Sandians Donate Time and Know-How For Vietnam Christmas Movie

The red light went on and the motion picture camera began to record the scene in the living-room of the Grovedom family, Vidalia, N.M., one of the 252 families

The Grovedom family is one of the 252 families

Mr. Maglidt recalled.

get within camera range. The motion picture camera, and handle the sound equipment.

members of his production crew offered their services without pay to produce a film to be shown on military leave from Sandia Laboratories. Nine Sandians contributed their professional know-how as well as hours of their spare time to carry out the project.

The idea originated with Ralph Looney, assistant managing editor of the ALBUQUERQUE TRIBUNE. Pentagon approval was obtained and the stipulation that the film be limited to the families of men in the combat zone (some members of the 150th are serving in Korea). The newspaper provided the 16mm sound black and white film—some five miles of it—and the Motion Picture Section of the Air Force Bomber Weapons Center agreed to process the film.

H. Wilson Maglidt, manager of Photographic Services Department 3450, and members of his production crew offered to refine the families, operate the camera, and handle the sound equipment. R. S. Booth, W. Ht. Hunt, C. W. Weeks, W. M. Hanes, C. W. C. W. E. Harris, W. F. McMahow, R. A. Matthews, and N. R. Moore, Jr. (all of Division 3454), and Mr. Maglidt revolved on these photochreme.

It took the Sandians two hours to photograph the 252 families of one of the unit in Vietnam. The men worked on their own time three evenings a week from 7:15 to 11 p.m., and weekends from 9 a.m. to 4 or 5 p.m., but all were touched by the response of the families to the demands of the project.

One little boy was extremely shy."When the film was developed, Mr. Maglidt recalled, "One little boy was extremely shy. 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Caution and Sense Can Prevent Costly Do-It-Yourself Accidents

"Do-it-yourself" home repairs, improvements and maintenance may very well represent a considerable saving to the individual home owner, but such activity last year cost Sandia Laboratories over $150,-

That is the cost of production days lost in 1967 because of off-the-job injuries, many of them the result of carelessness or misuse of power tools and equipment, ladders, hammers, screwdrivers and a wide range of household items found around the home. In fact, more than 10 percent of time lost due to injuries was the result of off-the-job accidents.

While no one would suggest "do-it-yourself" activities be curtailed, the Safety Education Division 3382 believes that with a little common sense and a lot of caution (both to Sandia and the individual) of off-the-job injuries could be sharply reduced.

A brief look at some recent case histories of injuries sustained by Sandia employees while doing perfectly ordinary things around the home shows how a little common sense or caution could have prevented off-the-job accidents.

One employee lost five days at work after stepping on a nail while building a patio; another spent 10 days at home after hitting himself with an ax: another tripped his foot along with the grass while using an electric edger; and one Sandian, believing he or her not to be out 21 days as a result of a leg fracture incurred while building a "safety guard".

The list goes on and on, and there is the impression that the longer the list the more ordinary the circumstances of the accident—which is precisely the point.

Figures for 1967 show that the most frequent off-the-job injuries are those caused by slips and falls. The second most frequent cause is lifting, unloading or handling light objects such as cinder blocks, trash cans and babies. People somehow manage to fall from trees, porches and ladders in great numbers, and the building activity to be the most dangerous—and the most slippery—innovation since the banana peel.

There is nothing amusing, however, about the physical and psychological toll brought on by such ordinary accidents, and a few have done and are now trying to make a household task from becoming an accident. For instance, be sure that the safety guard is in place when using a power tool, do disconnect the TV before replacing the defective - appearing to undertake strenuous jobs when you are tired or out-of-shape, don't try to lift an object (no matter how light) while in an awkward or out-of-balance position, don't climb a ladder that is not securely fastened, etc.

Finally, a word of warning to those who are trying to improve their physical condition through exercise. Though exercise is good for you, exercise brought on by those not accustomed to it can be dangerous and can bring with it some lasting injury. A few home exercise programs have been around the home in the last several days as a result of fracturing his ankle while exercising. The Ninth Voss employee with a broken foot, Don Daniels, is definitely not for novices.

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Bowhunter Don Alberts Works at Stalking Game, Finds Other Rewards

After 10 years of hunting deer with a bow and only making one kill, Don Alberts (3134) is still enthusiastic about the sport.

"It's not whether you bring one home," he says, "it's how you play the game—or something." For the past month, Don has been playing the game after work and on weekends high in the Sandias and Jemez. Don lives near San Antonio in the Sandias and if (and if he has time) he can make it home, change into his camouflage gear, grab the bow and quiver, and set into position for one shot before dark.

Last week he almost got it.

