

CHECKING IN—New Sandia President George Dacey (right) looks over changes in Tech Area I that have occurred since 1963 when he was Vice President of Research here. Mr. Dacey, who took over Aug. 1 from retiring President Morgan Sparks, comes to Sandia from Bell Laboratories where he

was most recently Vice President of Operations Systems and Network Planning. Mr. Sparks has accepted a new position as Dean of the Robert O. Anderson Schools of Management at UNM.

# **LAB NEWS**

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## The Alarm Isn't Always Bad News

An alarm goes off. Someone or something has penetrated a sensitive area. The security guard must know immediately whether it's just a jackrabbit—or perhaps a real intruder. To help identify the nature of this intrusion is the job of Fred Schow's alarm assessment group in Intrusion Detection Systems Technology Division 1769.

Ensnconed in a quiet corner of Manzano Base, Fred's group specializes in alarm assessment, meaning simply the identifying of who or what has set off an alarm, and video motion detection (using television systems). "We provide the technology for alarm assessment systems," says Fred. "Our group is just one part of Sandia's physical

security development program. We help design video motion detection and alarm assessment systems for different types of high security installations. Closed circuit television, usually called CCTV, technology is often employed. Right now we're designing CCTV alarm assessment systems.

"Working with the people from the exterior sensor group, we start with a map of the area to be protected and divide the perimeter into sectors. Then we decide what CCTV equipment and layout to use. The whole package has to be integrated within the total security system."

Fred's group also works with video motion detectors, devices that analyze the signal from each TV camera, searching for

motion in the scene. If something in the scene moves, the CCTV camera's electronic output changes. The video motion detector "looks" for these electronic changes at various points in the scene. When the system detects movement, an alarm alerts the security force.

"We try to adjust the motion detector to respond only to a human-size intruder," Fred tells us. "We don't want every small animal and bird picked up. The alarm also activates a video recording system, so if a guard isn't at the monitor, the scene can be replayed. Although video motion detector systems aren't widely used today, they hold a great promise for the future.

[Continued on Page Two]

# Afterthoughts

Must vs should--Here at LAB NEWS, which is also called Employee Communications Division (I always have to look it up), we publish other things too, most notably the Weekly Bulletin and Management News Briefs. These come to us in draft form and, if time permits, I usually edit them, trying to read and understand the words not from the perspective of an insider but from that of the average reader, disinterested for the most part, even indifferent. One construction that invariably bugs me goes along these lines: "Employees must submit form 628Y within two weeks ..." and, in the draft, "must" is frequently underscored, giving the entire message a certain shrillness.

My view is that "must" is the language of ultimatum, of master to lackey, of dog-owner to dog. He who utters it should have the wherewithal to enforce his demand, like right now, on the spot. "You must give me a million dollars or I will kill the hostage," says the terrorist, holding a gun to the head of the hostage. "Must" is implicit when the dog-owner says "Come!" because Rex knows he won't get the cookie unless he comes.

But when I see that I must submit form 628Y, I know that, really, not a great deal will happen if I don't drop everything and submit the form. Of course, I'll eventually submit it but in my own good time, salvaging a little dignity in the process. Conclusion: don't "must" those whom you would instruct when (a) you're not about to get instant capitulation and (b) "should" will gain the same end with better grace all around.

\* \* \*

Two-wheel potential--"Man on a bicycle can go three to four times faster than the pedestrian, but uses five times less energy in the process. He carries one gram of his weight over a kilometre of flat road at an expense of only 0.15 calories. The bike is the perfect transducer to match man's metabolic energy to the impedance of locomotion. Equipped with this tool, man outstrips the efficiency of not only all machines, but all animals as well."  
Ivan Illich, Energy & Equity \*js

## Speakers

R. L. Iman (1223), invited papers, "Sensitivity Analysis for Computer Models used in Risk Assessment Associated with Geologic Disposal of Radioactive Waste" and "Rank Transformations as a Reasonable Alternative to Parametric Analysis," Southern Regional Educational Board Summer Research Conference in Statistics, Arkadelphia, Ark., June 16-17.

J. M. Hueter (3521), "Time Management," Staff Training Retreat, Office of Senior Affairs, June 26, Albuquerque.



The British Defense Ministry ordered an investigation to determine how secret U.S. Air Force maps came to be used as wrapping paper by a London furniture company. A Defense Ministry spokesman said the maps came here from Germany but he had no idea how. They were first discovered and brought to the attention of British authorities by a Birmingham customer of the London company.

—Human Nature

Continued from Page One

## Alarm Assessment

"We also evaluate a variety of CCTV equipment from commercial suppliers. Then we make our findings available to potential users, mainly DOE and DoD contractors, but also the military, other government agencies, and the nuclear industry, both domestic and foreign. For instance, right now we're evaluating a compact TV camera that uses a small silicon chip for imaging instead of a larger electron tube, as well as a thermal image camera that responds to heat and can be used in a dark room—the 'picture' is the heat radiated by the body."

Jose Rodriguez (also 1769) describes some of this work: "We're developing a test facility that uses an electronic black box to simulate the intruder. With this, we'll evaluate the performance of a video motion detector in terms of the speed, size, and contrast of a target needed to trigger an alarm. Another problem we're working on is the detection of an intruder approaching over water—the constant wave motion generates false alarms."

"Two technological approaches are represented in video motion detection— analog and digital," says Jose. "Analog is both inexpensive and effective—it uses one camera and can be set up to cover a small area. Digital is more expensive but it does a lot more. It uses many detection points across the scene and, when the sensors pick up an intruder, his path is traced out on the TV by blinking dots that remain on the screen even though the intruder is no longer in view. A digital system can also handle multiple cameras."

"It's all challenging, interesting," says Fred. "We do a lot of information transfer—conference papers and conducting tours for American and foreign groups. The business of detecting an intruder has become a high-technology enterprise."



AN INTRUDER is caught in the act by the intrusion system designed in organization 1769. Jose Rodriguez (left) and Fred Schow follow the action on the TV monitor.

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ALBUQUERQUE, NEW MEXICO  
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Editorial offices in Albuquerque, N.M.

Area 505 844-1053

FTS 844-1053  
ZIP 87185

In Livermore Area 415 422-2447  
FTS 532-2447

john shunny is editor  
&

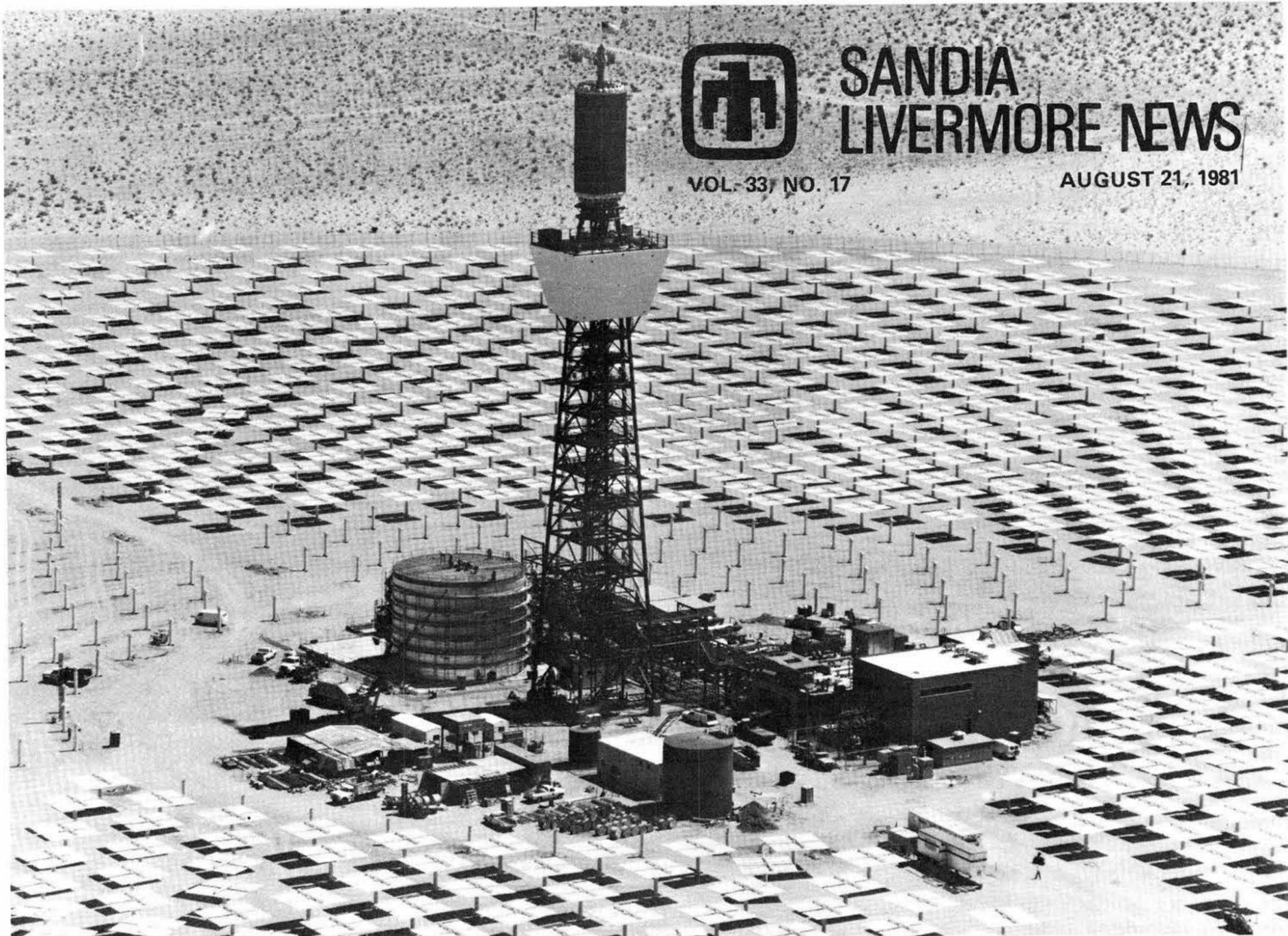
don graham ass't. editor

carl mora & norma taylor write

louis erne does picture work

aided by gerse martinez

barry schrader reports livermore.



WORK IS PROGRESSING at the Solar One 10-megawatt electric pilot plant near Barstow, Calif., with more than 1100 of the 1818 heliostats installed by early July when this photo was taken. The thermal storage tank is completed and filled with the oil and rock and the 300-foot-high tower and solar central

receiver are complete. Steam to the turbine is expected before the end of 1981. Sandia is serving as the technical director for the heliostats' design, construction and installation and will be responsible for plant evaluation for five years after startup.

