



THE LABS latest apprentice class is pictured here. The 32 openings were sought by some 900 applicants. Crafts curricula runs four to five years, depending on

specialty. Full story appears on page five.

LAB NEWS

VOL. 25, NO. 22

NOVEMBER 2, 1973

SANDIA LABORATORIES • ALBUQUERQUE NEW MEXICO • LIVERMORE CALIFORNIA • TONOPAH NEVADA

Introducing Dept. 4230

A People-Oriented Place

Employee Relations is the name of the new department. The title is apt: it's the first Sandia group whose charter it is to relate to all Sandia employees, especially to those who have no easily available communication channels.

"Management is solidly behind us," says Bob Garcia, department manager. "President Sparks, for example, is demonstrating his continuing concern for all our employee relations programs, particularly Affirmative Action. Our weekly meetings, devoted to discussions of employee concerns, are tangible evidence of his sincere interest in removing any barriers that keep Sandia from being a better place to work."

"We're deliberately a small — and therefore flexible — department. We're spending our time and talent on employee problems, not on the administrative details that too often accompany a large department."

According to Herb Pitts, division supervisor, "One of our main activities is the Affirmative Action program. We don't implement or 'enforce' the program — that's supervision's job. But we do have a major role in developing the program, in gathering and analyzing data on the talents of our on-roll employees and of the minority and female

applicants we can expect to recruit in the future. We also conduct briefings and conferences on how well we're doing in achieving our projected goals and, finally, we do the follow-up necessary to assure that the company is progressing toward these goals."

It's a formidable challenge — government and industry across the country are attempting to comply with the Affirmative Action directives. It's seldom easy. But Sandia is determined not to give the program lip service only; Sandia's management is sincerely opposed to discrimination of any type. "That's not to say we're perfect; we're not," says Herb. "We're continually examining the way we do things to see whether we can improve our performance. And we're making some improvements. For example, we've recruited in the same schools for years because we've found good people there. However, the people in our Employment Department and Duane Hughes of our staff have identified other schools with a reasonable percentage of outstanding minority and female graduates. So we've changed some of our recruiting sources."

"Another example — we're identifying the talents of on-roll employees and seeking opportunities for them to utilize their education and experience more fully at Sandia. In addition,



BOB GARCIA (4230) discusses Affirmative Action programs at weekly meeting with President Morgan Sparks.

tion, we're opening educational doors so some of these talented people can qualify themselves for jobs with more potential."

In addition to Affirmative Action, 4230 has developed two other programs directed toward individual employees. Says Joe Danlovic, staff member, "We've learned at Sandia how important it is for all employees
(Continued on Page Seven)

Afterthoughts



Tragedy In The Early Sun--Dennis Mottern, a young metallurgist in Process Metallurgy Division 5533, died this morning (Oct. 26) of head injuries sustained while biking to the Labs along Osuna Blvd. NE. He was struck by an overtaking vehicle whose driver has stated that she was blinded by the sun. Dennis is survived by his wife Sheila and infant son.

I took this photo of Dennis earlier this year in the LAB NEWS office as we discussed formation of the Sandia Runners Association. After a little arm twisting, Dennis agreed to be the group's initial chairman. It now has

about a hundred members, and Dennis was one of that small group of SRA'ers who completed the La Luz Trail race in August. He was a pretty fair runner who put in his daily three-and-a-half miles at the Base gym during the noon hour, usually in the company of running friends. After the run the group would compare times and exchange excuses.

The grinning face in the photo is the Dennis Mottern most of us think of. He had a sense of the comic and was fun to be around. Dennis was enjoying the life that was cut short in this tragic accident. (Dennis' family has asked that contributions be made to the St. Joseph's Hospital Intensive Care Unit in his name. If you prefer, you may make your contribution through the Sandia Runners Association which plans a group contribution.) *js



THE NEIGHBORS COMPLAINED about the wild parties, and the friendly old bookseller and crew have been moved lock, stock, & LAB NEWS to the east end of Bldg. 832 (Personnel Bldg.). Bookstand, whose proceeds help villagers on South Highway 10/14, will continue to operate in new location during noon hour. Book and record donations are always welcomed.

Events Calendar

- Nov. 2 — Sitzmarker Ski Club membership party, Red Dog Dans, 8 p.m.
- Nov. 2 — ASUNM Lecture Series, Dr. Estelle Ramey, president of the Ass'n. of Women in Science, will discuss, "Sex Hormones and Executive Ability." SUB Ballroom, 8 p.m.
- Nov. 2-4*, 8-11* — "The Bad Seed," Old Town Studio, 8 p.m., *2 p.m.
- Nov. 2-3 — St. Jukes Hospital Radio-Thon, KOB.
- Nov. 3-4 — Albuquerque Children's Theater

- presents "The Cat Princess" and ACT Mime Troop in the "Comedians," Popejoy Hall, 1:30 and 3:30 p.m.
- Nov. 4 — N.M. Mtn. Club, Eubudito Canyon, 4-6 miles, Eastdale, 8:30 a.m.
- Nov. 4, 7, 14, 16 — Hockey, Tingley Coliseum, State Fairgrounds, 7:30 p.m.
- Nov. 6 — Albuquerque Community Concert Ass'n. presents Alexander Slobodyanik, Russian pianist, Popejoy Hall, 8:15 p.m.
- Nov. 8 — Albuquerque Symphony Orchestra with Guarneri string quartet, Popejoy Hall, 8:15 p.m.
- Nov. 8-11 — Southwest Arts & Crafts Festival, Industrial Bldg., State Fairgrounds, 10 a.m. - 10 p.m.
- Nov. 9-23 — Gallery One — Navajo rugs from Hubbell Museum collection in Ganado, Ariz., demonstration by Navajo weavers.
- Nov. 10 — Albuquerque Jazz Ass'n., "The Sandia Jazz Corp." and jazz cellist Fred Katz, U of A, 8:15 p.m.
- Nov. 10-11 — N.M. Mtn. Club, White Sands backpack. Call Don Mattox, 296-4149 by Nov. 5.
- Nov. 10-11 — Heart Fund Horse Show, Horse Arena, State Fairgrounds, 7-11 p.m. Sat., 1-5 p.m. Sun.
- Nov. 12 — San Diego Fiesta, harvest and corn dances, Jemez Pueblo; San Diego Fiesta, buffalo and deer dances, Tesuque Pueblo.
- Nov. 14 — Broadway musical comedy, "No, No, Nanette," Popejoy Hall, 8:15 p.m.
- Nov. 16 — Travel-Adventure film, "Swedish Summer," Popejoy Hall, 7:30 p.m.
- Nov. 16-18 — Rio Grande Arts & Crafts Show, Albuquerque Convention Center.

LAB NEWS

Published every other Friday

SANDIA LABORATORIES

An Equal Opportunity Employer
ALBUQUERQUE, NEW MEXICO
LIVERMORE, CALIFORNIA
TONOPAH, NEVADA

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as does norma taylor while
bill taskar takes/makes pictures
&

in livermore lorena schneider does all

Computing Colloquium To Be Held Nov. 6

A Computing Colloquium series begins next week. Its purpose is to inform interested employees concerning computers and their uses. Organized by Ron Detry, supervisor of Applied Mathematics Division 2642, and Vern Havo of Computer Training and Consulting Division 2634, the colloquia will be presented monthly, with video replay a few days later. Initial talks in the series will center on Sandia's wide range of computers and their applications; future topics will deal with advanced technology and computer systems, and the utilization of computers external to Sandia.

The first meeting will be held Nov. 6 at 10 a.m. in Bldg. 815 (inside). Lee Hollingsworth (2600) and Al Iacoletti (2641) will discuss current and future plans for the central computing facility in the computer annex (Bldg. 880). There will be a video replay of this talk in 815 at 1:30 p.m., Nov. 8.

Other scheduled talks include the use of computers in data reduction and playback (Dec. 11, video Dec. 13), and various uses of minicomputers at SLA (Jan. 15, video Jan. 17). Additional talks are being arranged; both Ron and Vern would welcome topic suggestions.

Retiring



Elliott Dopking (8413)

Pete Prasthofer Receives PhD



Pete Prasthofer (8155) was awarded his PhD degree in mechanical engineering recently from the University of California at Davis through Sandia's Educational Aids Program. He is the first Sandian to receive his

PhD under a UC/Davis program which allows students to work on their doctorate while maintaining residency off campus. His thesis was "Dynamic Response of Structures with Statistical Uncertainties in their Stiffnesses."

