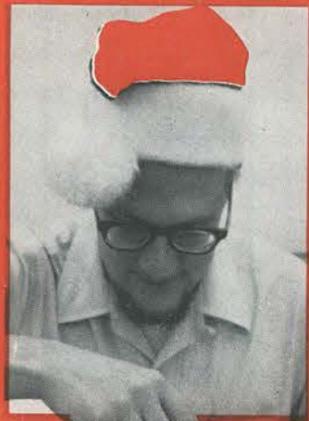


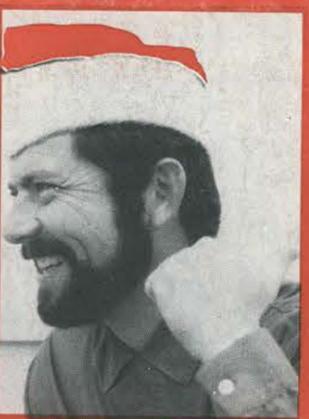
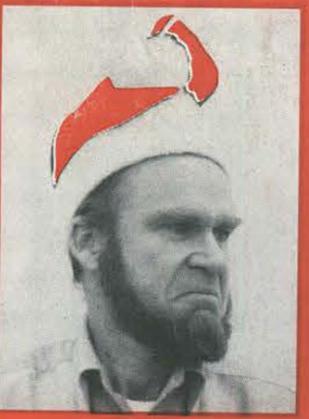
we wish you a Merry Chistmas



we wish you a Merry Chistmas



we wish you a Merry Chistmas

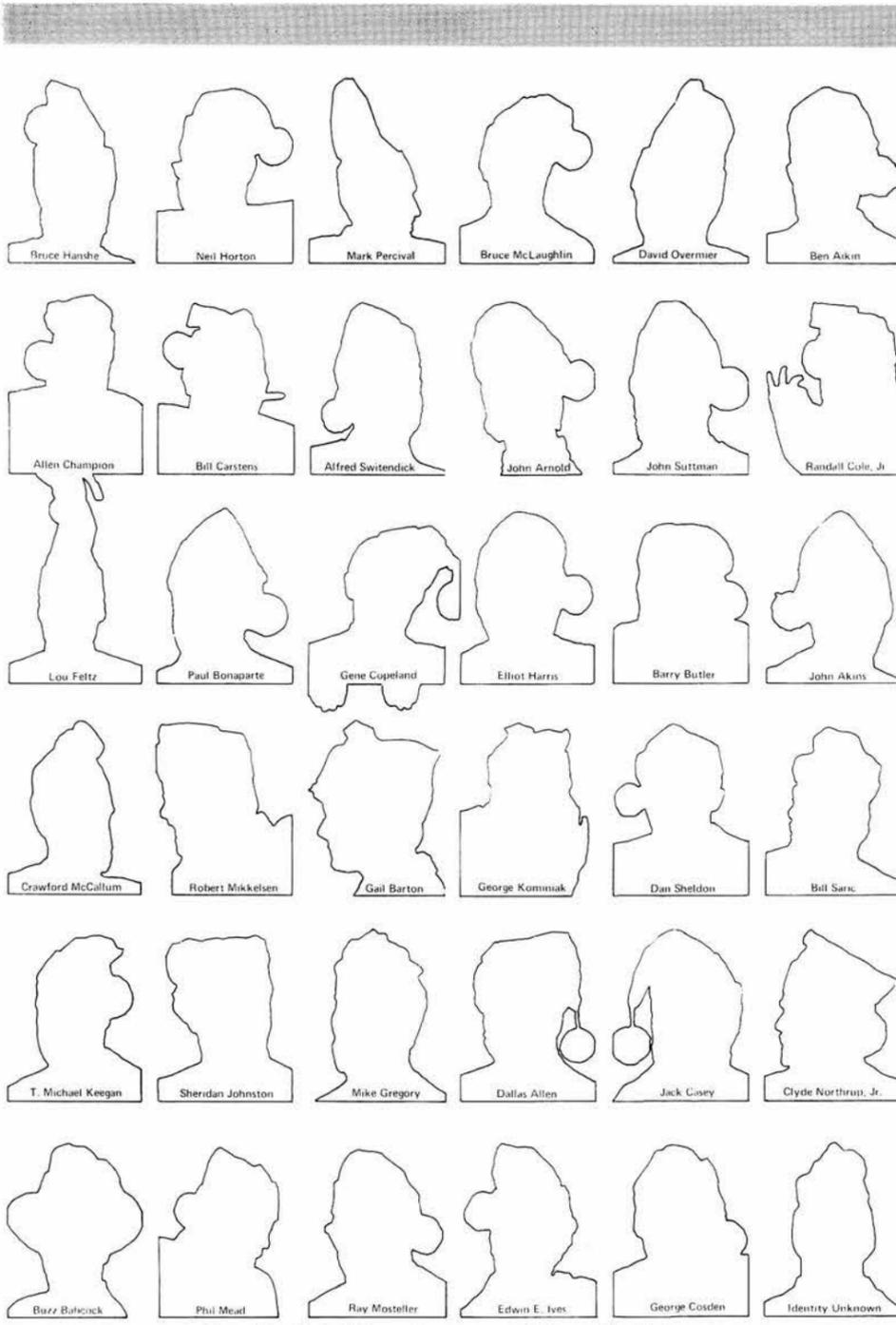


and a Happy New Year



ho ho ho ho ho ho ho ho ho





Key to Sandia Lab News Cover Designer, Jim Walston

Christmas Projects Big at Sandia—Shoes, Gifts and All Things Nice

As in years past, people at Sandia Laboratories have been contributing money, gifts, clothing, and other items to make the holiday season more enjoyable for less fortunate persons.

Members of the 1600 Directorate have funded the "Shoes for Kids" project for the past 12 years. Last year's contributions totaled \$550 — enough to provide 86 children from Riverview and Longfellow elementary schools with a pair of shoes. According to Co-Chairman Paul Scates (1641), it looks like there will be enough money this year to purchase shoes for 120 boys and girls. The other chairmen are Donald Lewis (1651) and Robert Manhart (1612).

Another group, which prefers to remain anonymous because "our contributions of gifts, money, and time came from Sandians throughout the Laboratories," will give a Christmas party tomorrow morning for the children of Five Points School. The event will include entertainment, refreshments, and distribution of gifts by Santa Claus. A Christmas dinner was held last Wednesday for the same children. The committee said, "Both of these events were made possible through the cooperation and efforts of many Sandians."

For the 11th consecutive year, the Office and Professional Employees Union, Local 251, AFL-CIO, has adopted over 255 needy youngsters of the Riverview Elementary School as a Christmas project. Highlight of the effort will be a Christmas party tomorrow at 1 p.m. in the school cafeteria. Santa Claus (Procopio Lopez, 4212) will make an appearance and there will be various types of entertainment. Toys, gifts, and party treats will be distributed to each child. Leaders of the project include Maxine Stephenson (7633), Tony Chaves (4137), Julian Sanchez (3111), Nancy Barela (7631), Ed Gullick (4514), Hazel Schuler (9415), and Louise Proffit (3256).

There's still a chance to contribute to a project underway in Bldg. 836. Fred Norcott (1525) organized the second annual Christmas gift collection for the residents of the Los Lunas Medical Center (formerly Los Lunas Hospital and Training School). Gifts should be small in size and inexpensive. Used items are OK if still serviceable. Floyd suggests comb and brush sets, towels and washcloths, costume jewelry, outer clothing, crayons and coloring books, wooden blocks, crib toys, picture books (not comic books), personal toilet items, candy, and stuffed animals. If you'd like to parti-



GAILY WRAPPED packages have been accumulating for the Office and Professional Employees (Local 251) annual Christmas project at Riverview Elementary School. Cherry Gullick (4331-2) is a member of the union's committee.

cipate in this project, wrap your gift, place a label on the outside telling what the gift is, and take it to Floyd in Bldg. 836, Rm. 125. He will deliver the boxes the afternoon of Dec. 24.