## Wood Ignition Studies Performed at Combustion Facility

Fundamental studies of wood pyrolysis/combustion have just been completed at Sandia Livermore working with the Weyerhaeuser Company of Tacoma, Wash.

Indicative of the way a national laboratory can work cooperatively with private industry to conduct basic research that may lead to less dependence on oil, the experiment involved making measurements of the burning characteristics of wood samples.

Weyerhaeuser researcher Grant Karsner, using the same apparatus that Sandia developed to study the combustion of coal, plus a wood particle feeder system designed by Sandia but built and tested by Weyerhaeuser, completed his work in one of Sandia's combustion labs in less than three weeks. He collected fundamental information on the residence times required for particle ignition for a variety of reaction conditions.

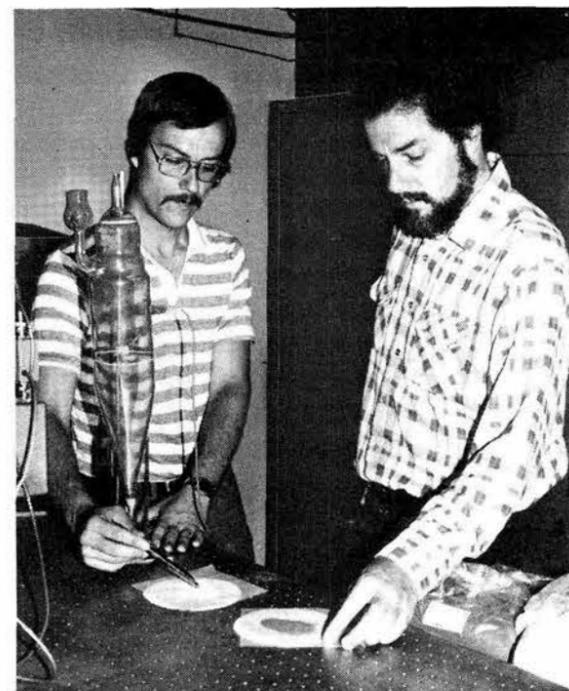
Assisting Grant were Sandians Anne Harrigan, Ken Hencken and Bill McLean (all 8521). Bill explains that since he had been doing coal research of a similar nature it took only a few days preparation on Sandia's part to have the equipment ready for Grant to take data. "In a period of a couple weeks he collected enough data to write a company report, which is a pretty short time scale for doing this kind

of work." Bill adds, "I think this is a good example of the utility of having research facilities available to provide private industry with the tools to do fundamental experiments."

Grant, who does fuel characterization studies at Weyerhaeuser's Energy and Environmental Science Division in Tacoma, said, "This was a rather unique opportunity to come to Sandia. We have realized in a short time some valuable data. Weyerhaeuser is studying ways to improve combustion efficiency. Reproducing Sandia's burner and diagnostic systems would be both time consuming and costly."

As a result of his experiments at Sandia he is now able to calculate how many milliseconds it takes for specific fuels to ignite under controlled conditions. "This is a significant improvement over the types of experiments we were able to do before," Grant says. Included in the study are a variety of fuels: coal, peat, char and wood.

At Weyerhaeuser, a substantial fraction of the basic research that the fundamentals section does is through university contracts where the company provides grants to perform specific tests, but this is the first time they have used the facilities of a national laboratory to conduct experiments jointly.



GRANT KARSNER of Weyerhaeuser, left, and Bill McLean (8521) examine pulverized wood samples used in experiment.

### Congratulations

Joan Hall (8300) and Terry Bersie (8274) married in Livermore, Aug. 2.

### Sympathy

To Carol Flores (8265) on the death of her mother in Stockton, July 14.

# Open House for New Individualized Learning Center Aug. 28

The new Individualized Learning Center (ILC) opens Aug. 28 with an all-day open house. The ILC is operated by Education and Training Department 3520 to provide an independent learning format for Sandia employees who wish to increase their knowledge and/or expertise in a wide variety of technical and non-technical subjects.

"The ILC is a quiet, self-study facility containing 10 individual carrels," ILC administrator Lettie Carrol (3522) tells us. "A carrel is a table with bookshelves that is partitioned off from the others and used for individual study in a library-like atmosphere.

"The ILC format uses videotapes and printed materials. The student takes a course at his or her own individualized learning pace. This permits a more flexible learning situation in which courses are designed to meet the student's specific needs and schedule. Courses may be taken on either a credit or non-credit basis. In addition, specific module/sections or subjects of special interest may be studied without taking the whole course.

"Some ILC courses are directly job-related, such as Nuclear Energy Technology—others are of a specialized or technical nature, such as Metric System or Mini/Micro-Computers. Finally, others are more general, such as medical/health topics or NASA films of the Space Shuttle. The Center is open to all employees; however, supervisory approval is required for courses to be reflected on the employee's personnel record."

The ILC operates from 8 a.m. to 4:30 p.m. And in the future, availability may be



THE NEW Individualized Learning Center (Bldg. 892, Rm. 297) provides 10 partitioned carrels with bookshelves and videotape monitors. The ILC will hold an all-day open house on Friday, Aug. 28, with demonstrations and refreshments.

extended—"If the demand is there," says Lettie.

For information and/or reservations, call ILC coordinator Olivia Harris on

4-3396. The ILC is located in Building 892, Room 297.

So stop by next Friday—there'll be demonstrations, friendly folks to answer questions, and refreshments.

## Medicine—Nuclear War Symposium Set Here

LAB NEWS has received a folder describing a two-day symposium entitled "The Medical Consequences of Nuclear Weapons and Nuclear War," to be held Sept. 25 and 26 at the Convention Center here in Albuquerque. At first glance we took it for one more thinly disguised polemic on things nuclear, but a look at the agenda reveals that the symposium is

taking a serious and objective look at the subject, with many distinguished speakers from inside and outside of the medical profession. It's sponsored by the Physicians

for Social Responsibility. Registration is \$10. If you're interested, send your name and organization number to Symposium, LAB NEWS, and we'll send you a copy.

## Colloquium

### Vector—The Super Tricycle

"Man—The Fastest Land Animal" was the title of a recent colloquium presented by Allan Voigt who helped our species attain that velocious status. Voigt, through his Versatron Research Corporation of Anaheim, Calif., has helped design and build the Vector human-powered vehicle.

The Vector is basically a tricycle encased in a fiberglass and clear, unbreakable plastic streamlined body. Two models were produced at Voigt's home shop garage in 1980: One carries a single rider in a rear-reclining position; the other, two riders in a tandem back-to-back arrangement. Both vehicles have two steerable front wheels; the single is driven by rider foot power, and the tandem uses both foot and hand pedaling. They use many standard bicycle parts—including wheels, a chain-driven power train, and six-speed gearing. A special feature—a 100-tooth front chain ring, was designed to propel the Vector at 60 mph at 82 crank rpm.

The single-rider Vector holds the 200-meter running sprint world speed record of 58.64 mph, achieved in a demonstration for the "That's Incredible" TV program. The Vector tandem reached 62.92 mph at the Ontario Raceway in California last

year. In the one-hour endurance event also held at Ontario, the single reached 36.94 mph and the tandem 46.30 mph, both also world records.

Voigt says that these racing versions are adaptable for street use, although the tandem model with two riders back-to-back is a "crowded little machine." To emphasize its practicality, last year the tandem vehicle traveled the 41.8 miles on Interstate 5 from Stockton to Sacramento at an average speed of 50.5 mph (with special permission from the Highway Patrol and accompanied by a protective escort).

Voigt thinks that his Vector vehicles have good potential as a legitimate sport—perhaps even an Olympic event. He says that 68 mph is possible with present technology. (Picky-picky dept.: The cheetah has been clocked at 70 mph at very short sprints, technically making it the fastest land animal. Ordinarily this would have no effect on a Vector driver unless he's being chased by a cheetah.)

Versatron is a team of five engineers dedicated to the sport of building and racing human-powered vehicles. They're independent of any major companies or



ALLAN VOIGT (left) gives Dave Gryllis a last-minute pep talk before the 6th Annual Human Power Vehicle Championships held at Ontario Raceway in Pomona in May 1980. Dave is driving the single-rider Vector in which he set a world sprint record of 50.84 mph—he subsequently bested that at 58.64 mph in a demonstration for the "That's Incredible" TV show.

organizations, but do accept sponsorships in the form of materials and equipment used in the construction of its vehicles. They started about three years ago and can now build vehicles to order for \$10,000 each. Both Versatron vehicles won races at Brighton, England, last year and are due there again in a few weeks for this year's event. The Vector will be featured on the season premiere of "CHiPs."

# Linda Is Tough On Links

What's the difference between Linda Branstetter (5521) and Nancy Lopez Melton? Well, they were both engineering majors but Nancy dropped out and went into another line of work. Similarity? They're both pretty good golfers.

Linda recently made it to match play in the U.S. Women's Publinx—the 5th Annual USGA Women's Tournament. "This was the first year I was eligible," she tells us. "The Women's Publinx is open only to golfers who don't belong to a private club—I'd been ineligible because I played in Dad's private country club in Indiana. Although there were qualifying sites throughout the U.S., there are none in New Mexico, so I had to go to Phoenix. I was one of seven players who qualified there—120 around the country. In two days of qualifying play, I tied for fourth place, then I lost my first match play.

"I've been playing golf since I was eleven. Dad would practice his swing in the backyard and I'd join him. He started taking me out to the golf course. The golf pro got excited about my swing and gave me free lessons. At 13 I was playing in tournaments around the state. After high school, my game improved considerably—in 1975 and 1977 I was state runnerup, in '79 I won."

Linda has also competed in the Women's Western Amateur, the North & South Amateur, and the National Collegiate Championship. Did she ever consider turning pro?

"No, because I don't like living out of a suitcase," explains Linda. "Most pros need sponsors to support them on tour. For the vast majority of pros it's a real grind—and expensive. You have to pay a full-time caddy, and then there are hotel bills, meals, traveling expenses.

"Even though my golf teacher encouraged me to turn pro, I was the only junior player who didn't go south—that is, to a university in Florida or Texas with a really good year-round golf program. Besides, in my senior high school year, my physics teacher encouraged me to go into engineering. I liked math and physics so I decided to go to Purdue and major in civil engineering. I kept up my golf by joining the Purdue team, and the game's helped me through school by getting me a couple of scholarships. Golf was a form of relaxation and helped take my mind off engineering—although when the team attended a meet I missed lots of classes. Still, it was nothing compared to the schedule at a southern school.

