraordinary

Jaime Batalla's 33 Years' Experience Helps Beautify Livermore Laboratory

Meet Jaime B. Batalla, gardener at Livermore Laboratory. Jaime, a native Filipino, has been making things grow for the past 33 years.

At Livermore Laboratory, where he has worked for the past year, he reigns over 15,000 ice plants, 40 trees, 800 shrubs and 47,000 square feet of lawn, including a putting green for employee recreation.

Although he doesn't like to commit himself, roses seem to be his favorite flowers. "Every flower has its own beauty," he says, "but roses are very nice." In fact, roses have been his chief concern at most of the nurseries at which he worked before coming to Sandia.

Because of his great interest in roses, he has prevailed upon his supervisor in the Maintenance Division to allow him to plant some of his own roses at Livermore Laboratory. "I would have thrown them away otherwise," he said, "and I hate to waste a pretty flower."

Besides roses, plant budding is his specialty. Like most artisans, he keeps his professional secrets pretty much to himself, but he does admit that there is a trick to proper budding. "The important thing," Jaime said, "is to place the bark of the new stock adjacent to that of the root stock. That way the barks will merge and the plant will grow."

"It is also important," he said, "to make sure that the incision in the root stock is bound tight so that no air or water will penetrate the wound."

Other helpful hints Jaime gives to Livermore gardeners include proper planting, watering, fertilizing and pruning. The best planting season in Livermore, Jaime says,

is in December and January when plants will get plenty of water and won't be burned by the hot sun.

For cultivators of indoor houseplants Jaime cautions that too much or too little water can ruin some plants, such as philodendrons. People with allergies should stay away from African violets; he says, since they produce an irritating pollen. Leaves of rubber plants should never be polished as cleaning will kill the plant.

Jaime applies his "rule of green thumb" at home as well. He and his wife recently put in an entire new garden, complete with citrus trees and flowers of all kinds, including roses. Who does most of the gardening? Jaime answered: "My wife does."

Mention Caravan Club to a stranger and he might have visions of tents or trailers instead of a very active group of radio amateurs with mobile equipment.

Organized nearly 10 years ago, the members have made an effort to combine civic activities with social events.

For example, during May the club's calendar included: May 1, assist State Police in traffic patrol; May 3, 4, 5, take part as members of Civil Defense in Operation Alert; May 21, Caravan Club picnic for club members and their families; May 22, furnish communications for the Cerebral Palsy Telethon; May 25, regular business meeting, Lovelace Radiation Lab, and over the three-day Memorial Day holiday, again assist the State Police.

The members have their radio equipment, operating on 29.6 MCs, installed in their private automobiles. Each Wednesday at 7:30 p.m. members meet "on the air" but attendance is requested at the monthly business meeting.

R. B. Foster (2751), Caravan master known as K5CQH to his fellow radio hams, said the club is seeking more members since the group frequently has requests for assistance and a larger membership would permit more diversified projects.

Frequently on week-ends, and especially during holiday week-ends, members assist the State Police by spotting traffic violators on busy highways. "Sometimes we will have a deputy sheriff in the car with us, other times we have to co-sign the ticket when it is issued by the State Policeman and appear in court," Bob said.

During the test exercise for Operation Alert 1960, conducted by the Office of Civil and Defense Mobilization in early May, 15 private vehicles containing mobile radio equipment and 28 Caravan Club members participated. The first two days they maintained communications between the U.S. Weather Bureau, the State Police and the Civil Defense headquarters at Rio Grande Park. The third day they drove to the emergency dispersal areas at Grants and San Ysidro and set up communications from those points to Albuquerque.

Leon V. Day (5254), emergency Caravan master with the call letters W5LQM, pointed out that equipment need not be elaborate. "We have found you can put just as much time and money as you need or desire in a mobile radio rig. Cost of members' equipment runs anywhere from \$5 to over \$1000," he said.

Although commercial gear is available, most ham operators prefer to assemble their own sets to meet their individual specifications.

