



Bernie Kayate

LAB NEWS

VOL. 24, NO. 23

NOVEMBER 10, 1972

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

Fellowship Awarded Labs Employee

Bernie Kayate, a staff assistant technical in Electrical Standards Division 7452, has won a \$2000 fellowship at the University of New Mexico. The Sequoyah Fellowship for 1972-73 was awarded to Bernie by the Association on American Indian Affairs in New York City.

Bernie received an associate of science degree from New Mexico Highlands University in 1964 and his BS in mathematics from University of Albuquerque in 1970. He is currently working for a master of business administration degree at UNM.

Active in Indian civil affairs, Bernie is a member of the New Mexico Council of American Indians and a member and past chairman of the Laguna Pueblo Colony of Albuquerque. He was also a member of the Laguna Police Commission. In 1971, Bernie was appointed chairman of the education committee of the All Indian Pueblo Council, which represents the 19 pueblos of New Mexico.

Employees Pledge \$377,548 to ECP

The current ECP campaign was virtually complete this week with a whopping \$377,548 pledged by Sandia employees. The total represents an increase of some \$23,000 over last year's effort.

Eighty-five percent of Sandia employees contributed to the drive, 52 percent at the fair share level. Average gift of those who contributed is \$73.

The increase is the result of 844 employees who upped their contributions, including 230 new fair share contributors.

Ken Sutton (3250), chairman of the ECP committee, expressed his thanks to all who worked on the drive, particularly ECP committee members, directorate coordinators and solicitors.

"It was my pleasure to report our results to the downtown United Community Fund people," Ken says, "and I want to pass along the gratitude expressed. Albuquerque is grateful to Sandia employees for their outstanding generosity. Year in and year out, we deliver a significant portion of the downtown UCF goal. The Sandia concern for community needs is reflected by our increasing contributions. There is great satisfaction for all of us in that fact."



THE LAST HURRAH? LAB NEWS photographer Bill Laskar caught this view of the political campaign in its final moments. The speech has been given, the candidate has taken off, and the brave banners lie underfoot. Oh well, it's only once every four years . . .

New Health Plans Offered

On Oct. 30 the Labs announced a new approach to health care services for Sandia employees in Albuquerque. Employees may now choose between two newly-announced prepaid health service plans or retain their present Equitable Health Care Plan.

The two new options are (1) the Lovelace-Bataan Health Program, a joint effort of the Lovelace Clinic physicians and Bataan Hospital, and (2) MASTERCARE — a cooperative effort by Presbyterian and St. Joseph and participating private physicians on their staffs. Both plans are designed to provide comprehensive health services to employees and families, and with few exceptions, coverage is unlimited.

Both new plans generally provide all necessary health care services for participants.

Most hospital surgical, ambulance, nursing and extended care services will be provided at no extra cost. However, visits to a doctor's office will cost \$1.50.

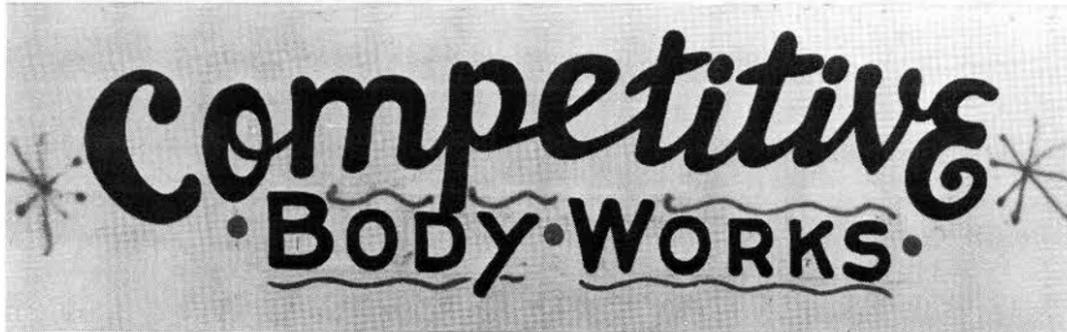
Details of both new plans, plus a review of the existing Equitable Health Care Plan, were included in a package mailed to all Albuquerque employees last week. A series of meetings has started which will continue throughout the month until all employees have had the opportunity to attend. The meetings are conducted by Employee Benefits and Services Department 3240.