"Golf's been really a fun thing for me. It got me through school and I've made many good friends in the game. I compete in two or three tournaments a year—it's hard to do any more than that while holding a full-time job. I play and practice on weekends, and before a tournament I practice an hour or so every night. Right now, I have a four-handicap. In the future, I'd like to get into the administrative side of tournaments."



CIVIL ENGINEER Linda Branstetter (5521) loses some of her civility when she blows a putt at the Indiana Women's State Amateur in 1979 which she went on to win. When not winning tournaments, Linda can be found at a computer.



**Tennis**—The Base is holding a tennis tournament, Aug. 28 to 31, with registration (\$1 per entry) at the east gym. The tournament is open to all military and civilian people working on KAFB. Contact: S/Sgt. Moreno, 4-1818 or 4-1025.

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**Swimming**—The C-Club's pool and patio will close Aug. 24 to 27 and again from Aug. 31 to Sept. 3, but will reopen at 4 p.m. on the Friday of both weekends and remain open through the weekend (including Labor Day). You can still lap swim during the regular hours, however, even during the closed period. And if swimming isn't your thing, the baby pool will also remain open from 11 to 1 daily during the closed period.

\* \* \*

**Charm & crochet lessons**—The Youth Activities Center will offer a nominal fee if the response by interested individuals is sufficient . . . call 4-9975. (We're running this item as it appears in the KAFB Bulletin because, well, it's not every day you can get charm and crochet in one package. And get paid besides . . .)

\* \* \*

**Rugby**—Tom Padrick (4746), president of the Albuquerque Aardvarks, reports that the team is now starting practice for the coming season. He's looking for new players, all ages and experience levels. Call Tom on 4-0939.

**Volleyball**—The Sandia Volleyball Association announces that play begins in mid-September, and team rosters have to be ready by Aug. 31. There's an \$8 registration fee; Sandia dependents as well as DOE employees and dependents are eligible. Contact Larry Azevedo on 4-3947.

\* \* \*

**Running**—A number of Sandians participated Aug. 8 in the Pikes Peak Marathon Ascent Race—14.2 miles with a 7800-ft. gain in elevation. The races ends at the 14,100-ft. top of the mountain.

Pete Richards (5151) finished 11th overall in two hours and 40 minutes, first

## Fun & Games

in the 40-49 age group.

Others and their times include Ron McCurley (4441), 2:16; Joe Maloney (3542), 3:28; Larry Azevedo (5152), 3:32; Patricia Allen (4724), 3:53; and Bob Fragua (DOE), 3:30.

Jim Harrison (4311) opted for the up and back run the following day and finished 45th with 4:30.

\* \* \*

**Bowling**—The Sandia Bowling Association is beginning its annual membership drive for the 1981-82 season. Sandia and DOE people, including retirees and dependents, are eligible. The \$2 membership fee buys reduced entry fees in SBA fun-type tournaments and qualifies players

to compete for monthly awards. For more information, call Glenn Folkins (4337) or Jan Sisneros (DOE).

The Coronado Club Mixed Bowling League meets tonight at 6 p.m. in the El Dorado Room in the basement of the Club to organize the upcoming season. Anyone interested in bowling in the league is invited to the meeting.

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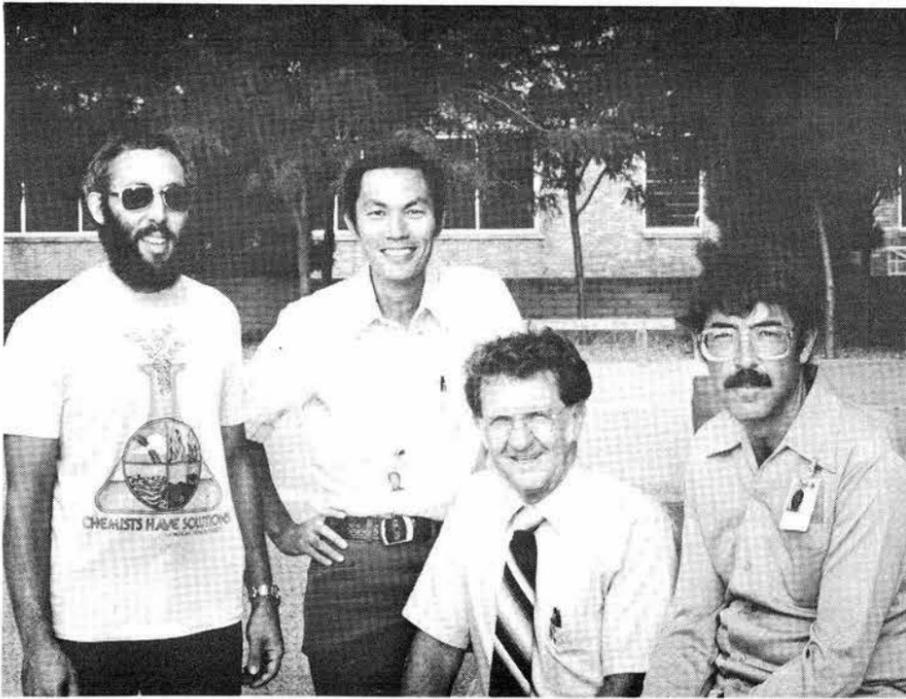
**Soccer**—Sandia's adult men's team, The Misfits, is recruiting new members. A few players, regardless of skill level, are needed. If interested, call Darryl Bouchard (5154), 4-8634.

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**Tennis**—The Coronado Tennis Club has scheduled tournaments for men and women singles and doubles on Labor Day weekend, Sept. 5-6-7. To enter, call Tom Lenz, C-Club recreation manager, on 4-8486.

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**Canoes**—The Base Recreation Equipment Rental outfit, from which Sandians may rent stuff, has recently acquired some canoes and, for \$8.50 per weekend, you can pick one up. The price includes all safety equipment and paddles. And you can even rent an electric motor if paddling turns you off. Call first: 4-4990.



Dave Ginley (5154), Del Owyong (4214), Bob Scipes (3222) and Eldon Boes (4724).

Chris Padilla (2431), Dave Bushmire (2123) and Dick Doyle (3441).

## Supervisory Appointments

**BOB SCIPES** to supervisor of Contract Audit Division (West) 3222, effective July 16.

Bob has been an auditor with the Labs since joining the company in 1963; he was promoted to senior auditor in 1975. He has conducted audits of cost-type contracts placed throughout the U.S. by Sandia's purchasing organization. In his new position, Bob will be traveling less than he did before promotion, and will be responsible for audits of contractors in the western half of the U.S.

Bob earned his BS in accounting from Arizona State. He enjoys tennis and is past president of the Albuquerque Tennis Club. He's also a past president of the Visiting Nurse Service, an agency of United Way. Bob and his wife Arline have four children and one grandchild. They live in NE Albuquerque.

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**ELDON BOES** to supervisor of Photovoltaic Concentrator Technology Division 4724, effective Aug. 1.

In 1974 Eldon took a one-year sabbatical leave from NMSU, where he was a mathematics professor, to participate in Sandia's solar research assessment program. The following year, Sandia began its first photovoltaics project, and Eldon resigned from NMSU to stay on at the Labs and continue his work in this area.

Eldon earned a BS in math from Saint Ambrose College (Iowa) and his MS and PhD, also in math, from Purdue. He is a member of the International Solar Energy Society and a member of the Albuquerque Energy Conservation Council, an advisory council appointed by the mayor. Eldon designed his new passive solar home in SE Albuquerque. He's a beekeeper and enjoys biking and tennis. He and his wife Joan have four children.

\* \* \*

**DEL OWYOUNG** to supervisor of Advanced Laser Technology Division 4214, effective Aug. 1.

Del joined the Labs in January 1972 as a staff member in the organization which he

now supervises. His early work was with studies of nonlinear effects in laser materials. He has continued to work on the development of nonlinear diagnostic techniques.

Del earned a BS in EE from the University of California at Berkeley and his MS and PhD in EE and physics from the California Institute of Technology. He is a member of the Optical Society of America. His leisure time interests included photography, biking, and woodworking. Del and his wife Helen have two children and live in NE Albuquerque.

\* \* \*

**DAVE GINLEY** to supervisor of Solid State Materials Division 5154, effective Aug. 1.

Since coming to Sandia in February 1976 as a staff member in the division which he now supervises, Dave has worked with photo-electrochemical cells and with polycrystalline silicon solar cells.

He received a BS in mineral engineering chemistry from the Colorado School of Mines and a PhD in organic chemistry from M.I.T. He's a member of the American Chemical Society and the Electrochemical Society, and has served as an editor for the latter for one year. He enjoys biking, running, mountain climbing, sailing and woodworking. Dave and his wife Lucy and their eight-month-old daughter Aimee live in the NE heights.

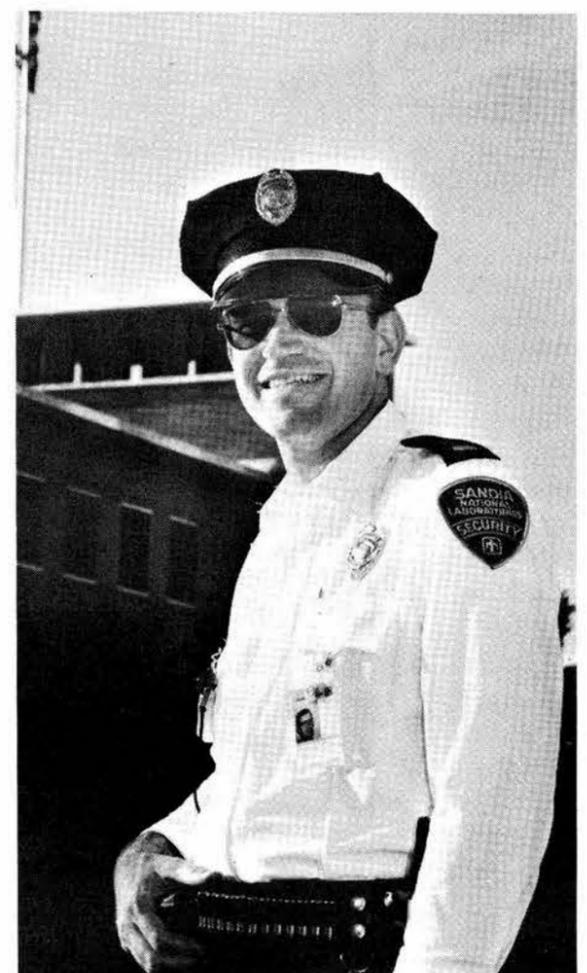
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**BILL WOLF** to section supervisor (Lieutenant) in Security Operations Division 3435, effective Aug. 1.