At the Labs since '69, Pete has been chiefly involved in structural dynamics analyses and studies relating to energy absorption schemes in containment of explosives.

He received both BS and MS degrees in engineering mechanics from Georgia Institute of Technology, and his MS course work was done under a National Science Foundation grant. He is a member of the American Institute of Aeronautics and Astronautics and secretary of the local AIAA Mt. Diablo Section.

Employees Top LEAP Goal

Results of the 1973 Livermore Employees' Assistance Plan (LEAP) campaign show that Sandians upped their average contributions from \$45.50 to \$51.91, representing a 14.1 percent increase over last year. The figure is well above the 10 percent increase in average contributions set by the LEAP committee as the overall goal.

Total pledges amounted to \$37,895, versus last year's \$36,450. Of the over 83 percent of Livermore employees who participated, 105 gave a LEAP share (one hour's pay per month) and 30 contributed a Fair share (one percent of their annual salary).

A pleased Arnie Rivenes (8363), '73 LEAP chairman, commented, "We topped our goal, even with 56 fewer employees. Thanks to each of you who contributed during the fund drive, and thanks to the employees who worked on the committee and to the squad leaders and solicitors for their efforts in making the drive a success."

LIVERMORE NEWS

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Speakers

Monte Nichols (8314), "Proposed Reordering of the JCPDS File to Improve the Efficiency of Computer Search-Match Programs," American Crystallographic Association meeting, June 18-20.

Harry Saxton (8312), Al Jones (8114), Anton West (8313), and Ted Mamaros (8114), "Load Point Compliance of the Charpy Impact Specimen," and Harry Saxton (8312) and D.R. Ireland and W.L. Server (Effects Technology, Inc.), "Analysis and Control of Inertial Effects During Instrumented Impact Testing," annual meeting, American Society for Testing Materials, Philadelphia, Pa., June 26.

Ron Musket (8313) and Walt Bauer (8334), "Surface Analysis Using Proton Beams," International Conference on Ion Beam Surface Layer Analysis, IBM Research Labs, Yorktown Heights, N.Y., June 18-20.

Jim Shelby (8331), "Effect of Structural Relaxation on Helium Diffusion and Solubility in Vitreous B₂O₃," III Rolla Materials Conference: Relaxation Processes in Glass, Baden-Baden, West Germany, June 4.

Pete Mattern (8331), "Effects of ⁶⁰Co Gamma Ray Irradiation on Optical Properties of Natural and Synthetic Quartz from 85 to 300 K," 27th annual Frequency Control Symposium, Cherry Hill, N.J., June.

Dan Hartley (8364) and Ron Hill (5642), "A Focused Multiple-Pass Cell for Raman Scattering," American Physical Society meeting, East Lansing, Mich., June 18.

Sympathy

To Joe Hankins (8441) on the death of his father in Springfield, Mo., Oct. 11.

To Cathy Imhoff (8433) on the death of her brother in Atlanta, Ga., Oct. 7.

To Don (8257) and Rex Richardson (8256) on the death of their mother in Livermore, Oct. 8.

To John Nielson (8362) on the death of his mother-in-law in Sioux Falls, S.D., Oct. 12.

Bill Wilson Awarded Patent



Bill Wilson of Systems Development Division 8362 is co-inventor of a snap-acting ballast release device for a torpedo. A patent for the invention has been assigned to the Navy in his name and those of James Green and

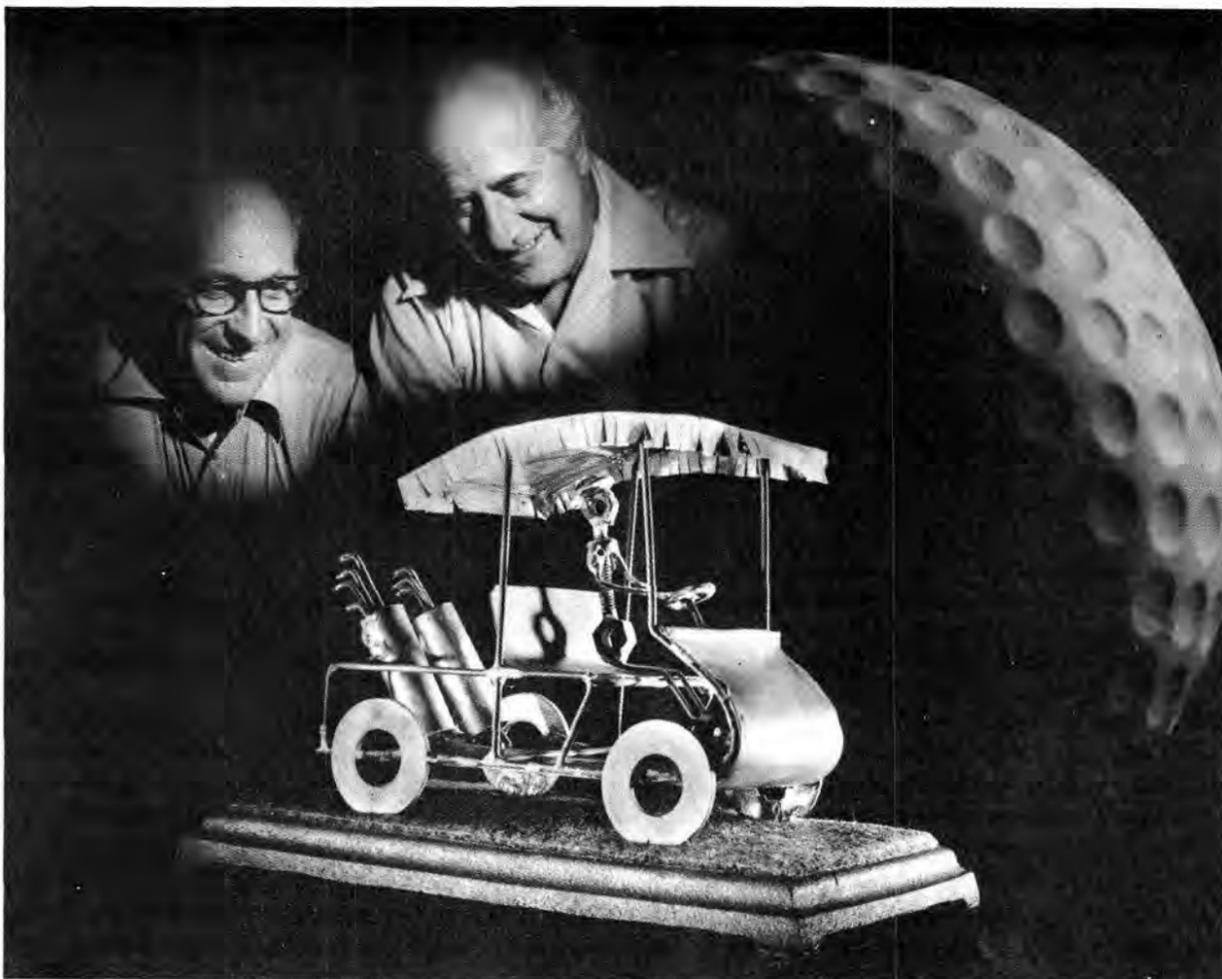
William White. Development was done while the three worked at the Navy's Undersea Center in Pasadena, Calif.

During development, a torpedo is fabricated in both an exercise and a tactical configuration. In the exercise configuration, the warhead section is replaced by instrumentation for diagnostics, and trim ballast is added. To recover the exercise torpedo, it is necessary to disengage this ballast after a run at depth.

Bill's invention consists of a spring steel band with attached ballast circumferentially recessed into the hull. Upon actuation, the band and its attached weights snap free of the torpedo which then becomes bouyant.

Under the Navy's Incentive Awards Program, Bill has been presented a Superior Accomplishment Award. This is his second patent.

Bill holds a BS and MS in mechanical engineering from the University of Washington and the University of Southern California, respectively. He joined Sandia in February 1968.