The 3400 Christmas project is rolling along and expects to meet the high level of participation experienced last year. Funds come from bake sales, a book and record sale, a used jewelry sale, and contributions; last year over \$700 was collected. The money is spent on medical supplies, toys, groceries, shoes, hardware, school supplies, etc., for families living in small villages along South Highway 10. Bill Benedict (5131), who has a year-round interest in this area, will deliver the items tomorrow.

Three Directorates, 1200, 1500, and 2300, joined forces to collect funds to be donated to the All Faith's Receiving Home. This year the contributions totaled \$248. Co-chairmen were Alva McGuckin (1200), George Beller (1500), and Guy Coburn (2300).

Events Calendar

- Dec. 18-20—"The Deadly Game," Old Town Studio, 1208 Rio Grande NW.
- Dec. 19—Beginner's ski touring on North Sandia Peak, N.M. Mountain Club, leader Bill Isenhower, tel. 898-0839.
- Dec. 24-25—Dances at most Indian Pueblos.
- Dec. 24—Luminaria tour at dusk in Albuquerque (Los Altos, Lee Acres, Country Club Area, etc.).
- Dec. 26-28, Jan. 1-3—Albuquerque Civic Light Opera Assn. presents "Carousel." UNM Popejoy Hall.
- Dec. 31—Deer dance, Sandia Pueblo.
- Jan. 1—Annual "slosh" up La Luz Trail to Sandia Crest. N.M. Mountain Club, leader Bill Grohe, tel. 243-1051.
- Jan. 5—Audubon Wildlife Film series, "Cactus Empire." Popejoy Hall, 8:15.



SANTA CLAUS wears a black beret for these children living in villages on South 10. Bill Benedict (5131) helps families in this area the year 'round, works with organization 3400 Christmas project, one of the many underway at the Laboratories.

LAB NEWS

Published every other Friday

SANDIA LABORATORIES

An Equal Opportunity Employer

ALBUQUERQUE, NEW MEXICO
LIVERMORE, CALIFORNIA

Editorial offices in Albuquerque, N. M.

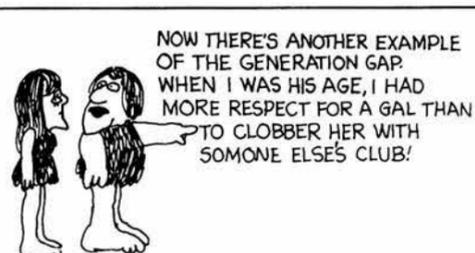
Area 505-264-1053

ZIP 87115

In Livermore Area 415-447-2111

John Shunny is Editor, Don Graham Ass't. Editor

Cherry Lou Burns, Staff Writer
Matt Connors & Lorena Schneider
are Staff Writers in Livermore
Bill Laskar is Photographer
Norma Taylor / All The Rest



DICK WILSON ©1969

Employees Express Holiday Wishes Creatively

LIVERMORE NEWS

VOL. 22, NO. 26

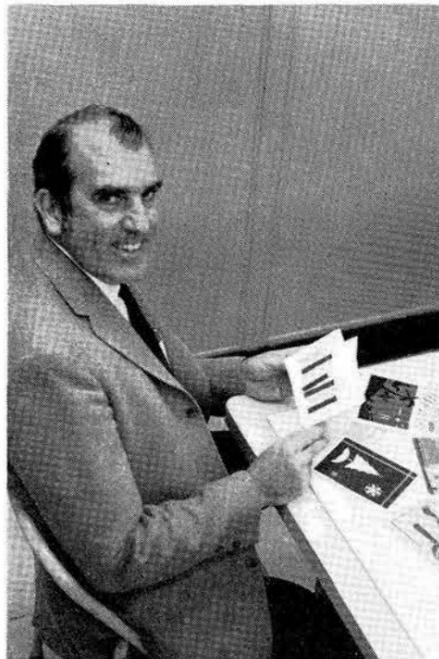
SANDIA LABORATORIES

DECEMBER 18, 1970



LOLLIE SHORT (8264)

"My mother-in-law was moving and throwing out a sack of small pine cones, an old Styrofoam ball, and some red ribbon. With a little wire and gold spray paint I came up with a hanging Christmas ball. The little flowers were made by folding the ribbon in a square-like fashion. I created the tree from green tissue paper cut into strips, folded in half, and cut to within a quarter inch of the edge. These strips were then glued onto a cardboard cone and the tree dotted with red velvet centers from an old Christmas flower."



JERRY MALONEY (8274)

"Silk screened greeting cards are our favorite way of saying 'Merry Christmas.' The most difficult part is coming up with a satisfactory design, one that is not only attractive but lends itself to the process because there is no shading. For example, in my latest card—which I'm holding—there are four different colors—but all are solid colors. The process—a family-type operation—involves getting the design onto a piece of silk stretched over a wood frame. To print the cards, the ink is squeezed through the silk cloth onto the paper. Once the stencil is on the silk screen the actual production of cards is pretty fast, but you can apply only one color per night because you must allow for drying."

Take Note

Bill Ormond, supervisor of Personnel Services and Compliance Division 8217, assisted in the planning and led one of the workshops, "Recruiting and Hiring the Minority Professional," of a recent seminar held in San Francisco sponsored by the Black Personnel Management Association and the Institute of Industrial Relations of the University of California at Berkeley. The seminar provided representatives from industry with a realistic view of the aspirations of the minority community and an opportunity to discuss the successes and failures of minority hiring and training. Bill serves as secretary and on the executive committee of the Black Personnel Management Association.

Organization 8100, with an average of 79.75 strokes, won the challenge trophy in the annual Sandia/Livermore directorate golf tournament played recently at Las Positas Golf Course. Organization 8200 finished with an average of 80.8 strokes and 8300 with 83.2 average strokes.

A first place individual trophy went to Gabe Gabrielson (8321) in the first flight and to Carl Beckham (8136) in the second flight. Elmer Smith (8136) took the award in the "fewest putts" contest of the tournament.

A technical paper, "Neutron Radiography of Mixed-Oxide Fuels," written by Lutz Dahlke of Physical Properties Acceptance and Evaluation Division 8137 and M. A. Robkin of the University of Washington was presented at the 1970 Winter Meeting of the American Nuclear Society held in Washington, D.C. Nov. 15-19.

Scotty Romine of Safety Engineering and Environmental Health Division 8263, spoke recently at a regular meeting of the Pleasanton Rotary Club on "Industrial Accidents." His talk included a showing of the film, "Our Aching Backs."



PAT CHILDERS (8235)

"In past years I used calligraphy when signing and addressing my family Christmas cards, but this year I designed and painted the cards as well. Each is entirely different. First, I cut a large sheet of watercolor paper into the desired card size. Then, by placing masking tape around the edges a frame is formed for the picture. Sometimes I sketch on the card; but usually just wet the paper, apply a wash, let it dry, and then paint a design. After drying again, I remove the tape, write a holiday greeting at the top, and sign our names at the bottom."

Over the years graphic expressions of the Christmas Season have been many and varied. Some represent the latest in contemporary design while others are truly traditional. A number of Sandians convey their holiday wishes to neighbors and relatives by creating their own unique home decorations and greeting cards.



PAT LEIGH (8264)

"This Christmas wreath has a Styrofoam base covered with green ribbon plus an added touch of pine cones. I've made ornaments from egg cartons, Christmas trees both from toothpicks and macaroni, and candles by filling milk cartons with crushed ice and pouring hot colored wax over the ice."



PAULINE KIRK (8161)

"My latest decoration is a red and gold trimmed bird cage. I started with two Styrofoam discs and wove gold string between them. The bird perches on a pipe cleaner. The apparatus it hangs from is covered with red velvet, studded with glitter and jewels."



PAT O'BRIEN (8161)

"Part of our Christmas display is a miniature church with six stained glass windows. Inside, 20 figures are dressed in clothes designed and sewn by my wife, LaVaugh (LRL). The pews and kneelers are carved from balsa wood. Candelabra on the altar were made from toothpicks. And there is a bible and altar railing. Watching a child look at the display is worth the six months it took to make it."