A Security Inspector at the Labs since March 1978, Bill was formerly a lead guard for four years on the EG&G security force. He was an air policeman in the Air Force from 1966-70, stationed at Manzano Base for the last two years of his tour.

A native of Chicago, Bill likes the wide, open landscape of New Mexico and spends much of his leisure time traveling throughout the state. He and his wife Celene are also astronomy buffs. They have one child and live in the NE heights.

\* \* \*



Bill Wolf (3435).

**DICK DOYLE** to supervisor of Safety Administration Division 3441, effective Aug. 16.

Joining Sandia in March 1957 as a staff assistant in a weapons group, Dick later worked with the underground testing organization, and participated in several Pacific tests. For the past several years, he has been with the Safety organization.

Dick received a BS in ME from UNM in 1968, completing his studies under Sandia's Educational Aids Program. Off the job he enjoys hunting, fishing, and golf. Dick and his wife Bernie have two daughters and live in NE Albuquerque.

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**CHRIS PADILLA** to supervisor of Design Information Processing Division 2431, effective Aug. 16.

Chris has been with the Labs since 1948, working in field test, drafting, systems

[Continued next column]

# Bill Guernsey Flies in Oshkosh 500; Aircraft Wins Wright Brothers Award

Building an airplane in a garage and flying it in the Oshkosh 500 is like a kid entering his hotrod in the Indianapolis 500—then to be selected for the Wright Brothers Award is like a baseball player being voted into the Hall of Fame.

Both of these singular honors went to Bill Guernsey, a machinist in Division 1481, last month.

Bill flew his homebuilt Mustang II (LAB NEWS, Nov. 14, 1980), an all-aluminum 160-hp monoplane, in the Oshkosh 500, a grueling 500-mile race around a pylon-marked triangular course, similar to the 1930s Bendix races, during the annual convention of the Experimental Aircraft Association in Oshkosh, Wisc.

"I didn't fly to win," Bill says. "I wanted to finish. (Five planes went down during the race. There were no injuries.) The competition was fierce—a \$90,000 flying needle designed and built especially for this race—and I knew I didn't have a chance in my two-place weekend sport job. I concentrated on flying well, on being safe and getting the best performance possible from my Mustang."

Bill averaged 161 mph during the race and burned only 19 gallons of fuel—about one-tenth the consumption of an Indianapolis race car. Fuel efficiency counted for extra points in the race. Bill placed tenth in a field of 27 entries in front of more than 200,000 spectators.

The week before, Bill's plane had been selected for the Wright Brothers Award.

This is the ultimate honor in the Experimental Aircraft Association. It is awarded each year by the Association for the most outstanding example of a type of homebuilt airplane—monoplane, biplane, helicopter, metal construction, wood and fabric construction, etc. The award was made at a banquet at the Wright brothers' home during the Dayton Air Fair, an industry-wide gathering of aviation manufacturers and enthusiasts. During the week-long Fair, Bill's Mustang was on special display along with eight other winners.

"It was a great week," Bill says. "I was treated royally. I met astronauts, aviation pioneers, Air Force Thunderbird pilots and talked with my kind of people—others who've built aircraft at home. I also visited with my three brothers who still live in Dayton. Many old friends saw me on TV and called. Just a wonderful, special time."

The Wright Brothers Award is a handsome model of their aircraft mounted on a mirrored base and enclosed in a glass hemisphere. Bill also received a blazer with a golden Wright Brothers Award emblem.

Bill and his son Billy flew the Mustang to Ohio and Wisconsin, dodging summer thundershowers up and back. The plane, which now has 105 hours of flight time, performed "splendidly."

Bill and his son, an engineering student at UNM, spent 12 years building the aircraft. It was certified by the FAA last September.



**BILL GUERNSEY (1481)** displays his Wright Brothers Award, a model of the first aircraft to achieve sustained flight 78 years ago. The award was presented by the Experimental Aircraft Association for Bill's Mustang II, an outstanding example of modern homebuilt aircraft, below.



## Letters

The Editor:

Several months ago a notice was circulated concerning the mandatory use of seat belts on Base. I thought, at the time, that it was ridiculous for the Base to tell us we had to wear seat belts, but I chose to comply and have been faithfully using my seat belt on my way to and from work. I am thankful I had it on Friday morning, July 31st.

I was approaching Wyoming and Comanche when the traffic light turned red. I applied my brakes and realized they had gone out. To avoid hitting anyone, I headed for the parking lot and crashed into a metal pole. The seat belt helped me avoid any serious injuries, and I was back to work the following Monday. I guess that seat belt rule isn't so bad after all.

/s/ Melodie Perkinson—3211

The Editor:

I wondering if your readers realize how many fine folks are encountered through your "Lab News Classified" section. I think it's fantastic.

Since I've been here, I've utilized your classified section often—usually when I need an item and advertise under "Wanted" and so far I've lucked out on every request—at times there was only one call, but it was the right call. I have found, for example, these items: a fountain, an electric roaster, awning, dishwasher, book

analysis and, since 1974, has been supervisor of Product Definition Section 2431-1.

Chris attended UNM, Albuquerque Business College, and has taken courses through the International Correspondence School. He enjoys water skiing, walking, reading and traveling. He and his wife Rita have three children and four grandchildren. They live in NE Albuquerque.

\* \* \*

**DAVE BUSHMIRE** to supervisor of Semiconductor Devices Division 2123, effective Aug. 16.

Dave joined the Labs manufacturing development division in 1957 where he was concerned with the manufacture of discreet semiconductor devices and integrated circuits for both weapon and satellite programs. He was program manager for the first hybrid microcircuits used in weapon programs, and was responsible for the transfer of that capability to Bendix, Kansas City. Since 1978, Dave has been with a systems group conducting advanced development projects for the weapons program.

He received a BS in EE from Carnegie-Mellon University. Dave is a member of the International Society of Hybrid Microcircuits and the Industrial Photographers of America. His hobbies include photography, skiing, sailing, and training horses. Dave lives in SE Albuquerque.

case, three-speed ladies' bike, thimble collection, drafting table and a roll-away bed. Not only were the items what I want and need, but the folks I have dealt with are "outta sight."

Through my dealings I have met several people I'd never have encountered otherwise—great people I now consider friends. Your Lab News has proven to me there are still many great people out there—especially among our own Sandians.

/s/ Virginia O'Neill—3152-3

[Ed. Note: We've long had a suspicion that readers first turn to the ads . . . then look at the rest of the paper. Maybe we should have a "Personals" section . . .]



**RETIRING**—Ernest Lovato (1482), Lloyd Burrigh (3613).



YOUTH OPPORTUNITY TRAINEES met last week for a luncheon at the Coronado Club, part of an all-day program on education and future careers. Luncheon speaker was Bob Garcia (3500), seated, third from left. YOT coordinator is Diana Suina (3533), standing, far right. Fifty-three students are working at the Labs this summer as part of a program which aims at encouraging scientific careers.

## Take Note

The annual Feria Artesana is this weekend at Tiguex Park. The event recognizes the best of New Mexico's Hispanic contribution to the arts with exhibitions, entertainment and food. Artists will display and sell their work—santos, weaving, tinwork, furniture, straw inlay, retablos and quilts. An unusual booth this year will feature an herbalist from Truchas, NM, who will make available her knowledge of the ancient art of healing with curative herbs. Over 100 artists, including writers and poets, have been invited to participate in the festival which is co-sponsored by the Albuquerque Museum, the Hispano Chamber of Commerce and the City Parks & Recreation Dept. Hours for the Feria will be Saturday from 8 a.m. to 6 p.m. and Sunday 9 a.m. to 5 p.m. Tiguex Park is located at 19th and Mountain Road NW across from the Museum.

\* \* \*

The Chamber Orchestra of Albuquerque concludes its summer season with a concert on Saturday, Aug. 22, at 8:15 p.m. in UNM's Keller Hall. The 30-piece orchestra is led by David Oberg and will be joined by cello soloist Joanna de Keyser. Featured are works by Glinka, Kabelevsky and Beethoven. Tickets: at Ticketmaster or, one hour before the performance, at Keller Hall.

\* \* \*

The l'Alliance Francaise d'Albuquerque is again offering conversational French classes—beginning, intermediate, and advanced. The 12-week classes start Sept. 14; fee is \$48. For information, call 821-5788.

\* \* \*

From UNM's Maxwell Museum of Anthropology comes word that volunteers are needed to teach children about anthropology. No experience is necessary. For more information, call Margaret Jumonville, 277-2924.

\* \* \*

Que Pasa Recreation Center on KAFB-East offers a plant swapping night Tuesday, Aug. 25. The idea is that you bring a

## Credit Union Reporter

By Marvin Daniel [2113]  
President, Board of Directors

### Dividends on Savings Accounts

At the request of a number of Credit Union members, the methods used for calculating dividends on various share and certificate accounts are summarized below. In all cases, the dividend rates are examples, but are typical of current rates. Dividends are based on the Credit Union's earnings at the end of a dividend period and cannot be guaranteed. The dividend rates are declared by the Board of Directors each month.

*Regular Share Accounts and Share Draft Accounts*—Dividends on these accounts are calculated on a day-in, day-out basis, compounded daily and posted monthly. (Whatever money is in the account at the end of each day earns interest for that day.) The rates have been constant at 7% per year for regular share accounts and 5½% for share draft accounts. With daily compounding this results in an effective yield of 7.25% on regular accounts and 5.65% on share draft accounts. Example: \$1,000 in regular shares for one year at 7% earns an annual dividend amount of \$72.50.

plant or cutting to the meeting and swap it with someone else who may have something you need. For more info, call 4-5420.

\* \* \*

Que Pasa is also offering guitar lessons. Starting Tuesday, Aug. 25, at 7 p.m., the class will meet every Tuesday. Cost is \$25 a month.

\* \* \*

Sandians are eligible to enroll in a number of classes starting in the next couple weeks at the KAFB-West Arts and Crafts Center. The courses include Chinese calligraphy; framing, matting and mounting; drawing; oil and watercolors; photography; silk screening; stained glass, general pottery, pouring and glazing; basic jewelry and silver casting, lapidary; and cake decorating. Fees for the courses vary depending on the number of class meetings scheduled. For more information, call Arts and Crafts Director Sherryl Zuk, 4-0222.