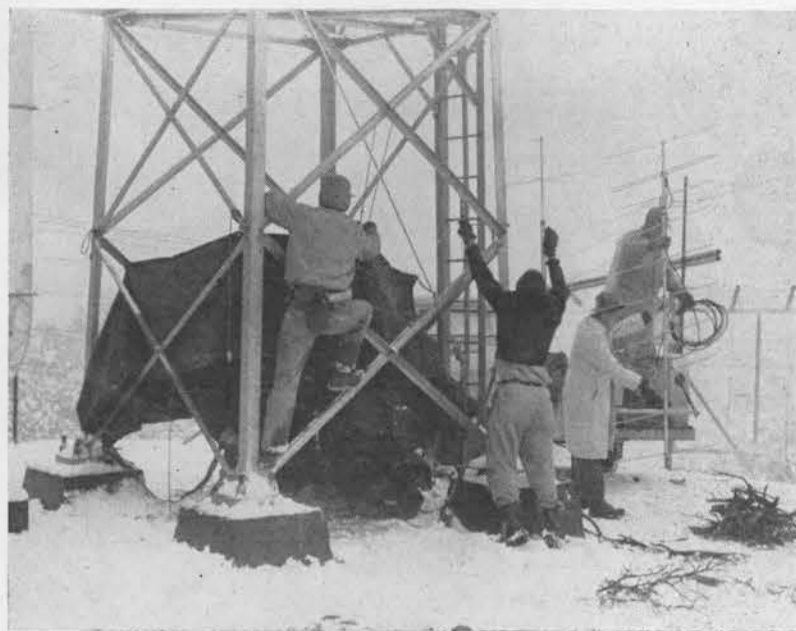
No job is so important and no service is so urgent that we cannot take time to perform our work safely.

Calendar

Scientific and Technical Meetings

- May 17**
Instrument Society of America
UNM, Room 201, EE Bldg.
7:30 p.m.
Speakers:
Dr. Ralph Tripp, Director of Flight Test, Grumman Aircraft Co., Long Island, N. Y.;
National President-elect of ISA
D. B. Shuster, Director of Field Testing, 5200,
whose topic is "Developing Field Testing Trends at Sandia"
For further information contact
J. H. McCutcheon (1322), Ext. 37167
- May 19**
American Society for Metals
Hoyt's Dinner Bell
Social Hour: 6 p.m.
Dinner: 7 p.m.
Entertainment: 8 p.m.
Technical Meeting: 8:30 p.m.
Speaker: Donald J. McPherson, Director, Metals Research, Armour Research Foundation, Illinois Institute of Technology, Chicago
Topic: Physical Metallurgy of Titanium and Zirconium
For reservations contact
Harry Holmes (1621), Ext. 47160
- May 21**
American Ordnance Association
Officers' Club, Kirtland AFB
Social Hour: 6:30 p.m.
Dinner: 7:30 p.m.
Speaker: Capt. W. T. Greenhalgh, USN,
Director, Materiel Control Division,
- Field Command, DASA
Topic: "Geopolitics and the Summit Conference"
For further information and reservations (\$3.25 per person) contact James G. Bain, AL 6-9159. Wives and guests welcome.
- May 21**
Society of Technical Writers and Editors
Sandia Base Officers' Club
Third Annual Banquet
Social Hour: 6 p.m.
Dinner: 6:30 p.m.
Speaker: Admiral W. W. Juvenal, Lytle Corporation
For further information and reservations contact A. P. Lites (5321), Ext. 22161
- Society for Nondestructive Testing
Auditorium, Los Alamos Health Research Laboratory
Dinner Meeting: 6:30 p.m. DST,
Los Alamos Golf Club
Technical Meeting: 8 p.m. DST
Speaker: Hugo L. Libby, Physical Measurements, Instrument Research and Development, H.A.P.O., General Electric Co., Richland, Wash.
Topic: "Broad Band Eddy Current"
For dinner reservations or more information call C. E. Manger, Los Alamos 799, before May 20

This information compiled by the New Mexico Council of Scientific and Technical Societies.



PREPARING A SHELTER, getting ready to erect an antenna, and trying to build a fire were these cold gentlemen who participated in Operation Alert 1960 on top of Parajito Peak in the Jemez Mountains. (L to R): Jim Lareau, Dean Snyder, Ben Raskob and Hub Harrell. Paul Scates took the picture of the RACES in operation.