Congratulations

Mr. and Mrs. Dick Jones (8332), a daughter, Deborah Dorene, Nov. 20.

Mr. and Mrs. Bob Anderson (8312), a daughter, Julie Marie, Nov. 19.

Sympathy

To Shannon (8322) and Marion (8161) Houk for the death of her father in Columbia, Utah, Nov. 21.

Author

Su Chiu of Analytical Mechanics Division 8352 was the author of a technical article entitled "Difference Method for Multiple Reflection of Elastic Stress Waves" which appeared in a recent issue of the JOURNAL OF COMPUTATIONAL PHYSICS.



Christmas Story

The Christmas spirit was prevailing in Terces, a little village on the American side of the Mexican border. Across the river from Terces lay the Mexican village of Sefas. Both were making preparations for the holidays.

Children were outside playing the old Mexican game of Yitruces in which one child would spin the other around until his feet and legs were completely twisted and locked, yet he was still able to stand up.

The game is played in teams of two. One person is called the Rekol, the other Rotinom. If the Rotinom does not spin far enough, the other side wins. The losers get what is known as a Noitcarfni or in our language, "A hit on the head."

The thing the players always have to remember is that if the Rekol and the Rotinom don't work together the game of Yitruces is lost, and who wants a hit on the head at Christmastime?

For this Holiday Season we hope you all remember the Yitruces rules.

(NOTE: If some of the words look odd, try spelling them backwards.)

Bill Snyder Heads IEEE Nuclear Science Group



Bill Snyder, manager of Simulation Sciences Research Department 5220, was recently elected chairman of the 2500-member Nuclear Science Group and a member of the Technical Activities Board of the Institute of Electrical and Electronics Engineers.

Bill's two-year term as chairman starts Jan. 1. He has been a member of the Group for three years, serving as chairman of the Radiation Effects Committee.

The fields of interest of the Group are instrumentation for research in nuclear science and engineering, detection and measurement of radiation, particle accelerators, nuclear reactor control systems, effects of radiation in material, and the applications of fission and fusion nuclear power. The Group sponsors conferences on nuclear and space radiation effects, particle accelerator science and technology, scintillator and semiconductor counters, and an annual nuclear science symposium. Technical proceedings of the Group average 2300 pages annually.

Bill joined Sandia in 1953 after earning a master's degree in physics from Iowa State University. He has been involved in radiation effects and simulation studies throughout most of his career at Sandia. He headed a section in 1957, a division in 1960, and was appointed to his present position in 1964.

APS Winter Meeting Attracts Many Sandia Research Papers

The 1970 Winter Meeting of the American Physical Society, to be held Dec. 28-30, at Stanford University, has accepted a large number of Sandia technical papers for presentation.

Speakers from Physical Research Department 5130 include Peter Lysne, "The Effect of Electromechanical Coupling on Air Backed Quartz Reverberation Disks"; Al Stevens, "Observations of Secondary Slip in Shock Loaded Aluminum Single Crystals"; Orval Jones and Al Stevens, "Effects of Radial Reseal Waves in Plate-Impact Experiments"; Ralph Johnson and Rod Quinn, "Electrical Conductivity and Surface Layer Formation in Semiconducting $As_2Te_3I_2$ "; James Johnson, "Mathematical Description of Dynamic Deformation Twinning in Shock Wave Compression"; David Emin, "Correlated Small-Polaron Hopping Motion"; Lee Davison, "Compound Damage Accumulation Criteria for Spallation"; Allan Champion, "The Effect of Shock Compression on the Electrical Resistivity of Three Polymers."

Representing Solid Dynamics Research

New Holiday Schedule Provides Eight 3-Day Weekends in 1971

The U.S. Congress in 1968 adopted a law that four existing national holidays and one new one — Columbus Day — will forever fall on Mondays, beginning in 1971.

The federal law, nominally effective only for federal employees and for the District of Columbia, has been copied to some degree by 45 states, including New Mexico.

The new holidays are: George Washington's birthday, third Monday in February; Memorial Day, last Monday in May; Columbus Day, second Monday in October; Veterans Day, fourth Monday of October.

Sandia Laboratories does not observe Columbus Day but does observe Good Friday as a holiday.

Unchanged in the new holiday observances are dates of New Year's Day, Independence Day, Thanksgiving and Christmas Day.

The days of the week in which these holidays occur in 1971 — with the single exception of Thanksgiving — will give Sandians eight three-day weekends in 1971.

Since Livermore follows the practice of LRL, Sandians there will not observe Veterans Day but will take time off Friday after Thanksgiving.

Since Christmas falls on Saturday next year, Sandia will grant as time off the afternoon of Friday, Dec. 24, and the following Monday.

Environment Comes Down to Sidewalks

"The most neglected of all open spaces is the sidewalk."

With this credo two Sandians have become involved in a two-fold program to focus attention on the question of sidewalks. "First of all," says Jack Suttman (3417), "we want to make people aware that a new city sidewalk standard is being proposed and that it will be considered by the Albuquerque City Commission at the regular Commission meeting Dec. 28.

"Secondly, we want to find out, both for the city commissioners and for ourselves, just what people think about the sidewalk setback proposal and the tree planting proposal that goes along with it." Without a sampling of public opinion, Jack feels, it will be impossible to make any improvements in existing sidewalk design.

According to Harvey Frauenglass (also 3417), basic problems arise from the existing standard which calls for 42-inch sidewalks flush to the curb in residential areas and six-foot sidewalks flush to the curb along arterial streets. "City planning people attribute Albuquerque's high pedestrian-vehicle accident rate to the narrow sidewalks right at the curb," Harvey says. "And it's almost impossible for kids or grownups to use the sidewalks with all the hydrants, mailboxes, signposts and power poles in them, not to mention the warp where the driveway goes down to the street every 60 feet or so."

The proposed standard calls for six-foot setbacks and five-foot walks in all new residential areas and 6- or 12-foot setbacks and six-foot walks along new collector or arterial streets. Poles and hydrants would go in the right-of-way between the walk

and the curb. The city would also plant trees in the strip for every property owner who would agree to take care of them. Or the property owner could plant the strip himself, or even pave it, if he wished.

This ordinance, Harvey and Jack both point out, applies only to new developments and areas which do not now have sidewalks. The additional cost to the builder or the property owner would be little more than the extra concrete for a five-foot as opposed to a 42-inch walk. Advantages, besides safety and sidewalk usability, include improved street appearance and improved air quality. Street-side trees could increase the available oxygen and remove considerable auto pollutants.

To find out how people feel about the sidewalk proposal, the Environmental Reporter Foundation (a non-profit group founded by Jack and Harvey) and Albuquerque Urban Progress are sampling opinion in all sections of the city in cooperation with the City Planning Department. The survey is being run by Harvey's son Mark as an Eagle Scout project. Results will be placed on a large map and presented to the City Commission at the public hearing on the 28th.

For LAB NEWS readers who would like to participate in the survey, here is the questionnaire:

- | | No
Yes No Opinion |
|--|----------------------|
| 1. Is the proposed sidewalk setback ordinance desirable? | |
| 2. Should this adjustment be made on existing sidewalks? | |
| 3. Do you favor the city wide planting of the strip between sidewalk and curb? | |
| 4. Would you keep up the strip if it were in front of your home? | |

Your street address _____

Send the questionnaire with your comments, if any, to the LAB NEWS and we will forward it to Mark.

Los Altos Christmas Eve Display Long Time Job of Florencio Baca

Remember "What's My Line?" on TV? If the line had been "luminaria display arranger" we suspect the panel would have remained mystified to the end. And someone would then have had to explain what a luminaria was, once the answer was revealed. But here at Sandia we have a real, live luminaria display arranger, Florencio Baca, supervisor of Organization 4518-2. Arranging luminaria displays is an avocation for Florencio.

Since 1949 the Los Altos area of Albuquerque (north of the intersection of Coors Blvd. and Bridge St. SW) has been noted for its Christmas eve displays of luminarias, the soft glow produced by a candle burning inside a paper bag. And for this same period of time Florencio has been responsible for coordinating the project.