In addition, three similar meetings are scheduled for employee dependents. Spouses may attend one of the following meetings scheduled in the Coronado Club ballroom:

(Continued on Page Seven)

Afterthoughts

Great Signs of Western Civilization--Signs are intriguing. "Desert Ahead," "Falling Rock," "Unauthorized Cars Hauled Away At Owner's Expense." The constraint of limited area imposes a stringent economy upon the sign maker, so that in terms of communication the sign reader gets only the quintessential core-- "STOP"--what other words could convey the message so simply and directly? Some signs are more intriguing than others, and from time to time we'd like to show you signs that are prize winners. Today's entry, category Inspired Double Entendre:



A Little Quiz--Identify the agents which, according to the Resource Book for Drug Abuse Education (HEW), produce the following symptoms in your fragile body:

Drug A: addiction, constipation, loss of appetite, physical and mental dependence potential but no organic damage potential.

Drug B: emphysema, lung cancer, mouth and throat cancer, cardiovascular damage and loss of appetite.

Drug A is heroin, drug B nicotinia tabacum. Curious, yes?

* * *

He's Probably Right Too--"If once a man indulges himself in murder, very soon he comes to think little of robbing; and from robbing-he next comes to drinking and Sabbath-breaking, and from that to incivility and procrastination."
Thomas de Quincy (1785-1859)

* * *

It's Enough To Make A Fella Turn In His Sheet--The Imperial Wizard of the Ku Klux Klan has decreed that all members will be required to take lie-detector tests. Seems the Klan feels it's been infiltrated. The Wizard probably began to get suspicious when members passed up his meetings to stay home and watch Sanford & Son.

* * *

Weird, Really Weird--(The first time I heard this I discounted it, but I've heard the same from another source and begin to attach credence to it.) You live and work in a big eastern city and must, on occasion, pass through areas where you run some risk of robbery. So, being provident, you carry only a few bucks, right? Well, no. You see, this guy holds you up, becomes enraged when he learns how little return he's getting for his trouble, and proceeds to bash you about, no doubt in a mood of righteous indignation. So the word is: carry a twenty for just such occasions. You can call it mad money-- only it's the other guy you don't want to get mad. *js

Jack Sivinski Appointed To Planetary Quarantine Panel

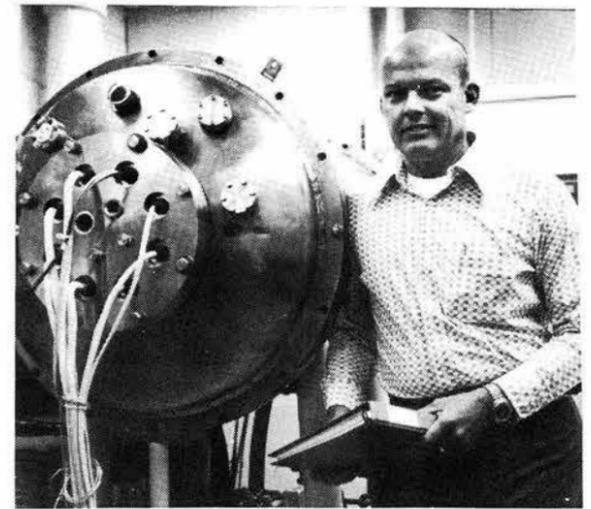
Jack Sivinski, manager of Biosystems Research Department 1740, has been appointed to the Planetary Quarantine Advisory Panel (PQAP) to NASA's Office of Space Science and Applications. The appointment was made by the American Institute of Biological Sciences.

The panel reviews broad aspects of the Planetary Quarantine Program, reviews research data upon which NASA policy

decisions are based, prepares recommendations for technical changes in planetary quarantine policy and evaluates proposals.

Jack headed Sandia's work in the Planetary Quarantine Program. He directed activities which led to the development of thermoradiation — simultaneous use of both heat and radiation — which has proved very effective in inactivation of bacterial spores found on spacecraft.

Supervisory Appointment



DICK ENO to supervisor of Range Operations Division 9473 at TTR, effective Nov. 1.

Dick first joined the Labs in 1956 and worked for three years in the weapon systems engineering group. From 1959-68 he worked in space projects and full-scale testing as a staff member, section supervisor and in 1964 was promoted to division supervisor. Dick left the Labs for a year, joining a small manufacturing company in Florida. Since returning in March 1969, he has been assigned to preliminary systems design, space projects, and information systems.

He served in the Air Force from 1951-53, and graduated from the University of Nebraska with a BS in mechanical engineering.

Dick and his wife Betty have two children. They plan to live in Las Vegas — "when we have time to do some house hunting," Dick says.

Credit Union Statements

As part of its normal audit procedure, the Supervisory Committee of the Sandia Laboratory Credit Union recently mailed statements to members with account numbers from 12,001 to 12,999 and from 15,001 to 15,999. If your account number is in either of these series and you have not received your statement, please notify Karl Waibel (4117), Committee Chairman.