RACES Team Braves Blizzard to Participate in Operation Alert '60

A blinding snowstorm in the Jemez Mountains didn't prevent several Sandians from participating in the Civil Defense "Operation—1960" test exercise last week. However, the men admit it took them a couple days to thaw out following their expedition.

As members of the Radio Amateur Communication Emergency Service (RACES), the men were responsible for establishing communications with Grants and Moriarty from Pajarito Peak, which is 9640 ft. high.

In the event of disaster, Grants will be the seat of Albuquerque city government, and Moriarty is the evacuation point farthest from Grants.

"From the time we turned off state route 44 onto a private road at 7 a.m., we couldn't see where

we were going and had no idea of our surroundings until we reached the state road again in the afternoon," says Paul Scates (1442), one of the hardy crew.

Using a broadcast frequency of 144 megacycles, the group was successful in setting up contacts with Grants and Moriarty, even though there was an inch of ice on their antenna.

Besides Paul, those participating were J. H. Harrell (1614), James Lareau (1626), R. C. Lindsey (1422), D. K. Snyder (4231) and Ben G. Raskob, Albuquerque businessman.

Having an easy time of it in Moriarty were Dean Yearout (1422) and Bob Foster (1612). Paul Vandenberg (1614) and W. C. Clark (1615) handled the radio communications in the Grants area.

Ray Lewis Wins Second Sandia Golf Tournament

Ray Lewis (2565) copped low net honors with a 62 in the second Sandia Corporation Golf Association tournament held at the Four Hills Country Club last Saturday. In second place was Cliff Hiner (3242) with a 69, while Gene Springer (3451) came in third with a 70.

First in low gross play was Jim Leonard (1247) with a 76, Dick Kidd (2533) was second with a 78, and Bernie Clouse (2632) shot an 80 for third place.

Winning the longest drive contest was Gil Lovato (4233). Jim Cocke (1225) guided his ball 12 ft. from the 175-yard No. 17 hole to take the closest to the hole prize.

Best four ball team was composed of Frank Zack (3362), Walt Troy (3423), Clouse and Lewis who combined their talents to shoot a 51, which is 21 strokes under par.

Second place in that category went to Bill Brooks (5133), Ken Flynn (1264), Glen Guist (4412) and Kidd who ended up with a 57. Jim Cocke was coordinator for the tournament which attracted 76 Sandia employees.

Golf Tournament Will Be Held in Memory Of Frederick Given

The first annual Frederick J. Given Memorial golf tournament will be held at the University of New Mexico golf course May 28. Mr. Given was vice president, Administration, at Sandia Corporation from 1956 until his death June 25, 1959.

A permanent trophy bearing Mr. Given's name will be placed in the display case in the lobby of Bldg. 802, and the winner of each year's tournament will have his name engraved on the cup.

Medalist of this year's tournament will be champion of the 1960 Sandia Corporation Golf Association season. He will receive a miniature replica of the Given trophy.

Sixteen-man flights based on handicaps will be set up, according to Jim Arnold (1612), tournament coordinator. Prizes and trophies will be awarded in each flight.

Any Sandia employee is invited to participate in the tournament, and should send his name to George Banos, Employee Services Representative, 3122, along with a \$2.00 entry fee, by Friday, May 20.

Fifty Surplus Vehicles Will Be Sold by Bid at Livermore May 21

A spot bid sale of more than 50 surplus GSA vehicles will be held at Sandia Corporation's Livermore Laboratory parking lot beginning at 10 a.m., May 21.

Included in the sale will be several passenger sedans, ranging in age from 1952 to 1956 models, carry-alls, pickups, jeeps, buses, stake and platform trucks, truck tractors, semi-trailers, electric trucks, forklifts, panel trucks,

power wagons and ambulances. The sale is open to employees of Sandia Corporation and the general public. All vehicles may be inspected at any time prior to the auction. Vehicles will be sold individually to the highest bidders. Terms of the sale require immediate cash payment on vehicles selling for \$200 or less. A 20 per cent down payment may be made on sales of over \$200 with the balance due in three days.

Coronado Club Pools to Make Opening Splash on May 28

Suntans, sunburns and latest bathing suits will be in evidence when the Coronado Club swimming pools open Saturday, May 28.