SPECIAL FIRST PLACE TROPHY in the annual Seniors Golf Tournament, sponsored by the Sandia Employees Golf Club at Livermore's Las Positas course, was won by John Barnhouse (8421), right, with a low net of 66. Using coat hangers, some nuts, bolts, screws and sheet metal, "Ollie" Olivotti (8163), left, built the trophy from a sketch by Roy Tackett (8362). Roy, president of the SEG, and Ollie co-chaired the tournament.

feed back

To get a response to your comments and questions about Sandia Labs, complete a Feedback form (available near bulletin boards) and return it to the Feedback administrator. The substance of questions and responses of wide interest is published in LAB NEWS.

Q. Seems to me the Air Force does not favor bicyclists. We are now required to ride into the Base using the Wyoming traffic lanes — legally OK, but practically an invitation to an early demise. I interpret this to mean the Air Force does not want bicyclists on Base, yet our government (and Sandia Labs too) encourages disuse of the automobile in favor of ecologically sound transportation. How can the Air Force be persuaded to provide better bicycling conditions on KAFB?

A. All vehicles, including bicycles, must now display a decal to enter the Base and, for the AP to check this decal, it is necessary that the bicyclist enter the Base with the flow of traffic. Not enough manpower is available to provide an additional AP for the checking of bicyclists only.

I can report, however, that following inquiry by the Base commander on the subject, a series of recommendations relating to Base bicycling was adopted by representatives from KAFB, the Sandia Bicycle Association, and Safety Standards. These have been presented to the Base commander, and it is our understanding that the Wyoming Gate is to be given first priority.

— L. J. Heilman (9500)

Q. For years I've wondered why we don't attach a box to each Xerox machine marked "Conscience Money." I've noted how much personal copying is done on them and I'm sure people justify this by saying that it is far easier and cheaper to do it here at work than to take the time to run down to one of the local copy centers and spend 20-cents/copy. I'm sure these same people would feel much better about their actions if they could deposit, say, 5-cents/copy in this voluntary "Conscience Money" box. Perhaps there is no mechanism to feed these funds back into supplies and maintenance, but if this is the case the money could be donated to UCF. We might be opening a Pandora's Box with this approach to "humanizing" rigid government regulations, but why not give it a 6 month trial?

A. Government property cannot be used for personal use.

The availability of concessionaire-operated copiers, however, is a different matter, and some thought has been given to this in the past. In 1966, when readily accessible copiers were on the rise, the Laboratories considered the problem of personal copying. At that time a concessionaire was sought but none was available who would risk this venture. We plan to take another look at the possibility of such a system for our employees. Thank you for your suggestion.

— K. A. Smith (3100)

Q. What are the chances that Sandia will be made a DOD laboratory?

A. Considerations of AEC's destiny within the Executive Branch and Congress seem most likely to shape Sandia's future for the next few years. The President has proposed a reorganization of AEC and certain energy-related activities under which AEC weapon-related functions would continue under a new AEC identity — the Energy Research and

Development Agency. At this early date it is premature to speculate over an outcome that is not likely to be final until, according to estimates, a few months to a year and a half or more have elapsed.

Our ordnance engineering talents have been the basis of several million dollar's worth of R & D and procurement effort for DOD. Assuming we continue to work for AEC, or its successor, we can imagine this relationship with DOD continuing or even being expanded.

— W. J. Howard (2)

Q. I am making plans for retirement, possibly in the next year or so. Your answer could have some effect on these plans.

Will there be a "voluntary layoff" in 1974?

A. It is not anticipated that there will be further layoffs at Sandia Laboratories.

The recent layoff, in the spring of 1973, was sized to permit the Laboratories to enter FY 1974 at a personnel level consistent with known programmatic needs and budget plans. Preliminary plans for FY 1975 were also considered at that time.

— D. S. Tarbox (4200)

Q. Thousands of pages of computer paper are thrown away each day which could be saved if there were convenient disposal receptacles at locations where personnel use computers a great deal.

A. In mid-September a program was initiated to accumulate and sell paper which could be recycled. Division 7222 administers the program and, to date, approximately two tons of paper from Buildings 880, 836, 804 and 634 have been salvaged and sold. This program is now being expanded.

At present the amount of recycled paper used by Sandia is dependent on our suppliers; however, we are informed that all computer stock will soon be produced using recycled materials.

— R.J. Hansen (7200)

Skylab and ERTS To Be Discussed

Practical applications for knowledge derived from two recent space projects will be investigated next week at a conference of the Regional Environmental Education Research and Improvement Organization (REERIO). Theme of the conference, to be held Nov. 8-9 at the Four Seasons Motor Inn in Albuquerque, is "Technology Transfer — An Imperative Need of National Scope."

Data from Skylab and the Earth Resources Technology Satellite (ERTS) experiments will be discussed. Representatives of the projects — NASA and the Technology Applications Center at UNM — will participate in the program.

Entitled "Skylab and ERTS — Technology Helps for the Southwest," the conference will include lectures on earth resources, medical science, atmospheric research and environmental quality and control. Sandians presenting talks are: Charles Trauth, Jr. (5251), "Microbiology and the Space Program," and Willis Whitfield (5252), "Space Technology in the Clean Room."

The conference is open to the public.

Take Note

The Sandians, an organization of wives of Sandia Labs employees, will meet Monday, Nov. 5, at the home of Anita Solberg, 6605 Arroyo Del Oso NE, at 7:30 p.m. A representative of the Albuquerque Better Business Bureau will discuss "Layaways and Refunds."

The group is currently seeking new members. Call Carol Hardesty, 294-3430 for further information.

* * * *

Herb Sutherland (5163) will discuss "Dispersion of Acoustic Waves by Fiber-Reinforced Viscoelastic Materials" at the 5100 Seminar Tuesday, Nov. 6. "Low Frequency Power Radiation from Flat Plates and Cylinders into an Acoustic Fluid" will be presented by William Warren (5121) on Nov. 13. The seminar meets on Tuesdays at 8:30 a.m. in rm. 201, bldg. 806.



CAP & GOWN is customary for graduation, but this group opted for informality. They are the graduating machinist apprentice class. From left, Bob Hawk, Henry Martinez, Jerry Brock, Ron Sorley, Tom Hiser, and Ron Ward. Four year's effort is required in this apprenticeship program.

Journeymaldens?

32 Sandians Enrolled in Labs '73 Apprenticeship Programs

Last Monday 32 Sandians spent their first day at school. These students were selected out of some 900 applicants for their interest and ability. In four to five years, when graduation time rolls around, their skills will have been advanced and refined, resulting in a trained group of crafts people to augment the Labs work force.

The school is made up of Sandia's apprenticeship programs; the incoming class consists of five on-roll employees and 27 new employees, including four women.

The apprentice machinist program in 7100 has 10 new members, and runs through an 8000-hour, four-year course. The plant technician-electrical program has four new people enrolled and the plant technician-mechanical program eight. Both programs, 10,000-hour, five-year courses, are in the 7500 directorate. The on-the-job-training (OJT) program enrolled 10 people — six as trainee-development shops and four as trainee mechanical inspection. These programs are also in 7100 and consist of 7400 hours in a

three-year, eight-month period. All programs include in-hours and out-of-hours class work in addition to on-the-job training.

Personnel Department 4250 handled the initial applicant interviews with considerable assistance from three 7100 supervisors. "We screened several candidates for each vacancy," says Ray Clark (4252). "We looked for people who had demonstrated interest in the craft by that extra effort in their education or job experience — high school shop courses, trade or vocational classes, or related work experience."

Names of these candidates were presented to the Joint Apprenticeship Committees, which are composed of an equal number of union representatives and supervisors. The Committees handled the second interview and final selection.

"Those selected are extremely well qualified," Ray continues. "We're pleased to have four women in the program and to note that 15 of the group are Viet Nam veterans."

Supervisory Appointments

GILBERT PADILLA to supervisor of Branch Shops and Mechanical Assembly Section 7145-1, effective Oct. 16.

Gil joined Sandia in September 1962 as a machinist apprentice, and following graduation, worked as a journeyman machinist. He earned a certificate in the Sandia-TI equivalency program and was assigned to the numerical control group as a programmer. In 1971 Gil transferred to the training organization as an instructor in the machinist apprenticeship program.

Gil is a graduate of Valley High School and had worked as an appliance repairman before coming to the Labs. He served eight years in the Marine Corps Reserve. Gil spends much of his spare time on the activities of his church, and as a volunteer juvenile probation officer for Bernalillo County. His favorite hobbies are wood- and metal-working.