The small sub-division numbers 32 adobe houses, nine of them still owned by original purchasers. When new people move into the neighborhood, Florencio gives a little talk on the tradition of luminarias and how the Los Altos residents work together to make the display an outstanding attraction for everyone — residents and visitors alike.

Florencio collects money from each homeowner and purchases more than 10,000 candles and paper sacks. Each homeowner is responsible for folding the bags, filling them with sand, placing them along walls, roof lines and sidewalks, and lighting the candles Christmas Eve. But Florencio and the neighborhood kids take care of the vacant lots, unoccupied homes, and dividers between traffic lanes.

He also coordinates the project with the Public Service Company of New Mexico (street lights are turned off on certain streets to heighten the effect) and works with the City Police Department to arrange for barricades and traffic direction.

The staggered elevations of the homes are well-suited to this type of decoration. "But it's not a natural condition," Florencio explains. "I used to have a gravel operation on that land and that's what caused the different levels." His interest in that area goes way back. His family pioneered on the West Mesa and owned the first water well there.



GREATEST LIVING LUMINARIA EXPERT is a suitable title for Florencio Baca (4518-2) who has been coordinating the lighting displays at Los Altos since 1949.

Retiring



HUBERT HANEN
Mechanical Design
Division 2452



LLOYD O'NEAL
Computer Operations
9411



JOHNNY APODACA
Plant Systems
Division 4511



CHESTER COX
Security Operations
3520

Authors

R. R. Boade (1224), "Principal Hugonit, Second Shock Hugonit, and Release Behavior of Pressed Copper Powder," Vol. 41, No. 11, JOURNAL OF APPLIED PHYSICS.

E. L. Hollar (5522), F. N. Rebarich and D. M. Mattox (both 5332), "Composite Film Metallizing for Ceramics," Vol. 117, No. 11, JOURNAL OF THE ELECTRO-CHEMICAL SOCIETY.

D. P. Aeschliman (9342), "Measurement of the Viscosity of Atmospheric Argon from 3500 to 8500°K," Vol. 13, No. 10, PHYSICS OF FLUIDS.

M. A. Gusinow, R. A. Gerber and J. B. Gerardo (all 5243), "He₂⁺ and He₃⁺ in 300°K Helium Plasmas: Their Effect on Recombination Loss of Electrons," Vol. 25, No. 18, PHYSICAL REVIEW LETTERS.

Photomicrograph Award To Phil Apodaca

First prize for a scanning electron photomicrograph was awarded Phil Apodaca (5313) during the recent Third Annual International Metallographic Society meeting, held in Cleveland.

His photomicrograph, at 3000x magnification, shows the effects of oxidation on two types of carbon-carbon composites — the filament wound and the felt composite.

He received assistance from Chuck Miglionico (5522), Barry Butler and Barry Granoff (both 5313).

In last year's competition, Phil and David Schuster (5314) won second place for a montage of photomicrographs of a borsic-filament reinforced aluminum alloy.

WE Sponsors End-of-Year TV News Specials

Western Electric is sponsoring two news specials on CBS-TV. On Sunday, Dec. 27 from 10:30 to 11:30 p.m. (MST), Walter Cronkite will host the program "America and the World—The Nation," while on Tuesday, Dec. 29 from 8 to 9 p.m. Charles Collingwood is the host for the second part "America and the World—The World." Eric Severide, Dan Rather, Daniel Schorr and other CBS correspondents will participate with the hosts in the news specials.

A Subtle Appeal

In Case You Didn't Get the Message

From time to time LAB NEWS has carried illustrations aimed at getting you to stop smoking. Maybe you got the message and did something about it, or maybe you need a bit more urging. Well, it's the beginning of a new year and the time for high resolve, and if you need more reinforcement we have at hand a pamphlet, "Your Health and Cigarettes," which has scary stuff a plenty to help you kick the habit:

"Too few realize the degree and extent of health damage associated with the cigarette. 'Early morning hawking' and 'cigarette cough' are so common nowadays that countless millions of Americans consider them 'normal,' rather than as signals that warn of damage.

"In general—
 "Heavy smokers are hospitalized one and a half times more often than nonsmokers—
 "A more-than-doubled death rate occurs

among heavy smokers as compared with nonsmokers in the 40-69 age bracket — the peak years as far as career and family responsibility are concerned.

"A study of more than 4000 cigarette smokers (men) shows three times as many heart attacks over an eight-to-ten-year period as in nonsmokers, pipe and cigar smokers, and ex-cigarette smokers.

"Most sufferers from emphysema have been cigarette smokers; a typical victim may have been a heavy smoker most of his life. Although his fight for breath is agonizing enough, this is only one effect. For emphysema is more than a crippler — it is a killer. Furthermore, the problem is growing. There was a five-fold increase in emphysema deaths in the United States in the 10 years between 1953 and 1963.

"The regular cigarette smokers runs a risk of death from lung cancer 10 times greater than that for his nonsmoking counterpart. Even those who have smoked for years, however, can still do something: quit. An important study has shown that five years later, those who stopped have a death rate less than half of those who continued; and that 10 years after stopping smoking, the death rate becomes the same as for those who never smoked.

"For those who smoke, the best advice consists of one word: STOP. Studies of cigarette smoking and disease have shown that the individual who quits in time is rewarded by a lessened chance of (1) getting, (2) being disabled by and (3) dying from, any one of a host of diseases.

"This can be summed up simply as, 'It's rarely too late to stop.' Studies of the death rates and complaints of disease among smokers and exsmokers demonstrate that the longer one stays away from cigarettes the more closely life-span and general health approach those of individuals who have never smoked cigarettes. The body shows a good deal of ability to repair itself — if it is given the chance.

"For parents who smoke there is still another incentive for giving up cigarettes: The most important reason why a child begins to smoke seems to be that one or both of his parents smoke. Even at the toddler stage, 'little pitchers have big eyes,' and many behavioral attitudes are formed in the years when Mother and Father are still the unquestioned centers of the universe. Later, the youngster who sees his elders smoking may well think (if not say): 'If they keep at it, they certainly can't take that health scare very seriously.'"

So when you begin to lecture your children about the hazards of drug use, it might be well first to put out your cigarette — forever. Your lecture will be a little more credible.

Congratulations

Mr. and Mrs. Larry Pope (5133), a daughter, Lori Ann, Nov. 24.

Mr. and Mrs. George Jelinek (5224), a son, Kristian Grady, Nov. 26.



AIRPORT TERMINAL at Pokhara, Nepal, is this small white building with red scales in front, but those 25,000-foot Himalayan peaks are the big attraction.



MAXI-TOUR WRITER Cherry Burns (3432) lolls in front of her Kathmandu hotel, a former royal palace.



FARMING IMPLEMENTS are primitive in Nepal. This one was made entirely of wood. During the November harvest even village streets are covered with millet, a grain spread out to dry for a few days in the sun. Adobe bricks (right) are familiar building material.

Deaths



Roman Heuer



Clarence Hansen



Ken Carmichael

Roman Heuer, a member of the Laboratory Staff in Instrument Repair and Calibration Services Division 7512, died suddenly Dec. 5. He was 47 years old.

He had been at Sandia since June 1955. Survivors include his widow and six children.

* * *

Clarence Hansen, a security inspector in Security Operations Department 3520, died Dec. 12 in an automobile accident. He was 56.

He had worked at Sandia Laboratories since April 1957.

Survivors include his widow and two sons.

* * *

Ken Carmichael, a staff assistant in Vochering Division 4135, died suddenly Dec. 13 while vacationing on Grand Bahamas Island. He was 54.

He had worked at Sandia since October 1952.

Survivors include his widow and a daughter.



VOICES ON THE OTHER END — After years of telephone conversations between their two accounting organizations, these ladies from Bendix Kansas City and Sandia decided to get together. Lillian Bowers and Alma Mischke, at left, of organization 4152 hosted the gals from Kansas City: Virginia White, Jane Hall, Gerry Brockman and Bettie Carpenter. Besides a visit to the Labs and the Atomic Museum, the guests were shown the sights of Albuquerque and nearby attractions.