Season tickets for Coronado Club members may be obtained at the club office the week of May 23-27 from 10 a.m. until 6 p.m. and thereafter during regular pool hours, 10 a.m. to 6:30 p.m.

Price is \$5.00 for adult members and \$2.50 for members' dependents under 18 years of age. Monthly cost is \$2.00 for adults and \$1.00 for children. Daily rates are 35 cents for both adults and children on weekdays, 50 cents on Saturdays, Sundays and holidays.

Adult guest fee is \$1.00 and children, 50 cents. Members' children six years old and under are admitted free at all times.

Dues must be current and membership card stamped on the back through date of payment and presented at the pool office at time of purchase. Adult dependents may obtain duplicate membership cards at the club office.

Swimming lessons start June 6

Retired Employee Irvin Moore Dies

Funeral services were held April 30 for Irvin Moore, 73, a retired Sandia Corporation employee. He died April 28.



Mr. Moore had been employed here seven years and was supervisor of the Issue Counter Section of Supply Department at the time he retired—June 1, 1956. He was a resident of Albuquerque for 34 years.

Survivors include his widow, a son, two daughters and a step-son.

Jim's 'Gentlest' Honeybees Soothe Wary Neighbors With Sweet Gifts

"I have the gentlest honeybees in Albuquerque," claims Jim Kenagy (4224) about the inhabitants of a corner of his yard.

If the neighbors get skittish about his beehive, a small jar of home grown honey smooths things over.

In the year he has kept the bees, Jim has found them a fascinating hobby. "Many times I'll sit nearby and watch the bees carrying out their various duties," he said.

Right now Jim's hive consists of four "supers." These are the wooden containers which open at the top and contain hanging frames. The frames hold the comb foundation which serves as combination storage bin for nectar and pollen, warehouse for honey, and brooder house for eggs, larvae and young bees.

"With a healthy hive, it's possible for the bees to manufacture 100 lbs. of honey in a week," Jim explained. The "honey flow" with its increased activity of nectar and pollen gathering usually occurs in spring and fall but there's no way to predict when it will start. Even under identical conditions the starting time may vary two or three weeks.

"We thought for sure the honey was ruined last spring. We could see the bees heading for the mesa for about a week and a half and they kept bringing back some rank-smelling stuff. Fortunately the odor disappeared and the honey was extra dark and thick. It tasted fine," Jim said.

So far this spring the fragrant hyacinth blooms attracted great numbers of worker bees but the forsythia bushes were by-passed—no fragrance.

Making honey is only one of the duties carried out by the bees. Some are "assigned" to gather water and food, some are stationed at entryways as guards

for beginners, seven years of age and older, at \$2.00 per person for the four-week course. Half-hour lessons will be given three times a week from 8 to 10 a.m.

Private lessons are for members and dependents only from 6:30 to 8:30 p.m. at \$2.00 per one half-hour of instruction, payable at the club office.

'White Water' Boat Race on Rio Grande Scheduled May 22

Sandia Corporation employees are invited to enter the third annual Rio Grande Boat Race which will be held Sunday, May 22, starting at 1 p.m.

Following a 4.4 mile course of difficult "white water," the racers will put in their boats near Pilar and proceed downstream to the Taos-Rio Arriba County line.

Two classes of only hand-propelled crafts will be allowed to race. These are kayaks and canoes with one or two persons, or inflated-type rubber rafts, rowed or paddled, with one or more persons.

All who enter the race must wear approved life jackets, and all boatmen must have run the course at least once prior to the race due to the hazard.

Registration is required by 12 noon the day of the race, and a \$1.00 entry fee per person will be charged. A token prize will be awarded the winner in each class of craft and each contestant will receive a certificate of participation.

For those interested in watching the boatmen, the entire race is visible from U.S. Highway 64.

To register prior to the race by mail, or for more information contact J. H. Fretwell, 4091 Trinity Drive, Los Alamos, N. Mex.

to keep out robber bees, some care for the queen bee, while still others do housekeeping.

"They have their own air conditioning system," Jim explained. "On hot days you can hear the increased tempo of their wings as the worker bees inside the hive fan the air. When the temperature drops below 50 degrees the bees form a compact cluster in the hive to take advantage of their body heat."