*Share Certificates - \$1,000 Minimum*—You may choose any term between 12 months and 60 months. The minimum deposit is \$1,000 but the certificate can be for any amount over that. Dividend rates vary depending on the term. The rate changes every other Tuesday and is based on the average 30-month Treasury Bill rate. (However, once a certificate is sold at a given rate, that rate is fixed for the term of the certificate.) Dividends are compounded daily and posted quarterly. Posted dividends may be withdrawn without penalty or may be added to the face amount of the certificate and continue to earn the same interest rate.

There is a penalty for early withdrawal of any portion of the principal. On a 12-month certificate, the penalty is loss of 90 days' dividends on the amount withdrawn or the loss of dividends since date of issue or renewal, whichever is less. On a certificate with a term of 13 months or longer, the penalty is loss of 180 days' dividends on the amount withdrawn or the loss of dividends since the date of issue or renewal, whichever is less. The minimum withdrawal is \$500. If the withdrawal results in a certificate balance below \$1,000, the certificate must be cashed in.

*Money Market Certificates - \$10,000 Minimum*—The term is 182 days. The minimum deposit is \$10,000. The rate changes every Tuesday and is based on the average 26-week Treasury Bill rate. (However, once a certificate is sold at a given rate, that rate is fixed for the 182-day term.) Federal law prohibits compounding of dividends on Money Market certificates but you may choose to have the dividends paid monthly and deposited in your regular share account or share draft account and thus earn interest on those dividends.

The penalty for early withdrawal of any portion of the principal will be loss of 90 days' dividends on the amount withdrawn or the loss of dividends since the date of issue or renewal, whichever is less. If the withdrawal results in a certificate balance below \$10,000, the certificate must be cashed in.