Gil and his wife Marge have three daughters, ages 3, 6, and 9, and live at 3616 Aztec NE.

WALTER MYERS to supervisor of Contract Fabrication Section 7111-1, effective Oct. 16.

Walt joined the Labs in October 1954 as a machine cleaner. In 1956 he enrolled in Sandia's first machinist apprenticeship program and, since graduation in 1960, has been assigned to his present organization.

For two years Walt served as president of the Metal Trades Council. He was on active duty with the Air Force from 1955-56, was a member of the Air National Guard until 1959, and now serves in the Naval Reserve Surface Division as a Chief Petty Officer. Walt has attended UNM and has credit hours in industrial arts engineering, education and business. He is a licensed pilot and enjoys hunting, fishing and boating. He is a member of the Mobile Home Owners Association.

Walt and his wife Joanne have two teenage daughters, Shirley and Barbara, and live at 11417 Linn Ave. NE.



Gil Padilla and Walt Myers.



NICK DELOLLIS (5513) was honored recently at a national meeting of the Adhesives group of the American Society for Testing and Materials with the presentation of this award "in recognition of his contribution to adhesion technology through bond mechanism development and for his continuing effort in promoting adhesive technology." Nick's book, "Adhesives for Metals Theory and Technology" was recently translated and published in Japan.



DICK MALONE (right) doesn't work at Sandia but many people think he does. Actually Dick is assigned to AEC's Sandia Area Office and the smile is prompted by a goodie — "a high quality performance salary increase" — here being awarded by Dick's boss Bob Scott. Well done Richard.

Death

Helen Henderson of Accounting Division 4151 died Oct. 25 after a long illness. She was 54.

She had worked at Sandia Laboratories since July 1952.

Survivors include a son and a daughter.



Credit Union Reporter

By Earl Simonson,
(4122)
President



Those Interest Rates

The year has been marked by wide fluctuations in interest rates in the financial world, and your Board of Directors has been watching these developments closely. Our aim — to promote thrift by giving above average return on savings while providing loans at below average rates — remains unchanged. Let's look at the current situation.

Your Dividends and Interest Rates

Since 1970, we have declared a quarterly dividend of 6% Annual Percentage Rate (APR), the maximum allowable under the law. Last year we were among the small percentage — 20% — of federal credit unions paying this maximum.

Recently, the National Credit Union Administration increased the maximum payable to 7% APR. After thorough study of our loan policy, the Board has concluded that we — like most large credit unions — will not at this time be able to pay a 7% dividend. Credit unions paying 7% have a much more stringent loan policy, e.g., a single APR of 12% on all loans; a double rate structure of 10.8% or 9.6% for share secured loans and 12% for all others; no real estate, Title I, mobile home or student loans. In other words, they have a higher rate structure.

Commercial institutions offering 7% or more also have many restrictions — two or four year minimum periods of deposit, a 90-

day no-interest penalty for early cash in following which the deposit remaining accrues only passbook rates of interest (5 or 5-1/4%). And large minimum deposits, \$2,000 or more, are required.

The Board has also concluded that a majority of members endorse the present loan policy under which we can offer more types of loans, at better rates, and still pay higher dividends, than most other credit unions. With this policy we have experienced tremendous growth in spite of decreasing membership (a consequence of layoffs); however, one result is that we currently have \$2,430,000 — 20% of our money — tied up in long term real estate loans at 7.2% APR. We have another \$3,000,000, 24% in 7.2 APR loans secured by Credit Union shares, life insurance, stocks, bonds, and mutual funds.

The Future

We will continue to review both dividend and interest rates with the aim of providing above average return on below average interest rates. It is entirely possible that we will be able to declare a quarterly dividend rate in excess of 6% in the future, but a 7% rate is unlikely without a complete restructuring of our loan policy.

Nominating Committee Appointed

The Nominating Committee has been appointed to find candidates to fill three vacancies on the Board of Directors and two on the Credit Committee. Any member willing to donate his or her time and interested in filling one of these vacancies should contact a Nominating Committee representative: Chairman Joe Miller (4122), Ralph Hampy (2432), Alan Pope (5600), and Karl Waibel (4143).

Sympathy

To Mr. and Mrs. Don Larson (5625), a son, John Michael, Oct. 7.

To Larry (1241) and Molly (4712) Ellis, a son, Scott Jacob, Oct. 19.

Recreation Notes

FUN & GAMES

Sandia Bicycle Association

At the Oct. 21 Bike-A-Thon, eight SBA'ers racked up almost \$1400 for the American Cancer Society, reports chairman Jim Baremore (2132). Gordon Pike (5155) cranked out a staggering 100 miles, Kip Stanley (7133) 75, Al Wilshusen (7613) 60, Bob Bradley (1245) 50, Joel Lipkin (5162) 35, Billy Joe Thorne (5162) 25, Mel Perkins (2132) 20, and Howard Sander (2113) 2 1/2. That latter figure isn't impressive — except that Howard did it on a penny farthing, or high-wheeler, bike. And he found a sponsor to pledge \$2 for every mile he rode, the day's high figure on a per mile basis.

Sandia Labs Tennis Association

Winners in the Fall Tennis Tournament are: Singles — Gay Hopkins (AEC) over Don Hardesty (5131) 4-6, 6-0, 6-2. Consolation round: Dick Traeger (2431) over Bert Lindsay (2113) 4-6, 7-6, 6-2.

In the doubles competition — Don Johnson (2432) and Bob Clark (2523) over Bill Poole (9441) and George Dennis (AEC) 6-4, 6-3. Consolation doubles — Ron Andreas (5722) and Bob Peurifoy (1500) over Jim Schirber (5150) and Herb Pitts (4232) 11-9, 6-4.

Sandia Runners Association

(See Afterthoughts for some words on the sad loss of SRA Chairman Dennis Mottern.)

SRA was well represented by the indomitable Pete Richards (5132) in the Oct. 21 running of the Albuquerque Marathon — 26 miles, 385 yards. Pete with a time of 2:57 took a very respectable seventh overall and first in the seniors division (35-39). John Kelly (5242) also ran and completed, while Bob Jeffrey (1231) was forced to drop out with foot problems after 13 miles. Pete says he dropped four pounds in the race and confesses his legs were "a little tired" the last six miles (but he ran next day).

Upcoming Road Runners events: Sunday, Nov. 4 at UNM, playing field east of Johnson Gym, 2:10, Men's Intermediate, 4 miles; 2:40, Men's Run for your Life, 1 1/2 miles; 2:55, Women's Open, 1/2 mile; 3:00, Men's Open, 2 miles; 3:15, Women's Run for you Life, 1/2 mile; 3:20 Men's Novice, 3 miles.

How about that? We have our first female member — Barbara McHaffie, org. 4256. How far will she go? "Four miles," says Barbara. Welcome aboard.

Authors

P.B. Bailey (5121) and K.J. Touryan (5640), "Continuum Electrostatic Probes in the Presence of Negative Ions: A Numerical Solution," Vol. 11, No. 9, AIAA JOURNAL.

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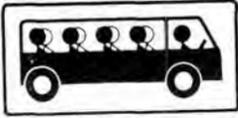
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J.B. Gerardo and A.W. Johnson (both 5212), "1730-A Radiation Dominated by Stimulated Emission from High-Pressure Xenon," Vol. 44, No. 9, JOURNAL OF APPLIED PHYSICS.

P.M. Richards (5132), "Magnetization of a Random Ferromagnet," Vol. A44, No. 6, PHYSICS LETTERS A.



IN PRE-DAWN HOURS of Oct. 19, staff of instruments and Sensors Division 1255 ready a 4900-lb. payload of atmospheric measurement instrumentation for flight to 92,000 ft. on a huge balloon. Experiment was highly successful, according to Keith Smith, 1255 supervisor, with all instruments functioning as planned. "It was the most comprehensive measurement of upper atmosphere conditions ever made," says Frank Hudson (4712), scientific advisor, "with a wide range of data taken simultaneously and over an extended period of time." The balloon was launched from Palestine, Texas, achieved altitude prior to sunrise, and remained aloft for 16 hours. It drifted across two states and finally was brought down near Geiger, Alabama. Payload was recovered intact and reusable.