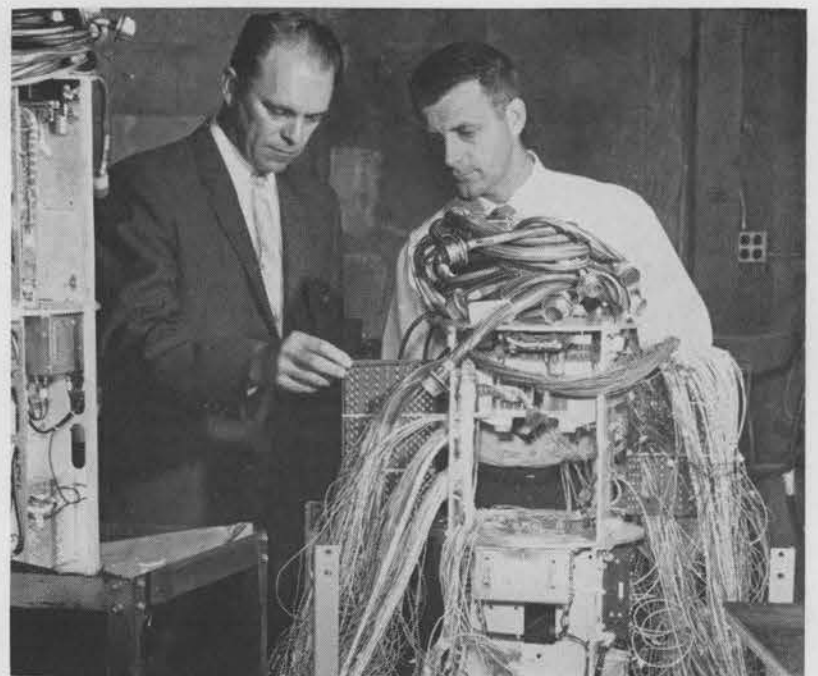
Despite the bees' association with the human race from ancient times, their habits and instincts have not changed. Move slowly and wear protective clothing is the best advice for any beekeeper. Although most beekeepers gradually acquire immunity, a bee sting is always felt.



COUNT THE POTENTIAL bee stings in this photograph! Jim Kenagy lifts frame slowly from beehive to show bees storing nectar.



WORKING TOGETHER, Al Alford (left), supervisor of the Manufacturing and Shop Liaison Section (8234-2), checks Bay Area suppliers with Arnie Lamb, supervisor of the Project Scheduling Section (8234-1), before suggesting to the Purchasing Division sources for a job.



SOLDERER'S NIGHTMARE, a telemetry package manufactured for Sandia's Livermore Laboratory by Land-Air Inc., San Leandro, is checked by Bob Chappell (8234-2), while Land-Air manager Ken Cunningham explains fabrication process. The intricate package has 4000 feet of wire and 2000 soldered connections.

Program Material Control Division 8234 'Rides Herd' on Making Delivery of Parts

Making bits and pieces of atomic weapon hardware provides business for some 120 suppliers in the Bay Area, who manufacture needed items for Sandia Corporation's Livermore Laboratory.

The pieces they make are, for the most part, unclassified, at least until combined with other parts. Together they form experimental nuclear weapon components and test equipment which later may be mass produced by AEC suppliers.