**MILEPOSTS**  
**LAB NEWS**  
**AUGUST 1981**



Jack Howard - 2 35



Larry Bertholf - 2645 15



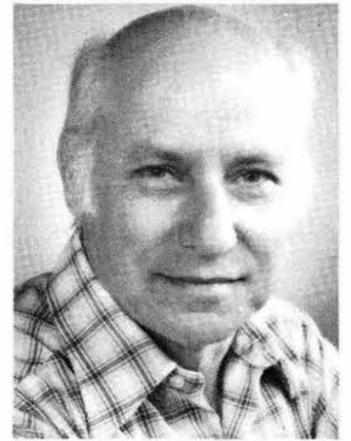
Joe Magruder - 3163 25



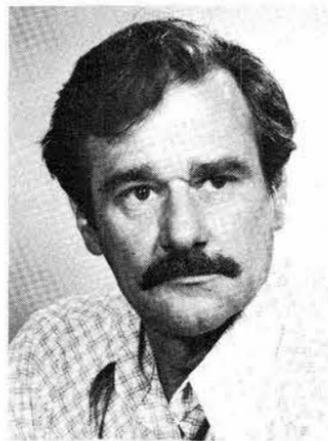
Bill Thompson - 8255 20



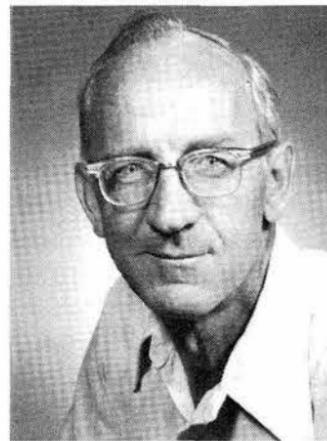
William Carter - 1424 25



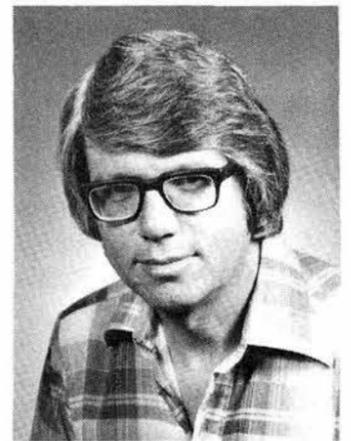
Mickey Rindone - 8444 30



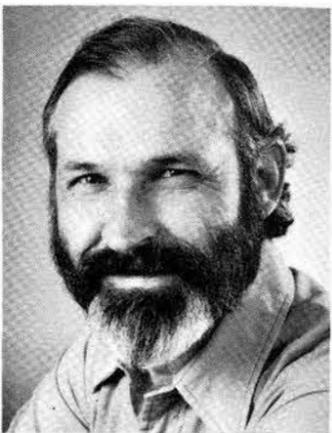
Donald Fogel - 1123 20



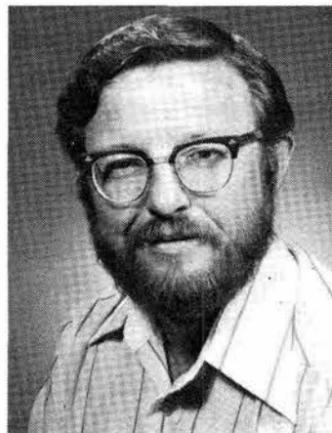
Paul Bailey - 5641 20



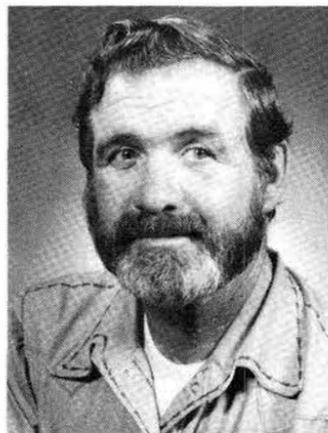
Warren Brown - 1553 10



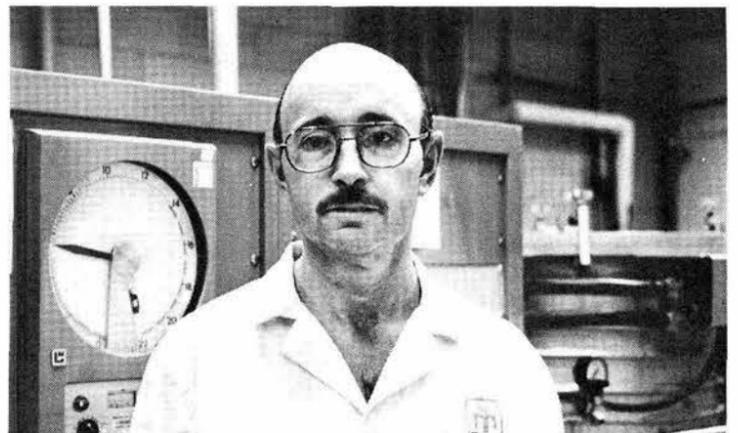
Vic Ham - 8312 20



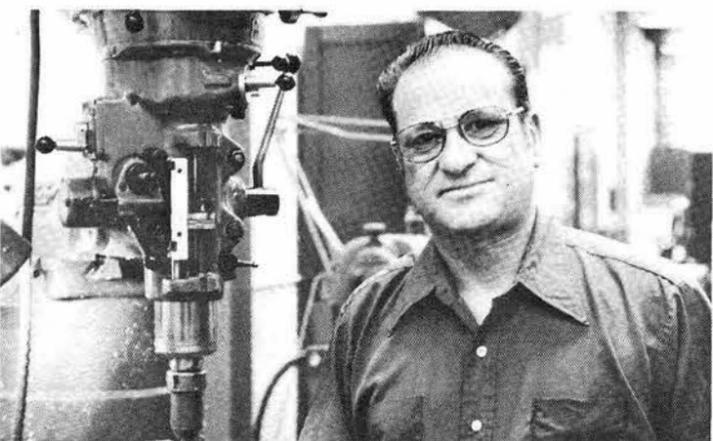
David Berst - 1582 20



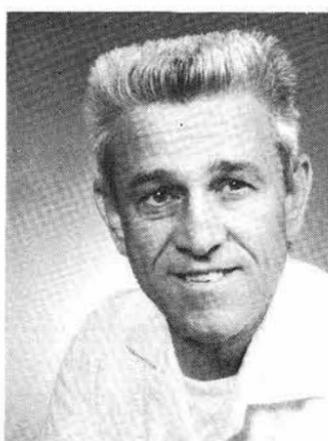
Fred Franklin - 4214 15



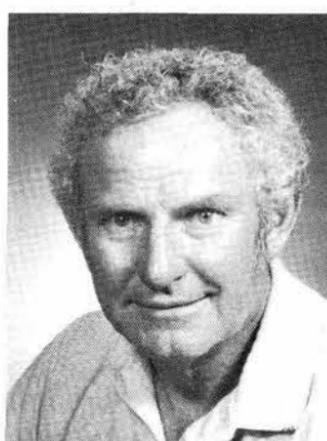
Richard Bryant - 1473 15



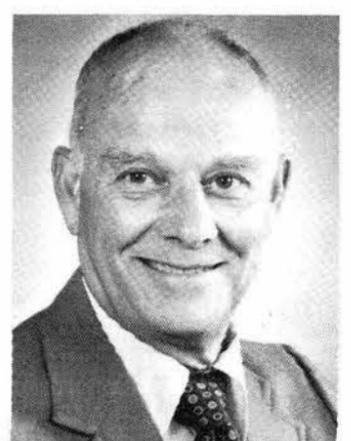
Ernest Cordova - 1482 30



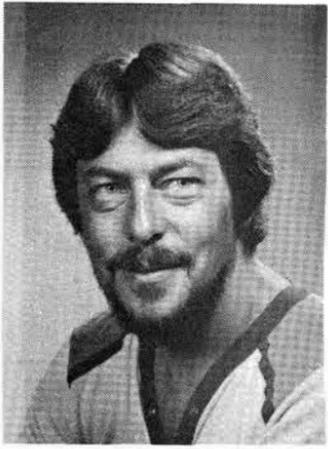
Rene Letourneau - 4363 25



Ira Honeycutt - 1485 30



Ken Finders - 8255 30



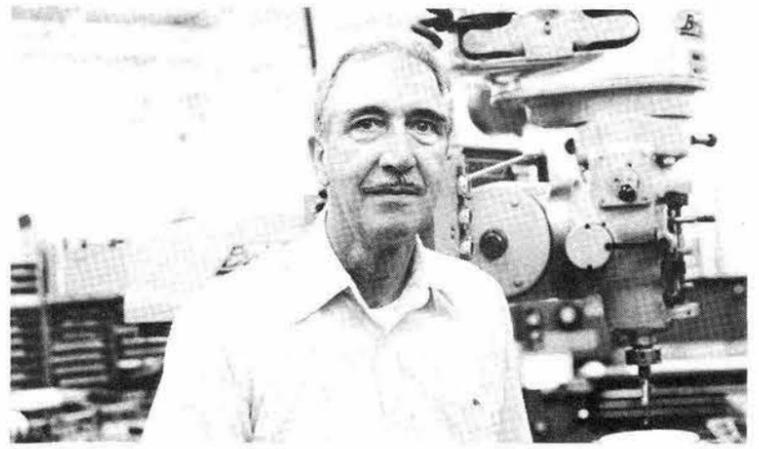
John Strascina - 1472 15



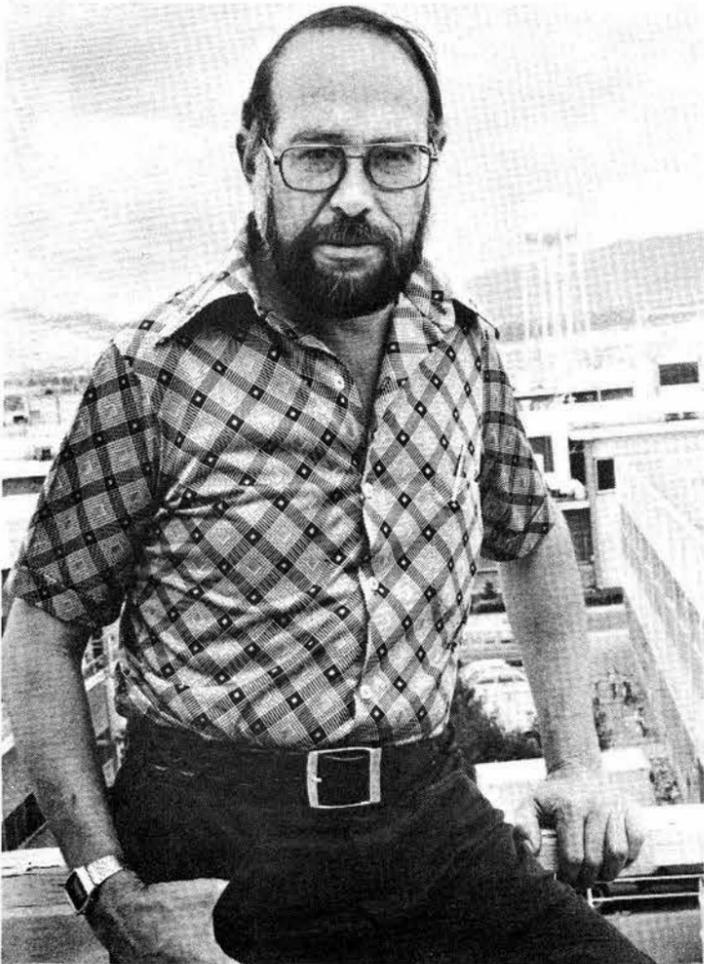
Stephen Neff - 1541 25



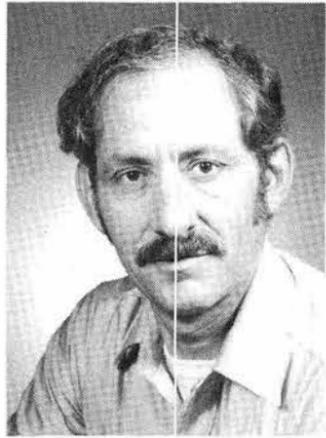
Lois Wade - 3511 20



Bill Drake - 1482 30



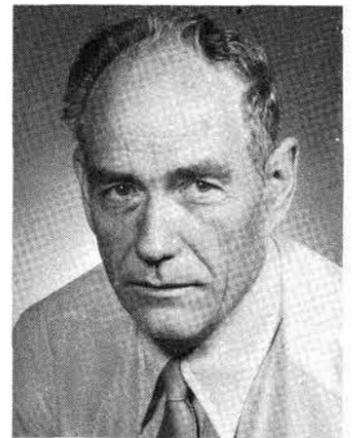
John Garcia - 1482 25



Francisco Gonzales - 4453 15



Tex Arterburn - 1482 35



Leland Allen - 4311 25



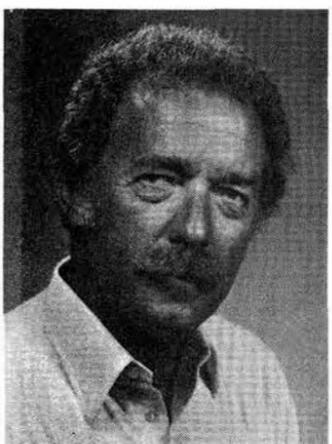
Don Robie - 2335 25



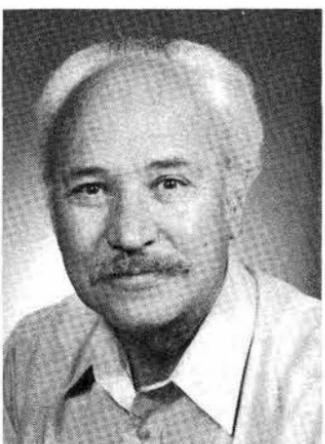
Dorsey Bishop - 1552 20



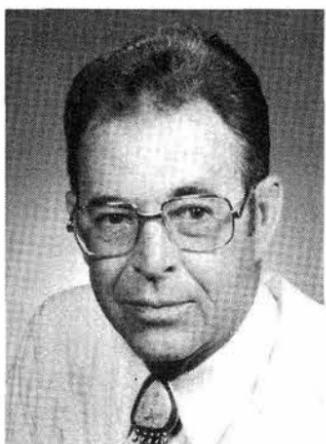
Robert Romero - 1473 10



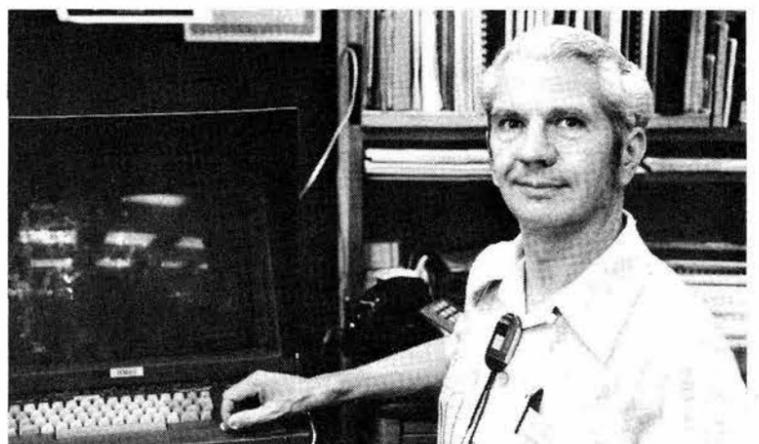
Carl Schuster - 1730 25



Tom McKinney - 2552 30



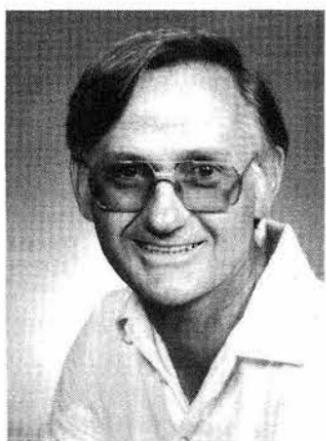
Ray Caster - 1581 30



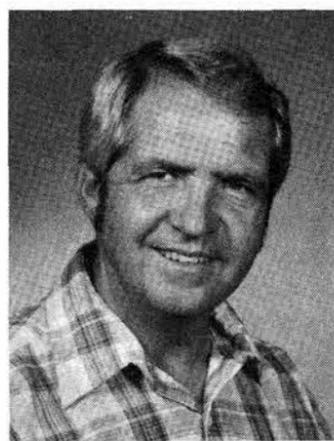
Carl Bailey - 2644 20



Kenneth Shumway - 2436 25



Vernon Duke - 3652 15



Tom Tormey - 5824 25



Harold Houts - 4315 30

# My Favorite Old Photo



[Got an old photo that means a lot to you? Bring it over to LAB NEWS and tell us about it.]

I wasn't born in a log cabin, but I did live in this one when I was an infant. That's great-grandmother Anna Barbara Fortman who came with her husband—in the photo on the chair—from Germany in 1840 to settle in the Michigan wilderness. He built this cabin in which they lived for many years. The photo was taken around 1911. I was cutting down a Lombardy poplar tree a few years back, and the smell of that freshly cut wood instantly reminded me of the woody odor in the old cabin. (Ken Fortman—retd.)

## JUNK • GOODIES • TRASH • ANTIQUES • KLUNKERS • CREAM PUFFS • HOUSES • HOVELS • LOST • FOUND • WANTED • & THINGS

### CLASSIFIED ADVERTISING

Deadline: Friday noon prior to week of publication unless changed by holiday. Mail to: Div. 3162 (M0125).

### RULES

1. Limit 20 words.
2. One ad per issue per category.
3. Submit in writing. No phone-ins.
4. Use home telephone numbers.
5. For active and retired Sandians and DOE employees.
6. No commercial ads, please.
7. No more than two insertions of same ad.
8. Include name & organization.
9. Housing listed here for rent or sale is available for occupancy without regard to race, creed, color, or national origin.