Maxi-Tour With CB

Halfway Around the World Paved Roads Are No Problem

LAB NEWS staff writer Cherry Burns has been writing "mini-tour" articles about New Mexico for a number of months, but her own vacation plans this year were in the "maxi-tour" category and included some rather exotic places. How does Nepal sound for a start?

Why Nepal? Well, I had to be sure Mount Everest and Annapurna really exist. You can't believe what you read in books. The country is about as far away from Albuquerque as you can get. It's located between India and Tibet, has admitted foreigners only since 1950, and many facets of its culture resemble life in the Middle Ages.

Kathmandu, the capital, sprawls in a 4400-foot valley ringed by the high Himalayas. Despite its peaceful appearance, life can be exciting there. The very first evening I was caught in a riot and surrounded by gun-bearing uniformed men. Fortunately they continued past me. A large group of Nepalese students was trying to demonstrate before the Indian Embassy in protest over cancellation of trade agreement talks between Indian and Nepal.

A few days later I awoke at my hotel (a former royal palace) to find bright-colored mountain tents erected on the front lawn and Sherpas scurrying around. Members of the French Himalayan Expedition had returned after climbing the South Peak of Annapurna (22,602 ft.). A few weeks later

Sympathy

To Nazario Gonzales (4623-3) for the death of his step-mother, Dec. 7.

To Vern Henning (3122) for the death of his mother in Indiana, Dec. 9.

To John Wiesen (100) for the death of his mother in Sharon, Pa., Dec. 13.

To Louis Flores (7523) for the death of his father, Nov. 4.

Promotions

Ernest Bennett (8322) to Staff Assistant Technical
 Carol Dixon (8263) to Secretarial Typist
 Edward Martinez (4222) to Electroplater
 Billie Titus (8120) to Secretary
 Gail Voelker (8322) to Data Processing Clerk
 Kathleen Gabaldon (4135) to Accounting Clerk



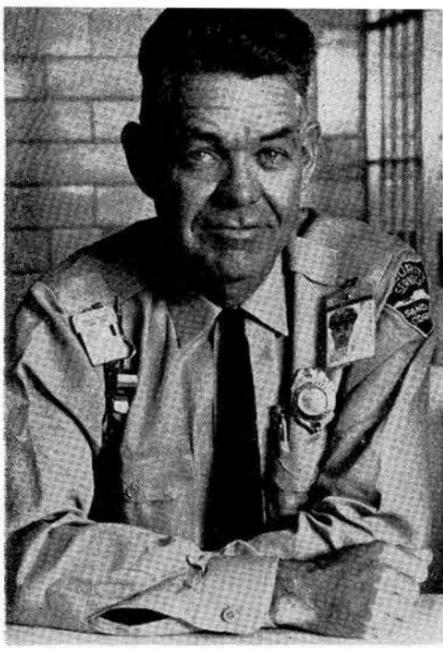
WOMEN'S LIB? Probably not in this little Nepalese girl's generation. Burdens are frequently carried in this fashion for great distances and elevation changes.

participants in the Second Asian Highway Motor Rally arrived after being stoned as they passed through India. Their route was 4150 miles—from Tehran, Iran, to Dacca, East Pakistan.

One morning I left at 4 a.m. by Land Rover to drive 23 miles to Nagarkot, located on a 7133-foot plateau which offers an unexcelled view of the Himalayan range from east of Everest to west of Dhaulagiri. The fact that the drive took two hours both uphill and downhill attests to condition of the dirt road, but the sunrise was worth the bouncing.

Another day I chanced a flight to Pokhara. This is the second largest city in Nepal, but although it is only 93 miles from Kathmandu, there is only a yak trail connecting the two. Royal Nepalese Airlines has a daily flight using DC-3's, including a cargo ship with bolted-in bus seats. Frequent passengers maintain the airline has an unofficial motto: "We may not be the safest, but we're the friendliest." I could certainly agree to the latter — I was invited to take photographs from the cockpit window, a courtesy the big airlines extend only to wild eyed men with guns.

The Pokhara airstrip is a cow pasture and when a plane is sighted, a siren is sounded to chase people and cows off the field. The contrast between the semi-tropical 2500-foot valley and the nearby 26,000-foot peaks is overwhelming. It's as though our Sandias rose to more than four times their present height from the mesa.



Luke Beatty

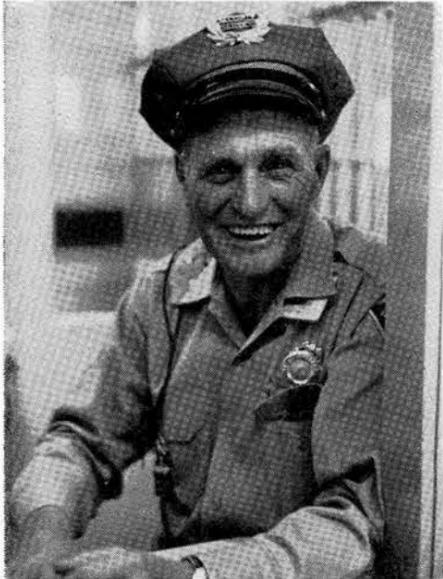
Sandia's Guards Could Give Lessons in Being a Nice Guy

An airline pilot's job has been described as hours of monotony broken occasionally by moments of stark terror. In a sense, the job of security inspector offers a similar regimen — lots and lots of routine, but always that possibility you may someday have to use the revolver strapped on your waist. Clearly, this is the stuff of life and death, and equanimity and judgment are what being a guard is all about.

Sandia's 95-man force is outstanding. Talk to a number of them and you'll find backgrounds of all types: ranchers, ex-military officers and non-coms, carpenters, teachers, mechanics, even an ornamental iron worker. They have been at the Laboratories a long time, an average of 18 years.

To most of us, the security inspector is the guy, almost always pleasant or even cheerful, who greets you in the morning and says "good night" when work is over. Even when they query you, as occasionally they must, about the contents of your briefcase or bag, the inquiry is businesslike but friendly. Perhaps it is this engaging manner that stands out most, for nowadays we all too frequently encounter people — whose job it is to meet the public — who manage to convey the impression that you are an unwelcome intruder in their store, office, bus, taxi, restaurant, etc.

We can't show them all, but here are a representative few of Sandia's most pleasant people . . .



Bill Huffman



George Dingman



Gene Romero

Bob Stewart

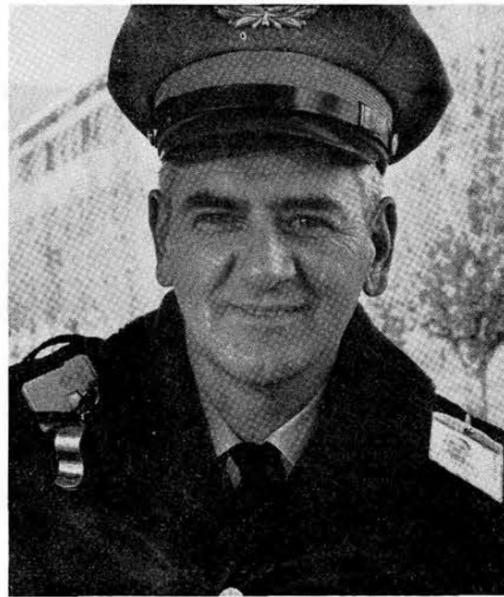


Julian Chavez



Chewie Baca

Vance Prutzman



Mike Adams



Jim Rabold



Gene Smith



Pat Sanchez



Bob Crompton

Les Baumann

Murt McMullen

Service Awards

20 Years



Harold Baxter
4542



Dennis Cordova
4137



Fonzo Cossell
4512



Everett Dow
9223



Buford Eagan
2441



John Farmer
4252



Gordon Gaskill
3422



James Hayes
3455



Vernon Henning
3122



Richard Kidd
1525



Ed Kuroski
8264



Bennie Montoya
4231



Jose Pera
4514



Francis Shea
4252



Kenneth Smith
4332



Edmund Starr
4614



Ralph Work
2634

10 Years

Albin Jacobson 2342, Hyder Burress 9131, Aileen George 4623, Nell Norton 3417, Lorraine Cook 3256, Donald Benoit 1514, Richard Craner 1751, and Robert Schultz 8124.