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&

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bruce hawkinson writes

as does norma taylor while

bill lasker takes/makes pictures

&

in livermore lorena schneider does all

SLL Employee Contributions Exceed \$37,700

Sandians responded to the 1972 Livermore Employees' Assistance Plan (LEAP) fund raising drive by contributing a total of \$37,704. The figure represents an increase of \$2475, or some seven percent, over last year's contributions of \$35,229.

The average gift per contributor is \$47.19, also a seven percent increase over the 1971 contributions of \$44.15. Of the 81 percent of Livermore employees who participated, 22 gave one percent of their annual salary, while 109 contribute a LEAP share (one hour's pay per month).

Bill McGuire (8431), chairman of this year's LEAP committee, feels that we can all be proud of our response to the 1972 campaign, as well as our LEAP program generally. "By increasing contributions year after year, employees have shown they approve of the program as a means of contributing to local and national health and service organizations.

"I extend my sincere thanks to each of you who contributed during the fund drive and to those employees who worked on the campaign," he continued. "I'm sure my appreciation is exceeded by that of the five local agencies, CHAD's 12 members and the over 200 UBAC-funded agencies who receive our support through LEAP."

Sympathy

To Bob St. Hilaire (8157) for the death of his father-in-law in Lowell, Mass., Oct. 25.

Congratulations

Mr. and Mrs. Terry Bersie (8431), a daughter, Janel Louise, Sept. 26.

Mr. and Mrs. Charles Hartwig (8342), a daughter, Johanna Kathleen, Oct. 13.

Mr. and Mrs. Steve Schwegel (8431), a daughter, Julie Marie, Oct. 13.



NEW SANDIA PRESIDENT VISITS LIVERMORE — Morgan Sparks, center, visited Sandia/Livermore for the first time since becoming Labs president on Oct. 1. Following briefings on operations and technical programs, he toured some of the facilities with Byron Murphey (8300), left, and Vice President Tom Cook (8000).

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RECOVERED PROJECTILE from previous gas gun experiment is examined by (from left) Wil Vandermolen, Dick Jacobson and Ralph Thompson (all 8414). Data acquisition system is at far right.

At 3300 FPS

The Fastest Gun At The Labs

The design of Sandia/Livermore's four-inch gas gun was the topic at a recent meeting of the Northern California Section of the Society for Experimental Stress Analysis (SESA). Following the dinner meeting, the group witnessed a demonstration of the gas gun at the Laboratories.

The gun, designed by Ralph Thompson of Experimental Mechanics Division 8414, was built by Clark and Wheeler, Inc., of Los Angeles. Within its 24-foot-long barrel, impact velocities up to 3300 feet per second

(three times the speed of sound) are produced. Purpose is to test materials under conditions of high stress.

Using a compressed gas — helium — a projectile is accelerated down the gun barrel into an evacuated chamber where impact occurs. A disk of the material being tested is positioned in this chamber so that the projectile impacts upon it. Because the system is fully contained, no gas escapes and the gun can be used to test toxic materials.

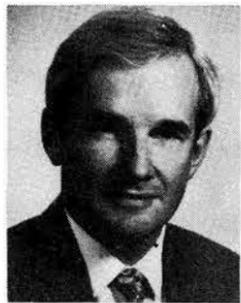
Impact causes stress up to one million pounds per square inch. The stress waves travel through the material and are measured at the back surface of the disk. Instrumentation determines projectile velocity and planarity (flatness of projectile surface). Other instruments measure backsurface pressure and displacement of the material under test.

Ralph notes this gas gun is distinctive in several respects. "First," he says, "the delayed-recoil design means that you get your data about the target assembly during impact but before it can be affected by the recoil reaction. Secondly, the operator as well as all instrumentation remain in the room during firing. This permits use of shorter cables, and the operator can make a last-minute visual check before firing."

Safety interlocks insure that all mechanical components are properly positioned before firing. A sequential firing device actuates gas valves and triggers electronic circuits used for data acquisition. These features were designed by Wil Vandermolen (8414).

Instrumentation and operation of the gun are the responsibility of Wil and Dick Jacobson (also 8414). In present experiments, stress data measured at the back surface of a steel specimen is being compared with that derived analytically through use of a computer code. • Is

Director to Chair National Committee



Dick Claassen, Director of Electronic Component Development 1400, has been elected Chairman of the Solid State Sciences Committee of the National Research Council. Dick is Chairman Elect for 1973 and Chairman for 1974.

The Committee serves as an advisory group to the government in the field of materials research. Associated with the Committee is the Solid State Advisory Panel numbering about 60, composed of physicists, chemists, ceramists, and metallurgists drawn from universities, industry and government. The Panel visited Sandia Laboratories in 1962 to review research programs.