Bus Notes

A Status Report — Sandia commuters are currently riding four city and three rural buses morning and evening. An estimated 6000 passenger miles are racked up daily by the seven buses in providing transportation to the Sandians — miles that would otherwise be accumulated on private conveyances.

Success? Not really: (1) two of the city buses are crowded, one seriously (10 to 20 people standing in the aisles each day) (2) Sandians in several parts of the city — the South Valley, the area east of Juan Tabo, the Moon-Eubank area — would like bus service, but no equipment is available from the city (3) the rural buses, which are not subsidized by any governmental agency and thus must return a reasonable profit to the carrier, are seldom fully loaded; therefore their future is far from assured (4) until such time as these rural buses are better supported, no carrier is willing to consider new routes, such as Corrales-Paradise Hills.

Some possible solutions: (1) a letter from our Employee Transportation Committee was sent to the head of the City Dept. of Transportation, and it requests that the four new, small buses arriving shortly be used on uncrowded regular routes and that the full-sized buses thus freed be used for Sandia commuters; however, other companies are beginning to clamor for bus service too, so the city may decide to allocate spare buses to them (2) the same letter requests an opinion as to what objections the city would have if a private carrier offered us commuter service within Albuquerque (3) if the carrier requests a permanent license for the mountain route from the State Corporation Commission, the Employee Transportation Committee and the County Planning Department will ask permission for the bus to carry non-Sandians to and from town and thus increase, perhaps significantly, the average load carried (such permission is apparently impossible for the Los Lunas and Belen buses — both communities are served by an interstate carrier) and (4) if gasoline prices continue to climb (what else?), rural commuters may well find the buses attractive enough to support — if they're still operating by then (again, other companies are asking the carriers for buses to serve their rural commuters).

That's where we are now. A month, six months from now, who knows? Suggestions anyone? •bh

Retiring



Fred Krauss (9516)



Higher Premiums

Lovelace-Bataan

Mastercare

"Medicine's success in the treatment of acute illness and injury now makes it possible for it to turn to the promotion of health."

— from "Life and Death and Medicine," *Scientific American*, September 1973

A year ago Albuquerque Sandians were given an opportunity to join one of two innovative prepaid health plans — the Lovelace-Bataan Health Program, a joint effort of the Lovelace Clinic physicians and Bataan Hospital, or MASTERCARE, a cooperative effort by Presbyterian and St. Joseph Hospitals and participating private physicians. These two new plans were offered as alternatives to the more conventional indemnity form of coverage available through the Equitable Health Care Plan.

As the quotation above suggests, the new plans are pioneering ventures — both include "promotion of health" as well as the traditional "treatment of acute illness and injury." The availability of two such plans, one based on a consortium of hospitals and private physicians, the other based on a hospital/clinic with associated physician group practice, makes Sandia unique throughout the U.S.

Unlike an end product of R & D work in the physical sciences, the outcome of a pioneering venture in any of the social sciences is seldom precisely predictable. When that pioneering venture involves a shift from the traditional in an area as fundamental as health care, it's a social change of some magnitude — success overnight is highly unlikely. Changes based on the first year of experience are to be expected. But the point is that the concept underlying the plans has proved workable, a cause for satisfaction among Sandia's Benefits people, the plan's governing bodies, and all of the participants both Sandians and the health service providers.

The governing bodies include a consumer representative board for each plan: for MASTERCARE, Carrol McCampbell (2310), Mary Quigley (3131), Sam Mancuso (4121), Herb Pitts (4232), and Don Bliss (7134); election of consumer representatives

to the Lovelace-Bataan board is in the offing.

Over half of the Sandia Albuquerque employees enrolled in one of the prepaid health plan alternatives offered last November. That's impressive; in other areas where a prepaid plan has been offered, about 10 to 20% of those eligible select it.

The first year's experience, together with actuarially based assumptions, led to the changes which are being made in the plans for 1974. Early next week, each employee will receive a Comparison of Benefits Matrix and a Sandia Bulletin highlighting benefit changes and enrollment information. In addition, subscribers in each of the prepaid plans will receive a direct mailing regarding their health plan's status and the reasons for any changes.

Sandia has for several years been paying the full cost of the Equitable Health Care plan premiums. This contribution level (\$18.53 for single, \$47.32 for family coverage per month in 1974) serves as the basis for payment to the prepaid plans. The employee via payroll deduction pays the additional premium amount required for the greater coverage provided by the prepaid plans. The monthly payroll deduction for MASTERCARE will be \$7.52 (single) and \$20 (family) versus \$3.90 and \$12.92 currently. The Lovelace-Bataan Program will cost \$5.92 (single) and \$17.12 (family) beyond the Sandia contribution. Currently it's \$4.64 and \$11.22.

Employees are invited to study the information available and determine which one best meets their needs. The enrollment period ends Nov. 30. Any employee continuing with his present form of coverage needs to do nothing. (It should be noted that the prepaid programs are not yet available to pre-1973 retirees.)

A votre santé!

Technical Society Meetings

ASME — Nov. 16, Paradise Hills Country Club, 6:30 p.m., Speaker — Congressman Manuel Lujan, Jr.
ASQC — Nov. 20, Bonanza, 5717 Menaul N.E., 7:30 p.m., Speaker — Les Ball (NASA), "QA of Development of Skylab Program."