15 Years



Dick Demo
8172



Robert Clay
1513



Audrey Kroesche
3452



Jose Gallegos
4212

Chief U.S. Delegate

Dave Braudaway Attends Int'l Standards Meet in Hungary

Dave Braudaway of Electrical Standards Division 7452 was the chief U.S. delegate to the International Electrotechnical Commission which met in Budapest, Hungary, for five days in October. Purpose of the meeting was to discuss specifications for standard cells, potentiometers, voltage dividers, laboratory resistors and precision bridges.

"The Commission is the outgrowth of a longstanding need for international standards to provide a means of specifying the salient characteristics of electrical and electronic devices," Dave says. "It is expected that these standards will reflect the views of both manufacturers and users in the member nations and will be a framework from which national standards can be developed."

On the way to Budapest, Dave stopped in London and again on the way back to confer with his counterparts in the United Kingdom. "The US and UK positions on these electrical standards are very close," Dave says. "We were able to muster strong support in the sessions and our position prevailed by and large."

The five days in Budapest were filled with long sessions with very little time for sightseeing, Dave reports. However, he did see some of the historical sites in the city.

"Budapest is a beautiful city with a turbulent history, both ancient and recent," Dave says. "It's a modern city, too, with the worst smog problem I've ever seen."

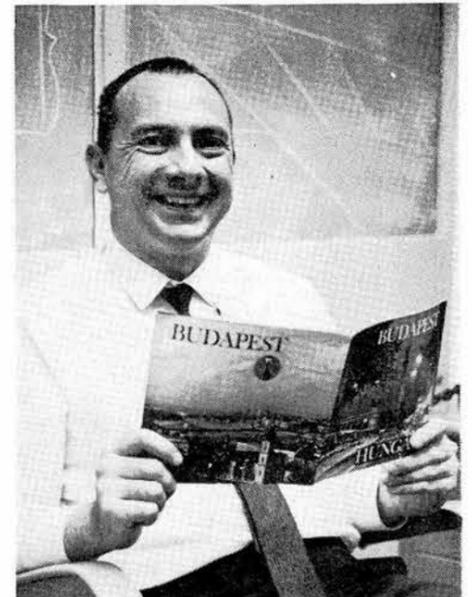
Dave was impressed by the fairy tale castles, other architecture in the city, and the statues in the parks.

Ballet, opera and concerts are a big part of the people's activities. However, there was a feeling in the city that bothered him.

"It was obvious that this was a controlled society," Dave says. "No group of more than two people talked in any serious way. On the streets, in the hotel lobby — anywhere — the people did not talk. But they were very helpful to me when I asked directions or struggled with a menu."

There were a couple of other things. A large boulevard, built by the Russians, is near the center of the city. "Hungarians never use that street," Dave says. "The only traffic on that street is the May Day parade. There is also a park on a hill overlooking the city in which the Russians placed statues honoring Russian 'liberators.' The only people who visit that park are tourists like me."

On the way back, Dave stopped in Philadelphia and reported the results of the meeting to the C-100 committee of the American National Standards Institute. Dave is vice chairman of the committee.



DAVE BRAUDAWAY (7452)
—U.S. delegate to Standards meet in Budapest—

Speakers

W. B. Russell (4363), presentation to Purchasing Agents, 14th Annual AEC Contractors Purchasing Agents Conference, Oct. 13-15, Albuquerque.

L. R. Hill (9111) and W. E. Johnson (SSS, La Jolla, Calif.), "Theoretical Study of Hypervelocity Impact on Rocks," Symposium on Rock Mechanics, Nov. 16-19, Rolla, Mo.

R. T. Meyer, J. M. Freese and A. W. Lynch (all 5224), "Gas Phase Titrations of Laser Vaporized Carbon," Symposium on Thermokinetic Effects in Pulsed Energy Deposition, Oct. 28-30, Albuquerque.

J. M. Worrell and H. H. Wicke (both 1721), "Continuous Decompositions and Certain Base of Countable Order-Like Conditions," American Mathematical Society Meeting, Nov. 21, Pasadena.

J. A. Kahn (5322), "Lamellar Compounds of Graphite," UNM Chemistry Department, Dec. 4, Albuquerque.

L. S. Nelson (5224), "Studies of Condensed Phases at Extreme Temperatures with the Falling Specimen Technique," University of California, Nov. 16, Berkeley.

A. C. Switendick (5151), "Electronic Properties of Metallic Hydrides — A New Theoretical Model," Solid State Seminar, Nov. 19, College Park, Md.

SHOPPING CENTER ● SHOPPING CENTER ● SHOPPING CENTER ● SHOPPING CENTER ● SHOPPING CENTER ●

CLASSIFIED ADVERTISING
Deadline: Friday noon prior to week of publication unless changed by holiday.
A maximum of 125 ads will be accepted for each issue.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Ads be submitted in writing
4. Use home telephone numbers
5. For Sandia Laboratories and AEC employees only
6. No commercial ads, please
7. Include name and organization
8. Housing listed here for rent or sale is available for occupancy without regard to race, creed, color, or national origin.

MISCELLANEOUS

BULLETS. 7.7mm Jap., .314 dia., .375 at 1 cent each. Ristine, 298-8383.

AKC German Shepherd puppies, pedigree includes 2 grand victors, numerous champions, will hold till Christmas, whelped Oct. 16. Tuffnell, 299-1987.

OJOS de DIOS, custom made, from 6" to 24", \$1 up, variety of patterns & colors. Joseph, 299-6989.

SKI BOOTS, Kastinger lace, black, size 5. Schwoebel, 268-6440.

DRUM SET, complete w/chrome snare, 2 toms, cymbals, other extras, 7 mos. old, blue, \$590. Schuch, 298-9924.

PIANO, old but in fair condition, \$125. Baca, 877-1405 after 6.

TYPEWRITER, SMC port., \$19; auto race track on board, \$19; speaker system in walnut cabinet, \$39. Winblad, 344-3109.

USED 20-gal. aquarium w/pump, filter, light, heater, & fish, \$25. Earp, 296-3907.

SKI boots, buckle type, shoe size 10 1/2, \$13. Peterson, 256-7514.

2 JENSON speakers, 12", stereo. Bashaw, 268-4602.

TWO MAG WHEELS, 15" x 8" wide custom, 4-bolt for Maverick, Falcon or Mustang, \$50. Haskins, 282-3742.

4 ROOMS OF FURNITURE, all or part, including 1 nice old walnut dining set. Waldorf, 344-1017.

SEWING MACHINE, Singer, straight stitch, walnut cabinet, \$55; girl's 20" bike, \$12. Koletar, 255-4751.

VICTORIAN corner cupboard, \$300; blue & white bowl & pitcher set, \$45; wash stand, \$50; cash register, \$75; Thunberg, 898-0863.

LADIES golf set, Wilson-Patty Berg, 3, 5, 7, 9, P, 1W, 3W, cart & balls. Philgreen, 256-1956.

HI-STANDARD DURAMATIC 4" barrel new, \$45; 5-spd. port. record player w/stand, \$7; steel popo stick, \$3. Guttman, 299-7031.

DIAMOND RING SET, center stone 1.1 carat, emerald cut, sell for less than half Foggs appraisal. Zaluga, 344-1564.

MAGNUS CHORD ORGAN, \$10. Erickson, 299-6824.

EXECUTIVE DESK, 60" x 32". McNeely, 299-4232.

TEN-MONTH-OLD male Bassett Hound, purebred but no papers, \$45. Hulme, 299-7715.

STEREO speakers, corner enclosure type, w/12" drivers, solid walnut trim, \$120 for pair. Stirbis, 299-5363.

DUOSONIC Fender Guitar w/case, \$135. Romero, 299-5189.