### MISCELLANEOUS

- BRIDGED OVAL RUG, 9x11. Prior, 296-2930 after 6.
- BLACK & DECKER lawn edger & trimmer, \$35. Garcia, 298-8460.
- AGED WOOD pieces suitable for landscaping. Rutledge, 281-1155.
- VTVM, transformers, circuit breakers, relays, resistors, capacitors, motors, blowers, foot switch, wire, trailer anti-swaybars, water tank. Cundiff, 256-0043.
- CHILDREN'S BOOKS: preschool to 2nd; paperbacks; Sesame Street, new & used; activity; coloring; waterpaint; 50 cents & under. O'Bryant, 268-9049.
- AUDIO equipment, dual direct drive turntable, Shure phono cartridge w/spare stylus, \$275; two Beyer dynamic microphones, \$280. Rogulich, 292-3815.
- SNARE DRUM, new head, sticks, stick bag, stand, music, \$125. Fisher, 298-0526.
- NEW solid birch door, 32", regular \$35, asking \$18; 2 for \$35. Chen, 298-2422.
- TESCOM oxy-acetylene torch w/tanks & regulators, plus free lessons & materials for making a silver and turquoise ring, \$300. Gonzales, 836-3039.
- GM toddler car seat, \$20. Reif, 299-2665.
- CARPET, beige 5'4x8'5, \$25; green carpet 12x9, \$35; Westinghouse 6000 BTU AC, \$140. Miller, 266-9377 evenings.
- GE 27" drop-in kitchen range, brown, auto. oven, \$50; Kenmore vacuum cleaner w/powermate, \$25. Alvis, 298-3906.
- BONGOS, tunable, 2-tone wood. Bertram, 294-8350.
- CHOW CHOW puppies, AKC reg., 9 wks. old, \$150. Smith, 299-5060.
- REG. YEARLING, ¼ Arabian stud colt,

- black w/white star on forehead, gentle, well-trained, excellent show potential. Wilson, 281-1453.
- PAIR Krauser motorcycle saddlebags, new, never mounted, \$275. Christensen, 292-1491.
- OVEN, elec., double, built-in, fits 24" cabinet, Sears coppertone, \$150. Verardo, 255-6385.
- PIANO, Wurlitzer blond spinet, \$575; autoharp, Oscar Schmidt, w/case, \$45. Ashland, 299-3267.
- MAPLE FURNITURE: dresser w/mirror, end table, student desk & lg. bookcase. Stoever, 296-3717.
- FIRESTONE 721 radial tires, P215/75R15, used, 6000 miles, set of 4, \$170. McAlees, 821-7894.
- UNICOLOR developing tank w/2 35mm reels & 110 reel, \$8; Bessler 8x10 print drum \$8; 110 neg. carrier for Omega C-700 enlarger, \$10. Kraft, 821-6417.
- GARAGE SALE: Aug. 22, 10-4, twin mattress, foundation, antiques, misc. treasures, 9701 Lona Ln. NE. Maloney, 821-6661.
- '80 CAMARO fiberglass rear window louver w/mounting hardware, \$35. Brion, 298-1761.
- MOTOROLA TEST SET, TU 546 w/speaker, \$50; 35 watt mobile PA system, \$35. Day, 881-2664.
- BRIDGESTONE 185R70/14 steel radial, \$35; car top carrier, \$15. Hass, 299-3506.
- NEW Hohner E-7 clarinet, \$650; Bundy trumpet, \$35; assorted mutes, trumpet/trumpet stand, \$15; marching snare drum, \$40. Whelchel, 293-8775.
- RADIAL snow tire/rims/GR78-15M/S, \$60/pair; 23" Zenith C-TV console, \$50; twin mattress, \$25; '79 refrig., 16 cu. ft., \$150. Kuswa, 821-2315.
- RECORD CABINET, 40"x17"x25", dark mahogany finish, modern design, sliding doors, \$12. Auerbach, 296-1489.
- USED CLOTHING, men's & women's; exercycle, \$50; china, service for 8, never used, \$100; Harris, 821-8524 after 5.
- SEARS 3-spd. bike, new tires & tubes, \$40; Royal port. typewriter, \$25. Hauer, 298-3624.
- EAZ-LIFT equalizer trailer hitch, bolt-on, fits most pickups '68 to '81, \$110. Erni, 268-1721.
- BROWNING CHALLENGER II semi-auto. .22 cal. pistol w/soft case, \$195; antique maple rope-bed, \$250. VanDenAvyle, 898-6474.
- RADIO CONTROL: Royal 6 ch. w/4 servos, all N.-cads, 27 MHz, \$125; 20-gal. aquarium w/occupants, pump, filter, etc., \$30. Madden, 296-1082.
- FOOTBALL SHOES, Adidas size 6, used 2 weeks, \$10; flute, Yamaha, \$180. Hawn, 298-1231.
- BUNDY clarinet w/carrying case, extra reeds, \$75. Lambert, 344-9012.
- AUX. BRAKE LEVERS for bicycle

- hand-brakes, \$2. Kerschen, 821-2848.
- MOTORCYCLE HELMET, Interstate Hawk Dot, blue w/gold stripes, used about 1 mo., paid \$120, asking \$75. Smit, 298-3851.
- RUGER #1-V rifle, 25.06, fancy wood, new in box w/2 boxes shells, \$325; w/6X Redfield, \$415. Brammer, 266-5158.
- SEARS deluxe port. dishwasher w/hardwood top, \$150. Noel, 881-7942.
- RADIAL arm saw, Sears 10", \$175. Hickox, 299-0772.
- BLOCK GARAGE SALE Aug. 22-23, 9-5, east on Montgomery to Cibola Village Dr. then follow the signs. Hartwig, 298-5048.
- TOWING equip., complete set: hitch, ball, towbar, safety chains, quick-connect towlights, \$150. Crowther, 821-0172.
- Persian-type cat, male, neutered, price negotiable. Thompson, 268-2795 after 5 or 298-5800.
- ONE EWE sheep, good breeder for next spring lambs, \$65. Scranton, 869-6589.
- SEASON TICKETS, Lobo basketball, two, Section 23, on aisle, 11 rows up, \$140; parking ticket \$20. Stevens, 299-6086.
- DR TABLE, 6 upholstered cane-backed chairs, full size pads, extra 18" leaf, used 3 times, \$750. Jones, 299-1658.
- FURNITURE: kitchenware, houseplants; fishtank; books; garden tools; etc., drive to Bosque Farms N. Loop, follow signs, Sat., Aug. 22, 8-8. Cooper, 869-2198.
- SKI BOOTS, Montini, men's size 9N, \$25; Head 360 skis, 200 cm w/o bindings, \$50. Keeling, 296-9729.

### TRANSPORTATION

- BMW R100/7, Krauser saddlebags, fairing, luggage rack, Pirellis, electronic ignition, mags, ciberlight, Q-switch, S&W shocks, much more, \$4300. Hesch, 881-9874.
- '78 HONDA Hawk automatic, case saver, windjammer, luggage rack, adj. backrest, 3500 miles, \$1450. Breckenridge, 1-832-4215.
- '73 ROKON RT340 Enduro motorcycle, powered by Sachs 37 HP snowmobile engine, torque converter, extras, \$375. Vigil, 1-832-6345.
- '76 HONDA motorcycle, four cylinder, 400 cc. Marder, 268-9643.
- '77 MONZA cpe., AC, 4-spd., extras, 52,000 miles (60,000 mile warranty), new factory engine at 50,000, \$3100. Gregory, 821-1429.
- '78 K-5 BLAZER, trailering pkg., auto., AC, \$4000 firm; '78 Harley, fully equipped, \$3500 firm. Strance, 298-0258.
- '68 FORD F-100 pickup, 6-cyl., 3-spd., SWB, runs good but needs work, \$800. Zaffery, 294-6768.
- BICYCLE, 3-spd. boys', Columbia,

- \$32. Lewis, 883-8454.
- BRIDGESTONE 10-spd. bicycle, gold, new tires, new cables, \$130. Apodaca, 881-6961 after 5.
- '66 MUSTANG, 3-spd., 6-cyl., AM-FM-cassette, AC, white, orig. owner, \$2500. Christopher, 243-0484, 242-8449.
- '76 TR-7, engine recently overhauled, radio, AC, reg. gas, \$3395. Brewster, 884-8312.
- '74 CHEVROLET ¾ ton, 350, AT, PS, PB, dual tanks, w/camper shell. Weaver, 892-6600.
- 10-SPD. BICYCLE, LeTaureau, Cinelli handle bars, Weinmann brakes, Suntour derailleur, Reynolds frame, alum. wheels, \$300. Orear, 256-1941.
- '79 HONDA CB750-F, windjammer, fairing, cruise control, luggage rack w/lg. Bates box, 43-46 mpg, \$1600. Hawn, 298-1231.
- '80 PONTIAC Phoenix, 4-cyl., 4-spd., AC, PS, PB, AM-FM-cassette-radio, SB radials, deluxe interior, \$450 under book. Weatherbee, 869-2849.
- MODEL-T, 1924, partially restored, body excellent condition, will consider any reasonable offer. Gauerke, 281-5876.
- '67 CHEVY Nova 2-dr. HT, 6-cyl., AT, AC; new brakes, wheel cyl., master cyl., tires, shocks. Sean, 842-8762.
- BOY'S 20" Schwinn bicycle, \$50. Hickox, 299-0772.
- '79 SUBARU GL 4-wd wagon, 52,000 miles, reg. gas, 33 mpg hiway, new tires, recent valve job, skid plate, HD bumper, AM/FM radio, \$4600. Mead, 892-5528.
- '76 DATSUN PU w/shell, \$3500 or trade for Dodge, Chevy or Ford 6-cyl. auto. PU, '72-'76 model. Scranton, 869-6589.
- '69 MUSTANG convert., 351C eng., \$3000; '68 MG-Midget, \$1250; '70 Toyota Corolla, \$500; '50 MG-TD, \$15,000, will negotiate terms on MG-TD. Cooper, 869-2198.
- '78 HONDA MC Twinstar 180cc, \$600. Brainard, 298-8483.
- '79 KAWASAKI KZ-750, 6000 miles, \$1600. Tischhauser, 268-2764 after 5.
- '67 MGB motor just rebuilt; sailboat, 14'; Ford ¾ T pickup; new oversize brakes; camper springs, bicycle built 4/2. Stixrud, 298-0478.
- 125cc HODAKA chassis (no engine), \$10. Douglas, 293-6704.

### REAL ESTATE

- 3-BDR., 1½ bath, bus stop, view of city & mtns., \$32K assumable at 8½%, \$37K equity, 1013 Turner Dr. NE. Taboas, 293-9623.
- '79 LANCER 14x80, 2-bdr., 2 full baths, all kitchen appliances, washer, dryer, adult park near KAFB East. Ferry, 265-3893.
- MOUNTAIN PROPERTY, Angel Fire, ¾ acre lot, developed, \$18,000. Donaworth, 294-4637.