Naomi Kelly - 7333

10



James Mashburn - 9484

15

MILEPOSTS

LAB NEWS

November 1973



Emilio Lopez - 7134

25



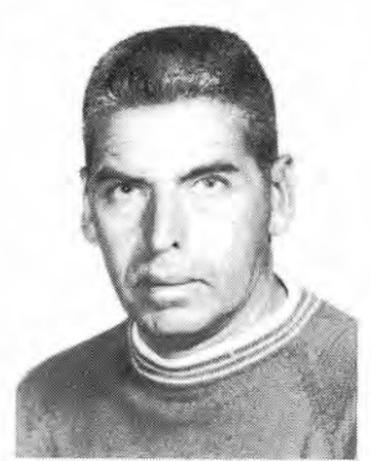
Harold Christenson - 7221

25



James Stoever - 5226

20



Edward Martinez - 7517

25



Ed Jenkins - 7553

15



James Jackson - 7222

15



Florence Lenz - 8433

10



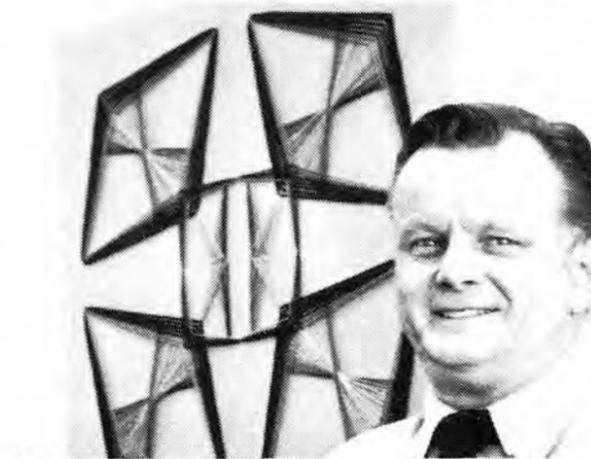
William Jacoby - 2132

15



Herb Plagge, Jr. - 9311

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Craig Summers - 7111

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L. K. Renfro - 7515

15



Lloyd Rothacker - 8257

15



Donald Fulton - 9331

15



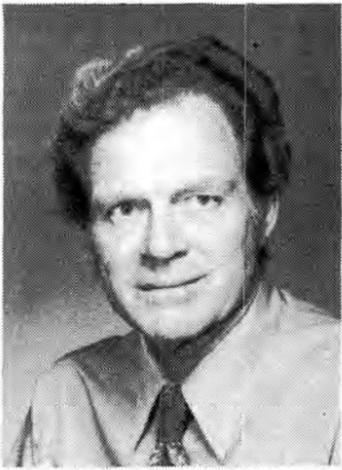
Doreen Westfall - 7332

20



Albert Disch - 2131

15



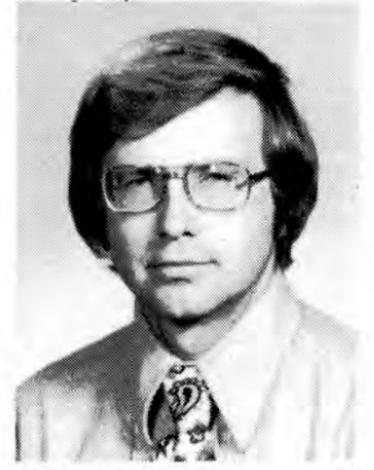
James de Montmollin - 1230 20



Tom Hobart - 7146 10



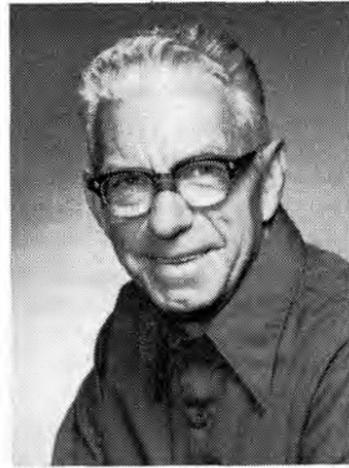
Nancy Nelson - 7626 15



James Harris - 2521 10



William Dobbins - 9534 25



Silas Shane - 7512 20



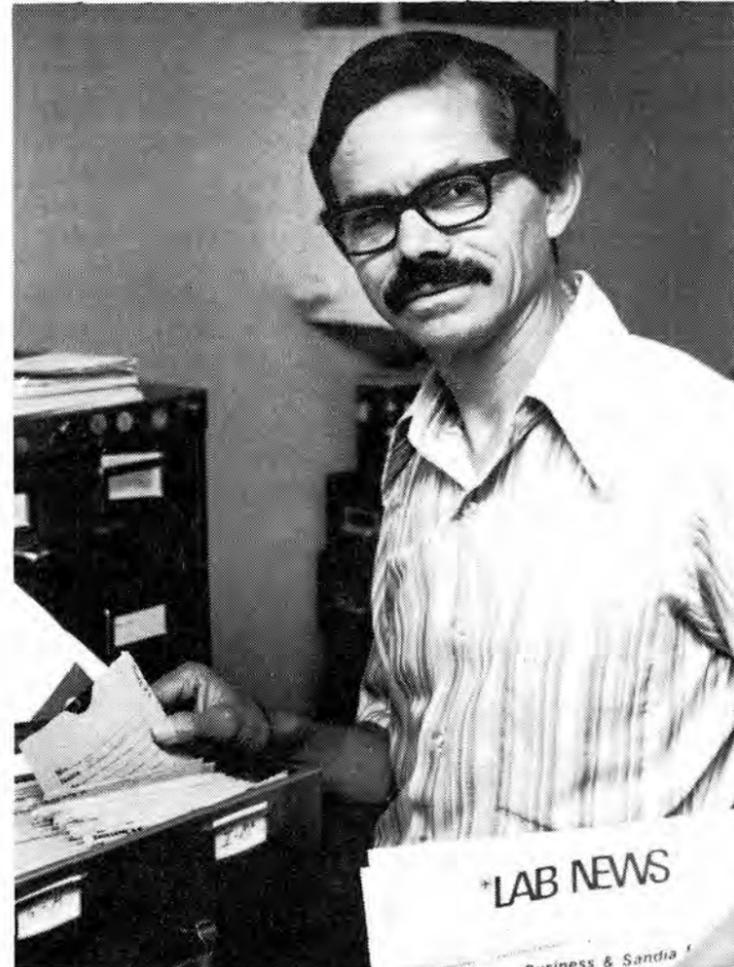
Robert Yoder - 6020 25



Edward Ehrman - 2434 25



Richard Bohannon - 9333 25



Gerse Martinez - 3162 15



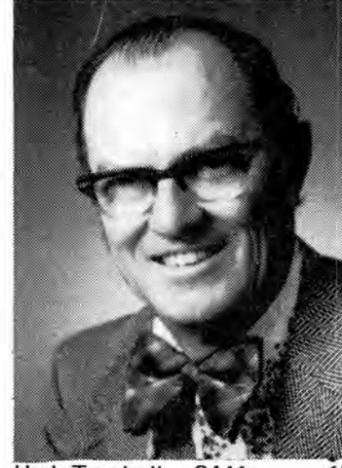
Edward Ames - 1116 25



Raymond Gorney - 7146 25



Paul Langdon - 2514 25



Herb Turnbull - 8441 15



Tony Chavez - 7517 25



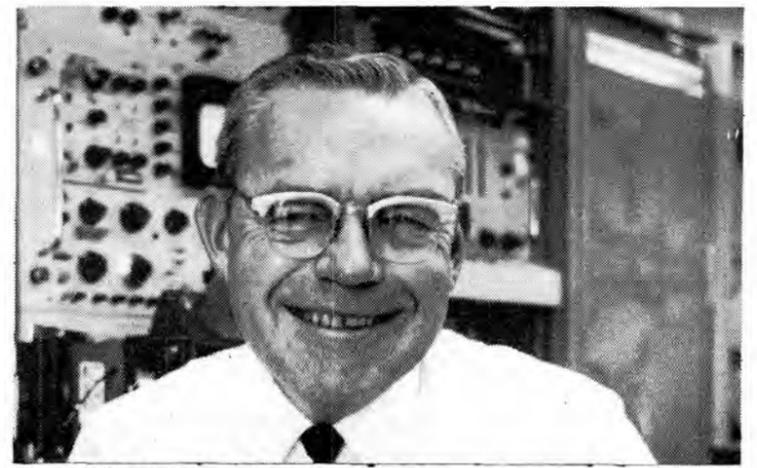
Polly Horne - 4154 15



Arsenio Montoya - 2516 25



William Patterson - 5716 15



Donald S. Dreesen - 9342 30

Department 4230

to have some means to communicate, to share their problems, to voice their complaints, to seek corrective action, and, for that matter, to express their opinions."

One of these programs is FEEDBACK, conducted by George Thorne in Albuquerque and Walt Dzugan in Livermore. FEEDBACK is a means of communication to flow up as well as down the hierarchy. Through FEEDBACK, an employee can ask a question or make a comment and, if desired, remain anonymous. It's a means for supervision to know what nonsupervisors think, and vice versa.

"We're getting some good, well thought out, provocative questions from all levels of employees, including supervision," says George. "And I'm happy to report that the answers we've received from the Directors have been candid and forthright. If these early trends continue, we'll have a first-class communication program. We simply coordinate the program; we deliberately avoid identifying with either management or the employee. The success of the program depends on our establishing and maintaining complete credibility."

Another program, Contact, offers the opportunity for person-to-person communication. Whether by phone or face-to-face, it involves a willing-to-listen — and help — person from 4230 and a fellow employee who has a problem that needs attention and wishes to discuss it, confidentially if need be. In 4230, the problem gets attention; usually it can be solved, sometimes no solution is possible. But even in that case, the person with a problem can feel that there's someone who cares, who really listens, and who is willing to investigate and seek a solution. That someone may be Mollie Miller, coordinator of the women's program; or Joe Danclovic, trained in guidance; or Bob Garcia himself.

Or Bernie Kayate. He's on loan from 9532 and is the first in what the department plans to be a series of representatives from line organizations who are able and willing to share their understanding and insight into the problems of all of our many kinds of employees — technical and administrative, staff and management, minority and majority, male and female. One of Bernie's first assignments is to reflect the views of his fellow Indian employees at the Labs. But he's good at working with people whatever the nature of their problem.

As Bob puts it, "We're there when the need arises. We care, we listen, we're willing to help any employee with an on-the-job problem. We think it's important that there's a group like us at the Labs."

Affirmative Action, FEEDBACK, Contact — Employee Relations has a large, and extremely important, role in making Sandia a meaningful, challenging, personally satisfying place to work. That says it has to be a people-oriented place. It is. •bh

Sympathy

To Abedon Ortiz (7515) on the death of his brother in Denver, Oct. 18.

To Archie Sorley (9533) on the death of his father in Clifton, Texas, Oct. 17.

To George (4152) and Florenio Baldonado (7554) on the death of their brother in Albuquerque, Oct. 10.

To Gene Church (1613) on the death of his mother in Silver City, Oct. 29.



"We feel that an individual's death need not be a complete loss to society."