BABY BUGGY/CARBED, \$20; houncer chair, \$8; vaporizers, \$2 ea.; parts for 20" bike, \$3. Corli, 255-1186.

PIN BALL MACHINE, \$35. Overbury, 255-7788.

SMALL ANTIQUES; paintings; 400-day German clock; 2 gilt frame mirrors; 3-piece antique garnet jewelry set; misc. Burns, 1820 Cornell SE, 242-2407.

19" PORTABLE B&W TV, \$40 or best offer; 210cm snow skis w/bindings & poles, \$25. Plummer, 296-0806.

BOSTON TERRIER PUPPIES, AKC reg., 7 wks. old. Volk, 299-1702.

35MM CAMERA Voigtlander Prominent w/3 lenses F 1.5 50mm, F 3.5 35mm, F 4.5 100 mm, light meter, GE PRI, cases & extra viewfinders, \$150. Hodges, 268-5097.

TOY POODLE, black, male, 7 1/2", 11 mos. old; miniature silver female, 2 yrs. old. Johnson, 298-7356.

STUDENT VIOLINS: 3/4 & full size, \$35 and \$50 respectively; boy's 20" Schwinn 5-spd. bike, \$32 or best offer. Copeland, 344-1133.

'69 HONDA 350 scrambler, elec. starter, turn signals, less than 5000 miles, \$500, see after 6 & weekends. Irving, 299-1969.

TABLE TOP electric train; Hot Point mangle; Halcrafters, AM-FM receiver, 27-144 Mhz. Laskar, 299-1024.

4-AMERICAN MAG WHEELS w/4 F70x15 white lettered Goodyear GT tires, wheels will fit Corvette & most other GM cars, mass. tires, & wheel locks all for \$175. Snelling, 268-5895.

5 TIRES '68 VW bus, \$5 ea., '65 Yamaha 250cc Big Bear scrambler overload springs for pickup. King, 282-3186.

LADIES size 7 5-buckle ski boots, \$30; 6' wooden skis, 51" aluminum poles, both for \$30; or all for \$50, used 5 times. Vine, 256-9378.

G.I. JOE: Dolls, equipment, Sea-sled, space capsule & fire truck from 50 cents up; baby mice & gerbils ready by Christmas. Porter, 298-3623.

STD. GUITAR w/hard case, \$20; 2 54" sleds, \$3.50 ea.; girl's white leather beginner ice skates, size 13, \$2. Kluzerz, 298-8057.

TWIN REVERB amplifier, 3 wks. old, \$575 new, sell for \$475. Thatcher, 299-0332.

CAMERA, Minolta SR-1 w/coupled meter, close-up lenses, \$60; 400 mm, F-5.6 Vivitar lens, \$65. Fox, 256-2606.

KIMBERLY solid body 2 pickup electric guitar, \$30; rubber hip wader fishing boots, size 9, \$6; rubber knee high lace boots, size 8, \$4. Shepherd, 299-9056.

MOBILE HOME, 12x46 1 bdr., washer, liv. rm. carpet, northern built. James, 298-4561.

COLLIES, AKC, sable & white, males & females, 22 ch. pedigrees, \$75, terms. Rhoden, 296-2473.

SILVER FLATWARE, Gorman Lyric, six 6-piece place settings, \$300; mink stole, natural, \$80. Harris, 299-6664.

MAHOGANY FINISH living room tables, pair of step tables, \$14; end table, \$7; all three, \$20. Stark, 8212 Pickard Ct. NE, 299-5953.

HO TRAIN PARTS, 28 curved, 14 straight pieces track, 2 switches, 1 power control, 20 piers, \$10. Wallis, 255-2935 after 6.

BOAT, '69 Arrow Glass 17 1/2' Cheetah tri-hull, 70 Evinrude 115 hp, power tilt, 18 gal. tank + 6, bow rail, H.D. trailer, other acces., \$3300. Guzman, 344-9287.

GIRL'S 24" bike, \$5; swing set, \$5. Stephenson, 299-3914.

17" TV CONSOLE, \$20; good leather western chaps, child's size 10, \$10; English breeches, child's size 10, \$5. Bassett, 898-1840.

LADIES Kastinger buckle ski boots, size 7 narrow, \$15. Hollingsworth, 299-8171.

SMITH CORONA port. typewriter, \$35; Stella guitar, \$30; children's ski boots, \$2 and pants, \$4; skis & bindings. Harley, 898-0594.

TYPEWRITER, Underwood, Olivetti, port., \$15. Loemker, 344-0278.

FREE: 1 pr. gerbils, w/w 10-gal. glass tank for \$10. Ferguson, 299-1501 after Dec. 22.

VAPORIZER-Hanksraft cold steamer, \$7. Chaffin, 296-5139.

HO railroad engine, cars, tracks, switches, power supply; 2 7.75x14 4-ply snow tires, \$4 ea. Cave, 299-5066.

GAS HEATER, ceiling mount, 200,000 BTU/H, complete, \$175. Butler, 296-8095.

TYPEWRITER, port. Olivetti, Hesselbarth, 299-5172.

TAPE recorder, Wollensak T-1500 monaural reel-to-reel w/mic., cover, patch cords etc., \$50. Daggett, 299-7957.

HOHNER 80-bass accordion, \$150; white female AKC toy poodle puppies, 5 wks. Christmas, \$50. Olson, 898-0585.

VOX electric guitar, solid-body, twin pickups, \$40; 65-watt Tremelo-Reverb amp, w/2 12" Jensen speakers, \$140. Wichelns, 268-8773.

CARS & TRUCKS

'69 DODGE Charger Special, 2-dr., AC, stereo tape deck, \$2595, will consider trade. McKenzie, 255-8963 after 5.

'57 JEEP sta. wag., 6 cyl., 4-wd, new clutch & battery 50 miles, good 7:00x15 6-ply, all speeds O.K. McHarney, 255-7883.

'64 RAMBLER American 220, std., R&H, \$400. Wheeler, 265-2187.

'67 GMC 3 1/2-ton, 4-spd. pickup, 8-ply tires, '66 Travelqueen camper, toilet, heater, sleeps 5, \$3600. Dollahan, 266-5264.

'64 FLYMOUTH, 58,000 miles, AC, PS, new tires, \$650. Syme, 298-9167 after 5.

'65 WHITE CADILLAC, fully equipped, cartridge stereo, new tires. Smelich, 255-3697.

'68 CHEVY 2-dr. Biscayne, OD, AC, low mileage, below book, \$1395. Browne, 344-9873.

'67 VW SEDAN, 26,000 miles, original owner, \$995 cash only. West, 298-6966 after 6.

'67 CHEV. Caprice sta. wag., AC, PS, PB, blue w/laminated wood, 8-cyl., AT; '60 Chev. Brookwood sta. wag., 6-cyl., 6-pass., std. trans.; '60 Shasta camping trailer, sleeps 6. Vigil, 299-7191 after 6.

'67 PONTIAC Firebird, R&H, PS. Williams, 298-2671.

'64 RAMBLER, 770 sta. wag., white, R&H, new Gates tires in Aug. Costello, 299-0563 after 5.

'67 BUICK Special, 2-dr. HT, AT, PS, belted tires, stereo tape. Martins, 299-3004 before 12:30 or after 5:30.

'65 IMPALA CHEV., PS, PB, air, 396 engine, 4-spd., 2-dr. sedan, new paint. Luna, 877-1053.

'63 MERCURY Monterey, R&H, AC, PS, PB, 4-dr. sedan, electric rear window, lifetime battery guarantee, \$650. Stixrud, 298-0478.

REAL ESTATE

3-BDR., 1 1/4 bath, carpeted, dishwasher, landscaped, sprinklers, block wall, insulated garage, \$120 mo., \$20,800, 5/2% + 1/2%. Baron, 296-4279.

3-BDR., 1 1/4 bath, lg. FR, lg. kitchen, AC, covered patio, walled, 528 Georgia SE. Kent, 256-1221.

5 1/4 FHA, 3-bdr., fp, DR, pantry, built-ins, 1 1/2 baths, AC, landscaped, lg. patio, near Collet Park School. Filusch, 299-5932.