After gaining his doctorate from the University of Minnesota in the early fifties, Dick came to Sandia and has since been active in or close to physical research. He was named director of Physical Research in 1960 and in 1968 took his present post. He has been associated with the Solid State Sciences Committee since 1965.

The System — For or Against?

The System refers to Le Systeme Internationale d'Unites, or the new Metric System, or, simply, SI. A status report of where we stand metrically as a laboratory, a nation, and a world will be given in the Bldg. 815 auditorium at 10 a.m. on two successive Mondays, Nov. 20 and 27. Corry McDonald (7623) will bring a three-meter pole to touch upon SI issues. Mark your non-metric calendar now and plan to attend.

Congratulations

Mr. and Mrs. David Caskey (5424), a daughter, Susan Michelle, Oct. 24.

Mr. and Mrs. Mike Edenburn (1222), a daughter, Jennifer Elyse, Oct. 18.

Mr. and Mrs. Ken Eckelmeyer (5533), a daughter, Karin Lynn, Nov. 2.

Take Note

Alfred Watts (9226) recently returned to the Laboratories after receiving a PhD degree in electrical engineering from Mississippi State University. His doctoral dissertation was entitled, "Optimal Feedback Control of Reconstructible Linear Systems with Inaccessible State Variables." Alfred's last year of study was under Sandia's Doctoral Study Program.

* * * *

Katheryn Lawson of Materials Analysis Division 5522 was a visiting professor in the National Urban League's Black Executive Exchange Program (BEEP) Chemistry course at Southern University, Baton Rouge, La., on Oct. 26-27.

BEEP augments the curriculum at black colleges and universities by borrowing executives from business and industry to offer students examples of their own experiences. Katheryn presented two papers: "X-Ray Fluorescence Spectroscopy as an Analytical Chemistry Tool," and "Electronic Absorption Spectroscopy of Transition Metal Ions."

She is the author of numerous books, articles and papers. She earned a BA degree in natural sciences from Dillard University, an MS in organic chemistry from Tuskegee Institute, and PhD in physical chemistry from UNM. Katheryn has been at the Labs since October 1958.

* * * *

Three Sandians will have booths at the Second Annual Arts and Crafts Fair to be held in Albuquerque's new Convention Center, Nov. 17-19. Sponsored by the Rio Grande Arts & Crafts Assn., the show features 160 artists and craftsmen and their work.

Tillie Pierce (3155-3) will present large watercolors and miniature watercolors on wood; Janet Jenkins (3155-3) will show cast silver belt buckles; and Carlton Kentfield (7612) will exhibit jewelry — mostly silver and turquoise.

On Nov. 17 and 18 the Fair will be open



THE LABS blood donor program has been so successful (over 1500 new donors) that the Red Cross and Blood Services presented their Community Service Award to Vern Henning (right), who's been running the program at the Labs, and the Award of Appreciation to Sandia, accepted for the Labs by VP Dick Bice.

10 a.m. to 10 p.m., and on Nov. 19, 11 a.m. to 8 p.m. Admission is 50 cents for adults and children 12 and under will be admitted free. Proceeds go to the Cancer Society.

* * * *

WANTED: Accelerated life test data so that George Steck (1722) and Dick Prairie (1643) can study the general problem of such tests and check applicable models with real live data (which doesn't have to be from Sandia). If you have some, call Dick at ext. 5758.

Letter to the Editor

The Editor
Sandia Lab News

The recent review of Sandia's minority opportunity program was very informative and statistically satisfying, but I thought I'd comment on one aspect of the survey. That is, the nonminority designation as "non-minority." This is, in fact, made up of many minorities who in New Mexico are often lumped up in the term "Anglo." This oversimplification is encouraged by too many groups, including educators who should know better. An example of this was a TV presentation by an educator several months ago which referred to "the monolingual, monocultural Anglo." The fact of the matter is that the "Anglo" group is made up of many groups of widely varying origins, some of whom came to this country to face conditions far worse than the local minorities have had to experience.

The book "Casey" by Ramona Stewart describes some of the brutal conditions faced by the Irish when they migrated to the U.S. In New York these conditions caused the bread and draft riots in the 1860's. Places of employment had signs out front saying, "Irish need not apply," and the Irish were described as "niggers turned inside out." This is only one example of the privations faced by the "Anglo" minorities.

If the history of the "Anglo" minorities and how their problems were solved were better known in the Southwest, communication would undoubtedly improve and there would probably be a better mutual understanding of problems and solutions.