—Gene Copeland,
President,
Memorial
Society of Central
New Mexico

Our Town

'A Realistic Look at Death'

Annual meeting of the Memorial Society of Central New Mexico will be held Thursday, Nov. 8, at 7:30 p.m. Gene Copeland, supervisor of Devices Testing Division 9343, is president of the Society.

Gene is not a morbid man — he's active in professional, church and social organizations — but the business of the Memorial Society concerns both life and death, mostly preparing for death.

"The Society was formed in 1964," Gene says, "shortly after the publication of Ruth Harmer's book, 'The High Cost of Dying.' The organization was patterned after 130 similar groups in the US and Canada."

Its purpose is three-fold:

—To help members accept death as part of the life process

—To assist members with funeral arrangements ahead of need with a funeral director of their choice, and

—To encourage simple, dignified funerals or memorial services at reasonable cost.

"In addition," Gene says, "the Society maintains an information file and forms for most of the organ donor programs. We feel that an individual's death need not be a complete loss to society. And this is not a cold outlook. We also maintain information about how to set up memorial scholarships, memorial gifts and the like."

The Society currently has a membership of 200 families. There is a one-time fee per family of 10 dollars.

"Like any nonprofit organization," Gene

says, "we could use some help. Volunteers. People who could help us in research aimed toward legislation. We could use some bilingual office help with our brochures, plus standard office help — filing, typing, things like that. We could use an articulate retired person to establish a speaker's bureau and to achieve liaison with retiree organizations. We could use a lot of help. If you're interested write to P.O. Box 11143 or call 296-3090."

Eddy Jacobs (2411) is treasurer of the Society. Past presidents include Nick DeLollis (5513) and Bob Reineke (4752).

"The public is cordially invited to our annual meeting," Gene says. "Speaker will be Dr. David Burke, visiting professor of psychiatry at UNM Medical School, on leave from the University of Western Toronto where he is associate professor of philosophy. At the meeting, he will discuss 'The Relevance of Death Education for the Living; An Existentialist Looks at Death'."

The talk will be given at 7:30 p.m., Nov. 8, in the hospitality room of the Albuquerque Federal Savings and Loan, 4901 Central NE.

Variable Annuity Unit Value

November	1.749
October	1.681
Average 1972	1.737

Speakers

G. Hughes (9474), "Earth Satellites," Duke City Exchange Club, Sept. 13.

H.C. Monteith (9344), "ESP Research in Russia, England and America," Sandia Civitan Club, Sept. 14, and Science Club, Del Norte High School, Sept. 24.

D.M. Fenstermacher (2441), "Telescope Making," Science Class, Eldorado High School, Sept. 19.

R.J. Baughman (5154), "Crystal Growing," Science Class, Eldorado High School, Sept. 19.

C.S. Johnson (9421), "Deceptive Use of 'Genuine Imitation' Truth in Arguments," Zonta International, Sept. 27.

P.B. Tollefsrud (5221), D.A. McArthur and G.H. Miller (both 5226), "Nuclear Pumped Laser Research Experimental Facility," Uranium Plasma Research Conference, Sept. 18-19, Washington, D.C.

J.G. Marsh (3154), "The AEC Classification and Declassification Program," Southern Calif. Chapter National Classification Management Society, Sept. 27, Santa Monica.

J.E. Schirber (5150), "Superconductivity and Ion Implantation," International Conference on Applications of Ion Beams to Metals, Oct. 2-4, SLA.

R.S. Berg and D.M. Mattox (both 5526), "Deposition of Metal Films by Laser-Controlled CVD"; M.L. Lieberman and G.T. Noles (both 5313), "Gas Analysis During the Chemical Vapor Deposition of Carbon," Electrochemical Society, Oct. 7-12, Boston.

P.J. Chen (1540), "Waves in Laminated Composites - Theory and Experiments"; R.M. Bowen and Chen, "Shock Wave Propagation in a Mixture of Diffusing Gases," Second National Congress of Theoretical and Applied Mechanics of Bulgaria, Oct. 8-14, Varna, Bulgaria.

C.S. Johnson (9421), "A PCM Data Sequence Controller," International Telemetry Conference, Oct. 9-11, Washington, D.C.

R.S. Reynolds (1251), "RCC Telemetry Standards - A Panel Discussion Introduction"; D.E. Barnes (9421), "Shock Hardened PCM System With Data Storage Capability," International Telemetry Conference, Oct. 11, Washington, D.C.

R.P. Clark (2523), "Thermoanalytical Investigations of Thermal Battery Materials," Analytical Chemistry Department Seminar, UNM, Oct. 12.



A NEW THREE-YEAR AGREEMENT was recently signed between the Labs and the Guards Union. Verne Moore (9550), union business agent, and Ernie Peterson, manager of Labor Relations Department 4220, watch union president Bob Byrd sign on the dotted line.

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.
 A maximum of 125 ads will be accepted for each issue.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must 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.

TRANSPORTATION

- '67 CHEVROLET Caprice, 4-dr. HT, low mileage, AT, PS, PB. Yoshimura, 296-8593.
- '66 IH Travelall, 4-spd., V-304, PT, PS, PB, \$900. Whalen, 298-1330.
- '69 VW, new tune-tires-seat covers, AT, AC, 25 mpg, \$1000. Finley, 299-0739.
- AIRCRAFT: 1/5 interest Mooney MK 20A XPNDR, 3-lite, 2-nav/com, ELT, EGT new annual, \$2000. Trudo, 299-6449.
- '60 CORVETTE, many extras; '55 Cameo; '70 Husky, 250 cross, many extras. Sena, 294-1680.
- '63 CORVETTE, 327, 4-spd., removable HT, new radials, needs painting. Roth, 877-4997.
- '64 SAAB 96 sedan, new tires, \$300; '51 Jeep pickup, 4-wd, best offer. Workhoven, 281-3246.
- '72 VW type 3 Fastback, AT, AC, warranty, 20,000 miles, \$250 below Book. Norris, 299-4717.
- '50 DODGE coupe, one owner, low mileage, accept best offer. Campbell, 256-1015.
- SUZUKI 150 twin. Carlson, 299-6610.
- '70 PONTIAC Grand Prix, PS, PB,

- AT, AC, gold w/beige vinyl top, under 30,000 miles, \$2300. Pastorius, 299-1683.
- 1/3 INTEREST in S-model Bonanza, full IFR panel, low time engine, \$8000. Reed, 299-7425.
- '63 PONTIAC str. wgn., consider best offer. Owens, 255-9257.
- '72 GMC Jimmy, 26,000 miles, 4-wd, PS, PB, air, auto., pos. rear; '67 Honda CL77, 305cc. Errickson, 296-4662.
- BICYCLE, boy's 20" Wildcat, banana seat, high-rise handlebars, \$20; elec. ride-on car, through age 7, w/recharger. McIntire, 299-5791.
- '70 HODAKA 100cc motorcycle, \$150, or make offer. Barton, 265-8607.

MISCELLANEOUS

- MINIATURE Schnauzers, AKC show quality. Sanchez, day 298-7573, evenings, 294-7226.
- TWO 700x14 8-ply tires w/rims, 5-hole, almost new, \$18 ea. Sanchez, 242-3625.
- BIKE CARRIER, roof top or trunk type, holds 2 bikes, \$20; miniature dachshund 6-month puppy, black & tan, excellent family lines. Hudson, 296-3484.
- BABY BED, \$25; high chair, \$15; chest of drawers, \$15; layette, \$5; car seat, \$12. Lewis, 296-7896.
- DRAPES, avocado green, fully lined, 6 pr. 24x84, 1 pr. 48x84, just cleaned. Barron, 256-7574.
- WEATHERED BARN BOARDS (60 yrs. old), random width & length, 15 cents/BF, 15% discount on whole lot. Jefferson, 299-1125.