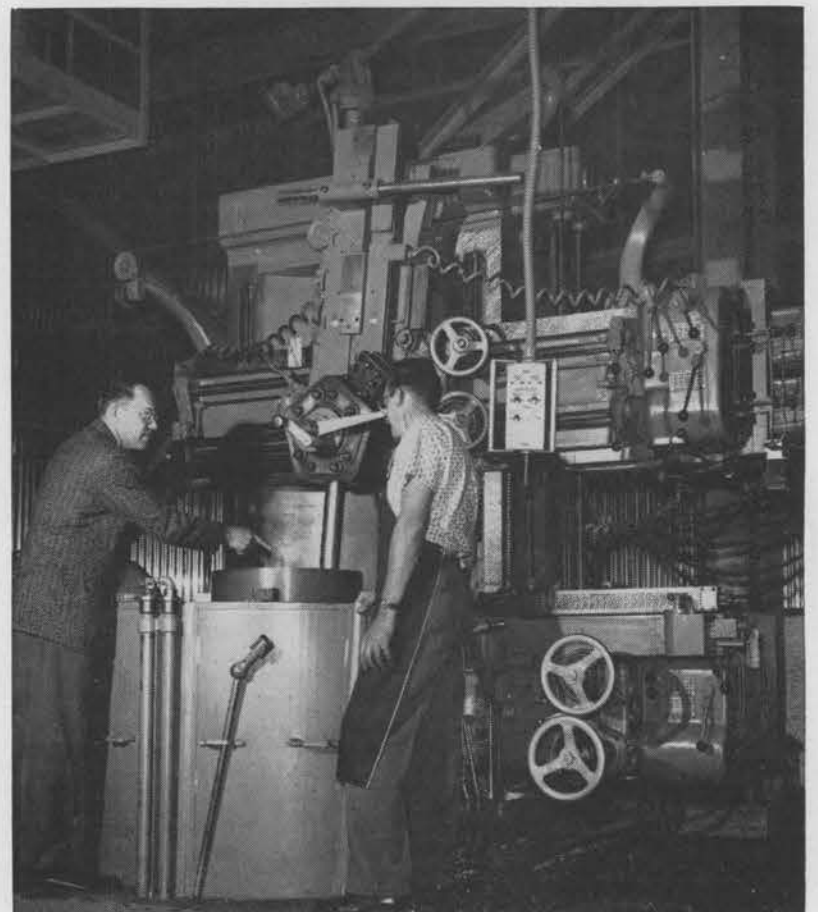
More than 500 parts make up a typical experimental missile warhead, with suppliers in the Bay Area furnishing many of the unclassified components. Other components are provided by sources within the AEC, such as Sandia's model shops at Livermore and Albuquerque, and still others are "off the shelf" items available on the open market.

Right Part, Right Time

Regardless of the source, it is the job of the Program Material Control Division (8234) at Livermore Laboratory to make sure that the engineer at Sandia has the right part at the right time in the development of nuclear weapons.

If the job is unclassified and is to go to a local supplier the Manufacturing and Shop Liaison Section (8234-2), in cooperation with the Purchasing Division (8211), expedites the order.

From the time they write the requisition until the final product is delivered to the engineer, the men of the Manufacturing and Shop Liaison Section ride herd on the job. Coordinating with the Purchasing Division (8211), they write the requisition, survey existing and potential suppliers, and suggest possible sources. Once Purchasing has placed the order, they maintain technical liaison with the suppliers, correcting any



MACHINING PROBLEM at Livermore Laboratory's model shops is discussed by Bob Chappell (8243-2) with Herman Von Steeg of the Machine Shop Section (8223-1). The Manufacturing and Shop Liaison Section (8234-2) schedules all model work in the shop.

difficulties which may arise.

These "Johnnys on the spot" are Bob Chappell, Rocky Roach, Dale Irving, Ben Raiche, and Al Alford, section supervisor. Together they cover some 10,000 miles a month visiting an average of 15 to 20 suppliers daily in the Bay Area. The section operates three radio-equipped vehicles, enabling them to cover emergencies as they arise.

Limited Production

Most of the work produced by these suppliers for Sandia is of limited production, occasionally requiring only one or two of an item. But even in limited quantities, the jobs are of great importance. Many orders are for specially designed test jigs, needed in the evaluation of weapon components. If production of a jig was delayed it could hold up an entire test, resulting in the loss of precious time and money. It's up to the Manufacturing and Shop Liaison Section to see to it that engineers receive their jobs on time.

The men of the section are well versed in mechanical and electrical fields and many times make on the spot decisions to modify a design to aid in its manufacturability. This has been done so successfully that many engineers now seek their advice on fabrication processes.

Schedule Work

In addition to their work with outside suppliers, the section also schedules all work in the model

shops at Livermore Laboratory. Through this arrangement the section can give priority to "hot" items, so that urgent work meets deadlines.

When material is needed from AEC integrated contractors, such as Oak Ridge, Lawrence Radiation Laboratory, and other sources including the component development organization at Sandia Laboratory, the ordering and scheduling is the job of the Project Scheduling Section, headed by Arnie Lamb. Like the Manufacturing and Shop Liaison Section, they too place and follow up on all integrated contractor orders.