"I had this deer trail to a waterhole all staked out," he says. "I got there before dark and settled in to wait. My mistake was sitting down. All of a sudden there was one of the biggest bucks I've seen coming down the trail less than 20 yards away. I didn't hear him coming as I was surprised. Anyway, I decided to try for a shot without standing up. Well, metal, I missed him by about a foot." Don uses a light hunting bow and steel tipped broadband hunting arrows. Using a bow, the hunter has to "be close to the deer to fumigate a kill. For Don, this is the challenge."

It means obtaining an intimate knowledge of terrain and the habits of the game. It means waiting quietly at the proper place. And it means spending a lot of time in the mountains.

For extended hunting trips, Don takes a couple of ducks and loaded with camping gear. In the high country, the barson mean the difference between a luxurious camp or a Spartan one. "They also let me yell a lot," Don says. "Burros are not known for their cooperation. Besides, I can always blame my missed shots on them." For some of these trips, Tom Rhinehardt (3344), Don's hunting partner, and Herb Jewett (4232) join in the bowhunting.

The Sandians agree that this kind of hunting gives the deer a little better chance, makes it more stimulating somehow.

Don Alberts hopes that someday his bowhunting should be a little smarter than the deer, I just have to find some dumber deer."

Whistle Stop Man

Referee Needs Thick Skin, Stout Heart

Pity the poor referee! Everyone yells at him, nobody appreciates him and, according to the fans, he never does anything right. He is a most unhappy man.

Only Dragons Should Smoke

Cigarette smokers are estimated to have a 70 percent higher risk of early death from heart disease than do nonsmokers, according to the American Heart Association reports. The young, the old, the in-between, the sophisticated, the simple, smokers smoked, the higher the risk.

Eighteen million Americans have already smoked cigarettes, according to the latest National Health Survey. Their risk of heart attack will soon drop to the level of nonsmokers, the American Heart Association says.

TOM TOWNE (3133) may spend his weekends being booed by fans but he figures the gulf is worth it. Tom, an enthusiastic promoter of high school athletics, dotes football and basketball.
Sandian Appointed to Governor's Atomic Energy Advisory Council

Bruce J. Held of Engineering and Health and Medical Services Division 215 has been appointed by Governor Reagan to serve a two-year term as a member of the Governor's Advisory Council on Atomic Energy and Radiation Protection. The Council was established by the California Legislature in 1959 to advise the Governor and the Legislature on state-related aspects of nuclear energy. Its membership includes representatives from 11 government, professional and industrial organizations located throughout the state of California.

Before joining Sandia Laboratories Livermore in June 1969, Bruce worked for 11 years as an Industrial hygienist in AEC installations and private industry. He is a member of the American Industrial Hygiene Association, the Health Physics Society and the national honorary scientific Research Society of America. Several of his articles have been published in the AMERICAN INDUSTRIAL HYGIENE ASSOCIATION JOURNAL. In 1967, he was appointed Regional Coordinator - Western States of the American Industrial Hygiene Association.

Sandian Honored with Analytical Chemistry Award

David R. Fielder of Material Science Division 613 was a recent winner of an Undergraduate Award in analytical chemistry. Sponsored by the American Chemical Society's Division of Analytical Chemistry, the national award is given to outstanding undergraduates in recognition of their scholastic achievements as well as their exceptional interest and aptitude for analytical chemistry. Announcement of the award was published in the October 1969 issue of ANALYTICAL CHEMISTRY.

Dave joined Sandia Laboratories Livermore last month after receiving his Bachelor of Science degree in chemistry (with honors) from the University of Washington in Seattle.

Construction Begins on Underground Computer Facility at Livermore

When completed, the new facility will house three machines — a Control Data Corporation (CDC) 6600 computer as temporary housed in Bldg. 912 that will be used to perform scientific calculations in support of the Laboratories' research and development efforts; a CDC 3600 computer for processing engineering support data, and an IBM 1401 computer for providing input/output information. In addition, all data preparation equipment such as keypunches and Electronic Accounting Machines (recorders, collators, interpreters) will be housed in the facility. Study areas with keypunch equipment have been planned for programmers, and storage space has been allocated for magnetic tape storage and other purposes. An elevator will provide access between the computer facility and the first and second floors of Bldg. 912.

Plans for the top surface (ground level) of the facility include a courtyard which employees can use for noontime activities.

Take Note

Mt. Diablo Subsection of the San Francisco American Society of Mechanical Engineers (ASME) will hold its November meeting on the 23rd at Harry's Restaurant in Pleasanton. John P. Ford, supervisor of Division 231 at Sandia Laboratories Albuquerque, will speak on "Radiation." He will present an introduction to the radioactive theory, discuss geometric features, applications, manufacturing techniques, and Sandia's role in applying the principles of radiation. He will also have radiometric models on display.