- HORSE, 12-yr-old mare, white, 4-H trained, includes saddle & tack, stabled at Four Hills, \$300. Miller, 268-5992.
- FORD TOT-GUARD, \$15. Walsh, 268-1654.
- 2 G78-14 GLASS belted, studded snow tires, 5000 miles, Wards best, \$15 ea. Leisher, 281-5258.
- SMALL HAMMOND CHORD ORGAN, \$400 or best offer. Vance, 255-8032.
- PORT. RECORD PLAYER, Sonora solid state stereophonic, 2 speakers, plays 16, 33, 45 & 78 records, \$35. Shipley, 298-2433.
- '72 18' TRAILER, deluxe tandem, sleeps 6, self-contained, \$2800 or best offer. Hymer, 298-2232.
- SKI PANTS, brand new Head's, over the boot size 36R, priced at \$70, sell for \$29. Carli, 298-9271.
- WOMAN'S used bicycle, 26", balloon tires, \$8. Guilford, 255-6294.
- SLIDING GLASS DOOR, 8' wide, \$30; parts from '67 VW: fenders, hood, bumpers, wheels w/tires. Wilkinson, 299-8327.
- EXTRA WIDE 5-hole rims w/nearly new 8:25x14 snow treads for Plymouth, \$35; under-counter Tappan dishwasher, \$35. Copeland, 344-1133.
- BABY CRIB w/mattress, \$25; folding high chair, \$10; reel push mower, \$8; Lionel O-gauge trains, make offer. Pope, 299-2276.
- DINETTE w/4 chairs, charcoal, \$30. Milligan, 298-2851.
- RECORD CHANGER, Garrard RC88 w/base, \$20; large trunk, \$15; 2 single bed rattan headboards, \$12 ea. Gubbels,

- 299-8089.
- AMMO: .38 spec, 148 gr. W.C. match, \$4/bx; 158 gr. RN std., \$3.50/bx; 8 boxes 148 gr. W.C. reloads, \$1.75 box; match brass: .308, 2 cents ea. Ristine, 298-8383.
- WALKIE-TALKIE, \$5; breadboard W/T of same type w/good switches, good cabinet, needs work, \$5. Van Deusen, 299-4328.
- '71 SCOTTIE travel trailer, has all the extras, 15', \$1350. Gallo, 296-0112.
- ADIRONDACK TOBOGGAN w/pad, \$15; miniature Hoover dryer, \$40; antique iron bed, twin size, \$10. Hadley, 294-7634.
- BEAR PRACTICE BOW, model Bearcat, 60" recurve, 25-lb. pull, accessories, \$20; Norelco port. radio, LW/AM/FM/SW, \$25. Womelsduff, 299-6269.
- CHAIRS for small children, free for taking, 25 total. Coalson, 298-0061.
- FIVE 14" Dodge truck rims, without tires, \$25, with tires, \$22.50. Gerstle, 298-7854.
- IBM Selectric typewriter, 12" w/7 extra type balls, \$325 firm. Gallegos, 299-5213 after 5.
- AMPEX 601 full track tape recorder with or without low impedance microphone & input transformer. Harrison, 299-2154.

WANTED

- MG-TD for parts. Sander, 299-5761.
- MAINTENANCE manual for 1963 Lincoln Continental. Strascina, 299-2285.
- USED BANDSAW. Frasier, 299-6933.
- RIDE or join car pool to Bldg. 836,

- vicinity Rio Grande & Candelaria NW. Knoff, 344-6623.
- SHOP MANUALS for 1965 Mustang, 1967 Ford Custom, 1968 Chev. pickup; old Fender, Martin or Gibson guitars; workbench. Floyd, 299-2419.
- INEXPENSIVE adult-size bicycle, 1-spd. o.k. Aronson, 268-7109.
- RON & JENISON ALLRED are sponsoring teenage study tour to Europe this summer, emphasis-Spain, for info. Allred, 294-1393.
- TAILGATE for 1960 Ford pickup; also chrome reversed wheels w/tires. Duran, 867-5251.
- HAVE good home for medium-large size, outdoor, male dog. Arnold, 877-0692.
- 25-GAL. butane tanks. Laursen, 266-3190.
- SHARE RIDE or full time passenger from vicinity Montgomery & Wyoming. Devor, 293-6710.

LOST AND FOUND

- LOST — Silver ballpoint pen w/Thunderbird emblem, pearl & jade ring in gold mounting, 6"x8" notebook containing Spanish & English songs, metal frame sunglasses in blue case, Rx glasses in brown leather case, man's turquoise & silver ring w/initials JM-Zuni on inside, silver & turquoise bolo tie. LOST AND FOUND, Bldg. 832, tel. 264-3441.
- FOUND — Rx glasses w/gold rims. LOST AND FOUND, Bldg. 832, tel. 264-3441.

November Big Month At Club

TONIGHT Happy Hour features a German food buffet, Sol Chavez on the bandstand and Denny Gallegos entertaining onstage in the dining area from 9:30 to 12:30. Next Friday, Nov. 9, Italian food is on the buffet, a group called Shiloh on the bandstand, and Barbara Clark with a sing-along in the lounge. On Friday, Nov. 16, Frank Chewiwie makes the happy music, Denny returns and Mexican food is the buffet feature.

* * * * *

TOMORROW NIGHT is Family Vaudeville night at the Club with a movie and a stage show. "The Couple" is a program of folksongs. The movie is "Dog of Flanders." Kids dig this kind of stuff. Super sandwiches will be available with a Happy Hour bar. Admission is free to members, fun starts about 6 p.m.

* * * * *

SOUL SESSION this month comes on Saturday, Nov. 10, from 8:30 to 12:30 with Ernie Fierro on the bandstand playing the big modern rock sounds that makes Soul Sessions so cathartic. Admission is free to members, guests pay \$1 and Happy Hour bar prices are in effect all evening.

* * * * *

FOOTBALL BUS will leave the Club at 12:45 for the Lobo-U. of Wyoming game on Nov. 10; will return after. Members ride free, guests pay \$1.

* * * * *



DEADLINE for picking up tickets for the Club's forthcoming Sea Captain's Galley event is Saturday, Nov. 10. Kathy Pogna (AEC) think it's a great idea while Mike Heiser (2414) can't wait. He claims fishing is more fun than girls. So it'll be a great party on Nov. 17 with fantastic dining and dancing. Mark your calendar now.

CINEMA CLASSICS on Wednesday, Nov. 14, feature a couple of goodies — an adventure film called "The Young Eagles" and a Laurel and Hardy romp called "The Live Ghost." All this and a Betty Boop cartoon! The fun starts at 7:30 p.m. Admission is free to members.

* * * * *

TRAVEL NEWS — Last chance to sign up for the Caribbean sea/air cruise is today. See the club office for details on a truly great vacation buy. The Hong Kong package is still

open. Trip is set April 7-17 with luxurious accommodations all the way. Pirce is \$671 (double occupancy) and deadline for signing is Jan. 3.

* * * * *

"FASHION FANDANGO" will be presented at a Sanado Club luncheon Tuesday, Nov. 13 at 1:30 p.m. at the Coronado Club. Models will be a group of Sanado women. Barbara Hollowwa is coordinating the fashions from Marcy's.



HOLIDAY FASHIONS and wardrobes for women in business will be presented by Redmond's at a noon-hour fashion show at the Club on Tuesday, Nov. 6. Gwen Milenor is one of the Flair people who will model. Rosario Ayres will moderate.

Letter to the Editor

Apparently there's an unwritten but long-established condition of employment at Sandia. The prospective new-hire must respond positively to three questions: 1) Can you operate a stapler? 2) Do you really enjoy stapling? and 3) If the Labs furnishes you with a shiny new stapler and an unlimited supply of staples, will you promise to join in holy stapled bliss any two papers that would otherwise just lie there alone?

This insight hit me when our microfilming section was assigned the task of microfilming a very large file. The filming itself went smoothly — we've got the equipment and the people for a highly efficient operation. But the prefilming step was something else: each page was stapled at least once to its neighbors, and each one had to be removed, slowly and tediously. You see, staple input is much faster than staple outtake — we're getting further

behind on that file every minute. But that file isn't the only one. Every 2.37 seconds a Labs employee puts a staple through a sheaf of papers somewhere. (What we've got to do is to find that employee and stop him!)

At this point it appears that eventually all the paper at Sandia will be stapled together with one giant staple. You may think we're worried about that. But we can hardly wait. Just think — pull that one staple (probably with a ten-ton overhead crane) and everything's ready for microfilming!

My request to my fellow employees: next time you've got the urge to take out your frustrations by banging half a dozen staples into an innocent sheaf of papers (especially papers that may someday be microfilmed), stop and ask yourself "Is this staple really necessary?"

s/ Ed Hirt (7632)