- MORIARTY land, 2.5 or 5 acres, low down, easy payments, close in, elec. & phone available. Fisher, 299-6697.
- 3-BDR. HOUSE located on lg. commercial corner lot, suitable for home & business, 6711 Zuni SE. Denish, 256-1559.
- NE Academy 4-bdr., LR, DR, den w/tp, util. rm., 1½ bath, 2-car garage, 1850 sq. ft., \$76,000, assumable 8½%, REC, low down. Chen, 298-2422.
- FORMER MODEL, 3-bdr., storm windows/door, terraced garden, sprinklers, 4 miles from Base, assumable 9%, \$75,000, 816 Turner. Geer, 298-7914.
- 3-BDR., lg. study (or 4th bdr.), 16x33 FR, Roberson, near Comanche-Eubank, 2200 sq. ft. garden, fruit trees, ½ acre, \$75,000. Talbert, 298-9036.
- GLENWOOD HILLS LOT on Sunset Canyon Dr., interesting terrain, ready to build on, appraised at \$32,000, asking \$28,500. Mauldin, 293-2079.
- RESIDENTIAL LOT in Cenaroca Addition, east off Tramway on Monte Alto, \$31,950. Montoya, 298-4186.
- 20 ACRES Manzano meadowland, 33 miles from Abq.; water & elec. close, \$695/acre, \$195 down, \$140/mo., 9½% Dytzel, 881-4973.

### WANTED

- RANCH OAK furniture: dresser, chest of drawers, end table, etc., acorn brown color. Snyder, 296-5771.
- CANNING JARS. O'Neil, 892-6754.
- AQUARIUM & accessories. Marder, 268-9643.
- BABY ITEMS: bassinette or porta crib & stroller. Gray, 265-1883.
- WHEEL & AXLE for Sears one-wheel trailer, tire size 480/400-8, tubeless. King, 298-2628.
- LASER, Super Sunfish, or the like, w/trailer. Fisher, 881-8072.
- COLLEGE student seeking bicycle rack for Sirocco, not bumper mount; also small refrig. for dorm room. Lane, 884-4566.
- BOY'S 20" bicycle. Kerschen, 821-2848.
- ROOMMATE, non-smoker, needed to help occupy 2-bdr. apt. in Mission Hills, \$145/mo., \$150 deposit. Harrell, 292-6850.
- SANDIANS (retirees & dependents incl.) who perform a service or have a business outside of normal workday, purpose: to compile directory. Wilson, 298-6427, 5-7 p.m.
- GUITAR amplifier, reasonably (slow) priced. Madden, 296-1082.

### SHARE-A-RIDE

- RIDER NEEDED, will pick up, Paradise Hills, Taylor Ranch, Volcano Cliffs, La Luz, Villa de Paz, Coronado Savings. Chaves, 897-3898.

## It's a New Deck and a New Deal

**TONIGHT AT HAPPY HOUR**, king crab legs top the buffet spread while a group called Together holds the bandstand. Guitarist/singer Gary Waters entertains in the main lounge. Next Friday, Aug. 28, will see steamship round of beef as the buffet feature with an extra attraction—burgundy wine, lots of it—included in the \$6.75 cost of tickets. Spinning Wheel plays for dancing. To reserve buffet tickets, call the Club office, 265-6791, by mid-week.

**PATIO COOK-OUT**—On Sunday evening, Aug. 23, the Club's board of directors has volunteered to cook your family dinner from 4 to 6 p.m. Steaks, hamburgers and hot dogs will be available with all the trimmings. Swim in the afternoon, then relax in the patio area for dining in casual comfort.

**TEENAGERS TAKE NOTE**—The first teenage dance of the season is scheduled Wednesday, Aug. 26, from 8 to midnight. Brian Dunn and his Dancing Machine will be wired into the bandstand. Three separate dance contests will be held with albums and cash prizes awarded winners of each. Tickets (\$1 members, \$1.50 guests) are available now at the Club office or pick them up at the door on dance night.

**CORONADO GRANDSQUARES** meet Monday, Aug. 24, with a workshop starting at 7 p.m. and square dancing at 7:30. The club's annual Melon Feast is also scheduled during the evening. Regular Monday night square dancing resumes Sept. 7. A beginning square dance class is scheduled to start that evening, also. Enroll (\$30 per couple) at the Club office for the 15-week course.

**WESTERN DANCE LESSONS** for beginners and another for intermediates start at the Club Sept. 29. Mike Haley is instructing. Sign up at the Club office—\$30/couple.

**CLUB MANAGER** Tom Ross announces a new deck and a new deal.

Starting Sept. 4, traditional Friday night Happy Hour buffets will be replaced with *a la carte* service—sit-down dining with waitresses and menus featuring steaks, seafoods and specials—on both Friday and Saturday evenings at the Club.

On Thursdays, beginning Sept. 3, the Club will offer a Beef 'n Burgundy buffet featuring steamship round of roast beef, vegetables and salads plus a carafe of Burgundy wine at a special price.

Reservations will no longer be required.

**TRAVEL**—The Labor Day charter bus to Carlsbad/Juarez is cancelled, but a trip to the Carlsbad Caverns is now scheduled Nov. 7-8. The tour includes transportation, lunch and other treats on the bus, admission to Carlsbad Caverns, new cave and desert botanical gardens and lodging at the Caverns Inn in White City. Cost is \$65—deposit \$25 now, balance due Oct. 2.

Space remains on the Canyon de Chelly trip Oct. 24-25 for \$78.

The second bus to Las Vegas Sept. 13-16 is about full. The package includes transportation, treats on the bus, lodging, tour of Hoover Dam and more for \$110. Sign up now.

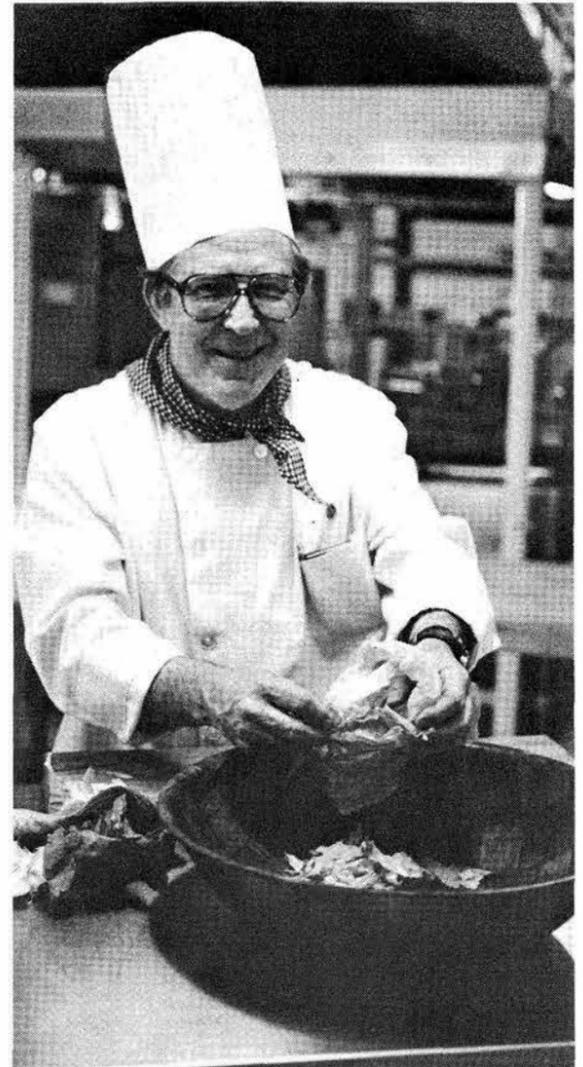
Time is also running short to sign up for either of the two Mazatlan trips (Nov. 2-9 and 9-16, \$369) and the Caribbean cruise (Dec. 13-20, \$1031). The Caribbean cruise rate for double occupancy category 4 cabins is \$1031 per person which will reduce to \$996 if 30 sign up for the trip. For the third and fourth person in a cabin, the total fares are \$675 for adults and \$494 for children. A deposit of \$150 is due right away with the remainder due Oct. 21.

Additional information is available from Frank Biggs (4231), travel director, in the lobby tonight between 5 and 7.



"Body by Fisher," describing a General Motors product, translated as "Corpse by Fisher" in Flemish, which did not help sales. Schweppes Tonic Water was advertised in Italy as "bathroom water." "Come alive with Pepsi" almost appeared in the Chinese version of *Reader's Digest* as "Pepsi Brings Your Ancestors Back from the Grave."

When General Motors put out its Chevrolet Nova, apparently no one thought of foreign sales. Nova, when spoken as two words in Spanish, means "It doesn't go."  
—Forbes



**BILL POTTS**, retired from the Air Force with 21 years in food service management including being head chef at the KAFB-West NCO and Officers Clubs, is the new full-time chef at the Coronado Club. Bill started cooking in his parents' restaurant when he was 12 and has been in the business ever since. During the week, Bill's talents are available for catered luncheons and dinners for group meetings at the Club. He's also responsible for the new Thursday night Beef 'n Burgundy buffets and *a la carte* weekend service at the Club starting Sept. 3.

## Events Calendar

- Aug. 21-23—Zuni Tribal Fair: parade, rodeo, dances, games, arts & crafts, barbecue, airplane show; all day, Zuni Pueblo Fairgrounds.
- Aug. 21-23\*, 28-30\*, Sept. 4-6\*—Albuquerque Civic Light Opera, "Finian's Rainbow," \*2:15 p.m., 8:15 p.m., Popejoy.
- Aug. 21-23, 27-30, Sept. 3-6—Adobe Theater, "The Night of Jan. 16th," 8:30 p.m., 898-3323.
- Aug. 22-23—Indian Market, Santa Fe Plaza.
- Aug. 22—Chamber Orchestra of Albuquerque concert, Joanna de Keyser, cello soloist, 8:15 p.m., Keller Hall, UNM.
- Aug. 22, 25, 27—Santa Fe Opera, "Il Barbiere Di Siviglia"; Aug. 26, 29—"La Boheme"; Aug. 28—"News of the Day," Opera Theater, 9 p.m.
- Aug. 22-23—"Feria Artesana," outdoor festival of arts & crafts, performances, food, all day, Tiguex Park.
- Through Aug. 29—San Ildefonso Pueblo Museum, special exhibit: Tribute to Maria Martinez and her pottery.
- Through Sept. 7—"Nightwalk," an after-dark walk through ruins at Bandelier National Monument. Monday evenings; limit 50 people; reservations, 1-672-3861.

WHEN it comes to security audits, they'll follow you to the ends of the earth . . . Document investigators Pat Ahr and Josephine Arnold (both 3431) are shown in G-tunnel out at the Nevada Test Site. The security audit they were performing was a first at the Labs' division office (1131) in Mercury. Host Adam Trujillo gave the women an orientation tour of the Test Site during the audit.