Noontime hours begin at 6 p.m. followed by dinner and the meeting at 7. For reservations or further information, contact Louis Taliercio (8515) ext. 2524.

J. P. McManus, supervisor of Technical Art Section 623-2, recently spoke to a group of teachers and administrators at the Livermore High School. In his talk, "Art in Industry," he described industrial art and other graphic arts. The talk also provided guidelines for a business or industrial art course in a high school curriculum.

P. J. (Jerry) Maloney, supervisor of Environmental Test Division 8128, was guest speaker at a recent meeting of the Rotary Club in Pleasanton. He discussed "Environmental Testing at Sandia," and included in his presentation the showing of a related film.

T. R. O'Keefe of Safety Engineering Division 6355 spoke at the Explosives Safety Planning Conference, an annual meeting of safety engineers in the AEC/ALCO complex, at Mound Laboratory, in Miami, Ohio. He discussed "Department of Transportation Regulations for Shipping Explosives and Other Hazardous Materials."

Group programs offered by Chabot College Planetarium free of charge may be of interest to employees who are members of community organizations. Any of the regularly scheduled programs for students or the current monthly evening programs are available. Reservations to attend a Planetarium program as a group may be made through the Community Services Office at the College, 782-3000, ext. 415.

CERTIFICATE OF RECOGNITION—C. H. DeSelm (8200) and receptionist Ruth Bauman (8212) adjust the certificate of recognition received recently by Sandia Laboratories Livermore for its participation and support in the 1968 Youth Opportunity Campaign. The certificate is signed by President Johnson and Vice President Humphrey and was accompanied by a letter of appreciation from the Mayor of Livermore.

LIVERMORE NEWS

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ARTIST'S CONCEPT of underground computer facility under construction at Sandia Laboratories Livermore shows relocation of equipment after site is completed in November 1969. The new facility will house three computers—CDC 6600 and 3600, and an IBM 1401.
Nowadays abstract art is pervasive. It decorates homes, hangs in museums and adds color to schools, restaurants and offices. No one questions it anymore or wonders what it is. It hangs in museums and adds color to schools, restaurants and offices for different reasons. No one questions it anymore or wonders what it is.

In a research and development laboratory art is not even considered, says Franklin Stevens, IBM Corporation.

"Most people involved in research and development are not art conscious, nor do they care about art. They are interested in what the world is like now and what it will become in the future. They are interested in what is going to happen in the next five to ten years. They are interested in the world of tomorrow."

"In my opinion, art is a highly artificial medium. It is an intellectual exercise where people are asked to tell another person what they think. When people are asked to tell another person what they think, they usually are asking someone to do something for them."

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Ed J. Haut

Ears Certificate in Tech Institute Program

Ed J. Haut, a staff assistant in Components Program, Division 7634, recently received a certificate for securing the equivalent of a technical institute degree in Sandia's out-of-hours education program.

He completed all 12 courses in the industrial technology curriculum. He started taking courses in 1961 when the curriculum was first available as an evening program.

Accidental Poisoning

It has been estimated that from 400,000 to 2,000,000 American children accidentally ingest toxic materials every year. Of this total number approximately 15 children die under the age of five die as the result of such ingestion. During the past two years 15 children have died in New Mexico from accidental poisoning, while hundreds of other children survived, but suffered temporary, if not permanent damage. All of these children were at the inquisitive age when nearly everything that can be reached enters the mouth. Of course, at this age children don't know whether or not they have developed any judgment.

However, this problem is not limited to children. Total deaths from accidental poisoning in New Mexico during 1966 were 29, and during 1957 were 21. Thus, the family that is aware of the danger and takes necessary measures to prevent carelessness to any poisonous substance controlled by the family of all ages.

From reports submitted by the National Committee on Poisoning, 90 percent of the cases involving children under the age of five are products that are kept in or around the house. Of these cases approximately half of the children ingested medicines, and the other half took household products. Of the number of children ingesting medicines about 50 percent were boys, and 50 percent girls.

The best advice is to store household products not made to be ingested out of the reach and sight of children, and to return them to their storage place immediately after use. Store medicines and medications in such a way that no child may ever reach them, preferably in a locked cabinet. Give and take medicine only in a well-lighted room, after reading or reviewing all labels.

In the event of accidental poisoning, the family doctor should be called immediately. If he is not available, the nearest Poison Control Center should be contacted for advice. In Albuquerque this center is located at the Bernalillo County Medical Hospital.
Rolamite Symposium Held

A two-day Symposium on Rolamite, held at the Hilton Hotel Nov. 12-13, featured a number of technical papers by Sandians and a talk by President John A. Hornbeck. Some 100 people from all over attended, including one participant from Norway.