They assign a man directly to each project group. It is his job to requisition all materials needed in the development of a particular weapon, maintaining liaison with the Manufacturing and Shop Liaison Section and the Ordering Section (8234-3).

The Ordering Section, headed by P. M. Hennen, Jr., provides support services to the other two sections in the division, as well as assisting in the scheduling of telemetry component tests, flight tests and environmental tests. They too have men placed among the project groups to aid in ordering needed materials for weapon programs. They also requisition all telemetry materials and administer storage of all research and development material at Livermore.



TRAVELING CROSS COUNTRY is no problem for Fritz Hannah (3131) who uses this Tote Gote for mountain trips, and fishing and hunting in places inaccessible to ordinary cars and trucks.

No Hayburner This Mountain Climber But It's Dependable As Pack Horse

Hunters, fishermen and outdoor enthusiasts would find it mighty difficult to load a horse in the back of their station wagons and take off for a pack-in weekend in the wilderness.

Fritz Hannah (3131) has solved this problem with a gasoline powered packhorse.

The chain-driven vehicle weighs 108 pounds, travels at a speed of 10-12 miles per hour, and gets approximately 90-100 miles per gallon. It has a three h.p. engine, and speed is controlled by the throttle on the right handle-grip and by front and rear wheel brakes.

Fritz and his wife each have one of the machines and they often follow horse trails through the Manzano and Sandia Mountains.

Russell, Newberger Win Livermore Lab Golf Tournament

Jim Russell (8161-2) and John Newberger (8142-1) shot their way to victory with a net score of 59 in the Sandia Golf Tournament held April 30 at the Hillview Country Club.

In second place with a net score of 60 were V. K. Gabrielson (8141-3) and V. J. Curran (8234-2). Tied for third place were the teams of W. A. Maupin (8124) and Gordon Bjork (8213-3), C. C. Smith (8211-1) and A. J. Derby (8211-2). Both teams scored a net of 61.

Fourth place winners with net scores of 62 were G. K. Van Gundia (8152-1), C. J. Bachmann (8152-2).

In fifth place with net scores of 63 were the Alford brothers, Ernie (8223-3) and Al (8234-2), Walt Dzigan (8212-1) and E. W. Beck (8115-2).

Tied for sixth place with net scores of 65 were the teams of W. R. Guntrum (8153-1) and G. L. Scholer (8153-2), J. N. Barnhouse (8223-4) and C. D. Holmes (8223-4).

Both G. K. Van Gundia and W. A. Maupin tied for individual low net score, each having a 66. Tournament low gross winner was Walt Dzigan with a score of 79.

A few weeks ago Fritz climbed part of La Luz Trail in the Sandias, but when the snow got up to his knees, he decided not to go any farther.

Elect Sandians To Offices of Library Groups

At the annual joint meeting of the Rio Grande Chapter of Special Libraries Association and the New Mexico Libraries Association three Sandians were elected to offices.



Mrs. Allen

Bertha R. Allen, supervisor of Library Section 3421-1, was elected president of the New Mexico Library Association, Bill Richardson and Mary McClure (both of 3421-1) were elected president and secretary, respectively, of the Rio Grande Chapter of Special Libraries.

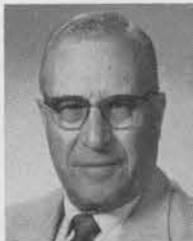
I. F. Chavez Retiring After 5 Years With Sandia Corporation

May 31 will be the last work day at Sandia for I. F. Chavez, who will retire at that time.

Mr. Chavez came to Sandia Corporation in 1953 and worked as a janitor for five years before being transferred to General Stores Division 4614.

After a vacation trip to California, Mr. Chavez plans to follow his hobby of carpentry and continue operating a custom rubber stamp business in his home.

The Chavez' live at 644 Louisiana SE and have eight children and 24 grandchildren.



SELF-SERVICE STOCKROOMS at Sandia save employee's time which results in more economy for the Corporation. John Wood (2422), seated, foreground, looks for a cable clamp while Dave

Sample stands by ready to assist him. At the wire rack Tom Garcia (2711) selects some wire with help of Julian Baca who works in Bldg. 802 stockroom. More than 6500 items are stocked in this area.