FOR RENT

UNFURNISHED adobe in NW Valley for rent to couple only, \$175 monthly, \$50 damage deposit. Valerio, 345-2173 after 5.

WANTED

TENT w/liner, center pole, approx. 4 adult capacity, will consider any type w/liner. Konnick, 296-3906.

2 EA. 12:00x16.5 tires & rims to fit '67-70 Ford F-250. Fisher, 264-6044 or Bosque Farms, 1-636-2864.

ROUND wooden end tables. O'Bryant, 268-9049.

16" BOY'S BICYCLE. Akin, 299-4242 after 6.

WANT TO RENT 2-bdr. house w-garage NE or SE. Fuller, 256-1593 after 5.

ALUMINUM extension ladder. Garcia, 298-9186.

LOST AND FOUND

LOST—Maroon 3-spd. men's bicycle, key ring w/ about 10 keys, Rx glasses w/clear & brown frames in brown leather case, black stretch gloves, Rx sunglasses, silver roadrunner pin. LOST AND FOUND, Bldg. 832, tel. 264-2757.

FOUND—Black & silver ballpoint w/Masonic emblem, small purple & white violet earring, Silver Cross pencil. LOST AND FOUND, Bldg. 832, tel. 264-2757.

Happy New Year



Claudia Garlick (5314)

Coronado Club Activities

Ring In 1971 at the Club

The year 1970 will end in great style at the Coronado Club on the evening of Dec. 31. The year's biggest bash will also kick off 1971 with champagne, hats, noisemakers, confetti and the music of two swinging bands.

Arlen Asher with flute, clarinet, baritone sax, and the swinging ensemble will hold the upstairs ballroom while wildman Bob Banks with the red electronic Yamaha organ will be downstairs with the Terror Trio.

At midnight, a champagne breakfast will be served which includes scrambled eggs, sausage, assorted muffins, etc., and strong coffee.

The party costs \$7.50 for member couples,

\$10 for guest couples and the idea is to make your reservations right away. The Club's capacity is limited.

* * *

Kids Christmas Party

Tomorrow at 10 a.m. Santa Claus will arrive at the Club with goodies for members' kids 12 years old and under. Ron Day (3134) and Mary Kay have created a new Christmas puppet show for the occasion and cartoons will be shown.

Bring your kids and see the puppet show. The main lounge will be open.

* * *

Teen Holiday Party

Teenagers will celebrate the holidays Monday, Dec. 28, with a group called The Star Sapphires plugged into the bandstand. Carl Bell of KQEO will keep things jump-as emcee of the evening. Member parents should pick up tickets (25 cents for members, 50 cents for guests) at the Club office. The bash will start at 7:30 p.m., end at 10:30 p.m.

* * *

Social Hours

Tonight, social hour with special prices will be held in the main lounge only from 5 to 7 p.m.

With the start of the new year, the Club will resume regular Friday night happy hours. On Friday, Jan. 8, The Four Keys will play for dancing while the Club's kitchen staff wheels out the giant chuck-wagon roast beef buffet. Yolanda Adent will be back in the main lounge for a sing-along starting at 9 p.m.

In the meantime, happy hours continue on Tuesdays from 5 to 7 p.m. in the main lounge.

* * *

Dance Classes

A new series of advanced and beginning dance lessons start at the Club on Monday, Jan. 11. Registration fee is \$20 per couple for either of the 10-week courses. Enroll at the Club office prior to the first session.

* * *

Club Holidays

The Club will be open until 5 p.m. on Dec. 24 but will be closed both Christmas and New Year's Day.

Make Merry But Watch It

National Safety Council statistics show that of the 10,000 fires that occur in American homes during Christmas week, some 420 involve Christmas trees. Ray Cohrs (4551), Sandia fire protection engineer, offers the following suggestions to reduce fire hazards:

1. Obtain a fresh green tree. Shake off old needles.
2. Saw off the butt to expose new wood. This cut need not be at an angle.
3. Place the tree in a container with two quarts of warm water and one-half cup of sugar or syrup. The solution is quickly absorbed and reaches all needles. To prevent fermentation, add about two teaspoonsful of chlorine bleach later.
4. Check carefully all electrical wiring, particularly extension cords which should not feel warm to the touch.
5. Use only non-combustible decorations.
6. Wrapping papers should be safely disposed of. If burned in the fireplace, burn only small portions at a time and keep the screen in front.

For Conservation Work

Human Rights Award to Milo Conrad

Milo Conrad, a staff assistant in Measurements Development Division 9115, has received a Human Rights Award from the Albuquerque Chapter of the United Nations Association. He was honored at the Human Rights Day Dinner last week at the New Mexico Union.

The event celebrated adoption 22 years ago of the Declaration of Human Rights by the United Nations.

Milo was cited for his conservation work in New Mexico, primarily in promoting and protecting wilderness areas. Milo organized the New Mexico Wilderness Study Committee about three years ago and has worked with conservation groups in the state to promote two wilderness areas in the Sandia mountains.

He is currently soliciting support for the proposed Aldo Leopold Wilderness Area in the Black Range between Truth or Consequences and Silver City. His committee has prepared a slide show on the area which has been presented to audiences throughout the state.

Milo became interested in conservation as an outgrowth of his avocation of mountain climbing. At one time, he had planned to climb every 14,000-ft. peak in the United States. He had climbed 36 of the big ones before multiple sclerosis slowed him down five years ago.

"As pressures from modern society continue to build, as more and more people crowd into the cities, the need to get away, to regain perspective becomes important," he says. "I have seen much desecration to our public lands and natural resources. We must act now to protect what's left of our wilderness areas before they are forever lost to future generations."



MILO CONRAD (9115)

—Human Rights Award—

Take Note

The Radio Amateur Caravan Club sponsors Explorer Post 29 for young men 14 to 21 years old who are interested in electronics and ham radio.

Sandians Leon Day (7512) Paul Thomson (4512) and Bob Ter Maat (7223) are advisers to the group. Meetings are held Sundays at 2 p.m. at the KOB radio transmitter. License classes are conducted, and outside activities and construction projects are planned. For additional information contact any of the Sandians mentioned above.

* * *

Members of the championship team in the recent Sandia Laboratories table tennis tournament were Daril Gutscher (1213), Cliff Witten (5161), Lew Larsen (2343) and Mike Finley (3428).

Second place winners were Werner Kuhn (7433), Dwayne Mozey (1211), Dave Northrop (5154) and Don Matejka (9324).

* * *

Low gross winner in the recent SEGA women's golf tournament was Pat Anderson (7291). Rosalie Crawford (1) was runner-up. Low net title was taken by Alma Mischke (4152) and Lucille Eidson (AEC) took the low score-odd number competition. Eleanor Kelly (3251) was tournament chairman.

Wilderness Program Set For Noon Hour Dec. 22 In Theatre Bldg. 815

A colored slide presentation with narration and background music will be presented in Theatre Bldg. 815 during the noon hour Tuesday, Dec. 22. Subject will be the proposed Aldo Leopold Wilderness Area, the Black Range between Truth or Consequences and Silver City.

Aldo Leopold was a forest ranger assigned to New Mexico who first proposed the wilderness concept. His efforts led to the establishment of the Gila Wilderness, the first federally protected wilderness area in the nation.

The Black Range area was part of the original proposal for the Gila Wilderness and is currently classified as a primitive area.

Value Engineering Workshops Keep Rolling Along

Jack Hueter (3134) recently conducted two Value Engineering/Analysis Workshops for AEC contractor personnel. Eleven participants attended a two-week workshop at Los Alamos Scientific Laboratory and 42 attended a one-week session at Goodyear Atomic Corporation, Piketon, Ohio.

Since 1966, Sandia has conducted value engineering workshops throughout the AEC complex for 601 people in 18 sessions at 11 locations, including Hawaii.

Next month Jack will be in Miamisburg, Ohio, providing the training for employees of Mound Laboratory.



A PLANELOAD of Coronado Club members board for the trip to Grand Bahamas Island. The group returned Tuesday after six days in the tropic sun.