At the symposium, the latest developments of the rolamite device and its possible applications were described for representatives of industry. Rolamite is a device used to store and retrieve information that was invented at Sandia Laboratories and released to the public approximately a year ago. Since then, it has been intensively developed for applications in freshman buildings, operation in extreme environments, and storage of energy, and for performing other demanding switching functions.

The day of the symposium summarized operating principles, design criteria, and basic applications. The second day featured workshop sessions where small groups of participants discussed application ideas with experts in the new technology.

John Ford, supervisor of Switches, Relays and Rolamite Division 2321, presented an Introduction to the Rolamite Mechanical Concept. Former Sandian D. F. Willen, rolamite inventor, discussed "Applications of Useful Device Functions with Rolamite." "Rolamite Geometry and Force Analysis"

Holidays Change LAB NEWS Schedule

Because of the Thanksgiving and Christmas Holidays, the LAB NEWS will be published on a slightly modified schedule in November and December. LAB NEWS will not be published on the regularly scheduled date of Nov. 29, when many Sandia employees will be on Thanksgiving vacation leave, but will be published instead on Dec. 6 and again on Dec. 20. Therefore, LAB NEWS will be published at the customary two-week intervals.

Those who plan to use the classified section during the next few weeks should take note of the modified publication schedule. The deadline for classified ads is 12 noon on the Friday one week before publication.

Sandia Safety Signals

Some guys will stop at nothing.

Including stop signs. So, expect the unexpected. Whenever... wherever... drive... defend... stop. Stop signs are a good place to start.

Watch out for the other guy.

Know Your Highways

The numbering system on the Interstate Highway System helps orient motorists. To confuse people a bit, route and number numbers. Route numbers are low on the west coast and higher as one goes east. East-west roads and in even numbers. Route numbers are low along the southern boundaries and higher as one goes north. Two-digit road numbers indicate through routes; one-digit numbers, routes through or around a city. When the first of the three digits is odd, the highway is a spur route that connects a through route with a city.

Promotions

Welcome... Newcomers

Coronado Club Activities

Winter Sports Night Set Nov. 23

Social Hours

Seafood, the best in Albuquerque, will be the buffet feature at social hour tonight. The Aristocats will play for dancing. The buffet costs $3.25 for members, $4.25 for kids. On Friday, Nov. 22, the Club's famous chuckswiches, roast beef will be wheelied out for the buffet spread while Phil Graham and orchestra occupy the bandstand. Pat Reigh and piano will entertain with a saxes-long in the main lounge on both Friday social hours.

Beginning Friday, Nov. 29, the Club's schedule shifts to accommodate organizational parties, and social hour will be confined to the main lounge through December.

Organizational Christmas Parties

The holiday season starts at the Club on Nov. 29, with an aristicatx coronado patrons scheduled throughout the month. However, Jim Noonan, Club manager, reports that there are several chosen dates still open at the Club. If your organization is planning a party, check with Jim about the Coronado Club party package.

Bridge

The duplicate bridge group will meet Monday, Nov. 18, for an open pair championship tournament and dinner starting at 7 p.m. For dinner reservations call 286-7650. Duplicate bridge will continue to meet at 7 p.m. Mondays through Dec. 2.

Lunchen Special

Roast turkey with all the trimmings will be the headliner special Thursday, Nov. 21, at the Club, Bldg. 839 cafeteria and Area 11 cafeteria. The cost for this traditional menu is only 50 cents.

Operation Stork' to Help Needy

Julianne Chapter 811 of B'nai B'rith is sponsoring an "Operation Stork" drive to provide layide gifts to needy expectant mothers. The drive, part of the national program of "Operation North Pole," was launched by an extensive group of expectant mothers—those of improved circumstances normally would not seek prenatal medical care—to visit a clinic.

Collection baskets labelled "Operation Stork" will be placed in major Sandia Laboratories buildings. Among used or new items needed for the layettes are diapers, bassinet, crib sheets and infant clothing. Clothing for pre-school children will also be collected. Donations to needy mothers.

Wives of two Sandia employees are among those active in "Operation Stork," which will be underway from November through May. They are Mrs. George W. Coodon (4322) and Mrs. Michael Parsons (8513). In addition to collection points located in the Laboratories, items may be deposited in baskets placed in Albuquerque churches, dentists, doctors may contact either Mrs. Corson or Mrs. Parsons.

T-Bird Gets Life

Sandia's thunderbird emblem is seen in glowing color in last week's issue (Nov. 8) of LEEF magazine. The full page replica is the result of some experimental computer work by David Caskey (9424) and it appears in a photo article "The Luminous Art of the Computer."