Serve-Yourself Stockrooms Prove Efficient, Economical

Five self-service stockrooms, where you can find everything from nylon screws to thermo-delay relays, are located throughout Tech Area I for the convenience of Sandia Corporation employees.

The stockrooms are in Room 202, Bldg. 802; Rooms 134 and 58 in Bldg. 880; Room 110A, Bldg. 892 and in Bldg. 835.

These supply areas were set up to save the time of personnel when an item is immediately required, and are not for quantity orders, says John Cundy, supervisor of Stockroom Section 4611-1. General Stores handles large orders and normal material requests.

When an employee needs an item he "shops" for it by following the neatly labeled shelves, and then signs for the material on a daily withdrawal sheet. Employees in the stockroom are available for assistance if any is needed.

Items which cost more than five dollars or are "sensitive" are kept in secured cabinets, but are available upon request. These are signed out on special withdrawal sheets.

Only Four Rules

"There are only four rules we try to stress in our stockrooms," John says. "These are: don't take more material than needed, don't supply one stockroom by taking material from another, leave a bin card at the sign-out table when stock is low, and sign full name on the withdrawal sheet."

The main job of the Stockroom Section is to provide service to employees and this is done in several ways. "Sometimes we will 'try out' an item on short order to see how widely it is used. If it proves popular, then we can recommend that General Stores stock it," John pointed out.

Excess material can also be turned in to the stockrooms. Requirements are that employees in 4611-1 be notified so they can check to make sure nothing is classified, and so they can have a record of the returned articles.

When an employee can not find a particular item he is looking for, stockroom personnel sometimes refer him to another organization or to an outside source if it is not normally stocked at Sandia.

Planned Stock

The stockrooms are planned so that they meet the needs of the area in which they are located. For instance, Bldg. 892 stockroom has



FOUR RULES have been set up to help the self-service stockroom employees maintain records and keep the supply areas well stocked. Above are Art Jimenez (left) and John Cundy, supervisor of 4611-1.

only stationery, with a few hardware items. In Bldg. 835, small hardware which is used for mock-ups is stocked.

In Bldgs. 802 and 880, where each stockroom carries about 6500 items, many components and parts used in electronic systems are handled, as well as stationery and hardware.

The section set up a mobile stockroom which is used at test sites when necessary. It also has a briefcase service for short period loans to personnel traveling on Corporation business.

Safety Important

Safety precautions are taken in the stockroom area. Flammable materials are locked in a cabinet, the aisles are kept free of stock, and orderliness is stressed at all times.

The most used items are easily accessible, but they're not all grouped together. This avoids congestion in a small area.

"During 1959, we had 333,773 line item issues or 1,823,679 single pieces taken from our stockrooms. There is an average turnover of material four times a year. Last year it cost approximately \$425,000 to stock these rooms," John said.

Men in the Stockroom Section are: Bldg 802, Art Jimenez, Dave Sample, Julian Baca; Bldg. 892, John Lambie; Bldg. 880, Room

134, Joe Comiskey, Carlos Baca and Joe Maestas; and Bldg. 880, Room 58, Jerry Johnson and Tony Skender. Division supervisor is Norman Ollman.

Sandia Satellites Still Helping to Sell Savings Bonds

Sandia savings bond satellites are still "in orbit."

Back in mid-1958, to spark a payroll savings sign-up campaign and a "Share in America" promotion in New Mexico, Sandia's Savings Bond Committee had fabricated a simulated Vanguard-type satellite. The United States Treasury Department borrowed it to exhibit and the demand was so great that Sandia was asked to make another.

From July 1, 1958 to the end of March 1960, number one had been shown from a week to a month at some 40 large trade and industrial conventions, fairs, big department stores and banks as part of a bond exhibit.

Number two since Nov. 1, 1958 had played 30 important dates. Bookings are made through Regional Directors of the U.S. Savings Bonds Division, with Sandia's Public Relations Division coordinating arrangements with the Treasury Department.

Sandia's Safety Record

Sandia Laboratory HAS WORKED 10,715,000 MAN HOURS OR 299 DAYS WITHOUT A DISABLING INJURY

Livermore Laboratory HAS WORKED 3,129,000 MAN HOURS OR 1,545 DAYS WITHOUT A DISABLING INJURY