I think it is high time that the "Anglo" minorities received more discriminatory understanding.

Sincerely,
Nicholas J. DeLollis - 5332



FRANK LONG of Machine Shop Division 7144 explains the operation of a vertical mill to a group of young students. From Window Rock, Arizona, the students — mostly Indian — toured shops and other facilities within the Labs.

Theatre in Albuquerque

There's a lot of it — legitimate theatre — considering Albuquerque's size. At least 13 theatre groups, and it's not "seen one, seen 'em all" — they vary widely in the kinds of plays performed, in the professionalism (or lack of it) of actors and director, and in their capacity and ambience/aura/atmosphere.

The richness of its theatre is one of the qualities that make our town an exciting place to live.

* * *

Exciting when you're a drama buff — few weekends pass without wide choice. Take next weekend for example. *Macbeth* opens at the new University of Albuquerque theatre. Bruce Karcher has the lead and, while he and I don't always agree on role interpretations, he's a damned good actor. And Jim Morley is one of Albuquerque's finest directors.

From classic to ultra-contemporary — Music Theatre will do *Mario*, a "rock-roll funk theatre" musical that will shake loose the dust in the old Kimo. The Barn will have real live Hollywood types in *Wedding Night*. A comedy certainly. X-rated maybe.

That's the weekend of Nov. 17. You've missed *Enemy of the People* at Rodey, but while you're seeing *Mario* and/or *Macbeth*, Civic Light Opera will be rehearsing *Brigadoon*, and at Little Theatre they'll be shampooing the red carpet to welcome Joan Caulfield. She'll have the lead in the Broadway show *40 Carats* playing Dec. 1-14. And then there's the Mime Experiment — drama-sans-words — playing at different locations.

Don't overlook the small theatres. The audience at Old Town Studio gets intimately involved with the stage action — sometimes too intimately: I remember the night Phil Mead didn't duck a punch and the front row got spattered with very real blood. I worry a bit about OTS; since Crawford MacCallum stopped running it, it's been dark a lot. Adobe Theatre is housed in the ancient San Ysidro church in Corrales. They're summer only — the building has no water, much less heat. Good theatre too — *Slow Dance on the Killing Ground* was one of their best.

The Children's Theatre gives performances in many places — I last saw them at the Convention Center opening — but their usual home is Popejoy Hall. Director Bill Hayden isn't a child psychologist, but if understanding what turns kids on is the



qualification, he could be. Right now they're working on *House at Pooh Corner*. Kids make a tough audience — they react spontaneously, not when they sense they're supposed to.

The Classics Theatre Company does shows only twice a year, generally at Popejoy. Bringing this kind of culture to the great Southwest is not the easiest of tasks, but making, say, Shakespeare exciting to school kids — and their parents — makes it all worthwhile.

One more theatre group: Roadrunner Theatre is new and different. They put their shows — kids' plays, religious plays, etc. — literally on the road. After a few performances here in town, the show moves on to Santa Fe, Taos, Socorro, and Las Cruces. It revives a custom — medieval actors moved from town to town in much the same way. And, like those itinerants, Roadrunners often perform in churches or other buildings which aren't theatres.

* * *

How come so much dramatic activity? I admit to being a theatre freak — but I find the

- Nov. 11 — "As You Like It," Roadshow Company, 8:15 p.m., Popejoy Hall.
- Nov. 12 — Dog Show, Tingley Coliseum, 8 a.m.
- Nov. 12 — Harvest and Corn Dances, annual fiesta, Jemez Pueblo; Festival of San Diego, Tesuque.
- Nov. 14 — ASUNM Lecture Series, Stewart Brand, editor/publisher, *Whole Earth Catalog*, 8 p.m., Student Union Ballroom, UNM.
- Nov. 16-21 — University of Albuquerque, "Macbeth," 8 p.m., Box Office, 243-9461.
- Nov. 17-19 — Rio Grande Arts & Crafts Fair, New Convention Center.
- Nov. 19 — Bike tour to Rio Puerco on 66 frontage road. Meet at 9 a.m., Frontage Road, top of Nine-Mile Hill.
- Nov. 19 — Albuquerque Symphony Orchestra's Young People's Series, "European Travelogue," 3 p.m., Popejoy Hall.
- Nov. 20 — ASUNM Lecture Series, Joseph Sittler, author-theologian and ecologist, 8 p.m., Student Union Ballroom, UNM.
- Nov. 21 — Audubon Wildlife Film Series, "Bermuda — Land and Sea," 7:30 p.m., Popejoy Hall.
- Nov. 22 — The Royal Philharmonic Orchestra of London, Lawrence Foster conducting, 8:15 p.m., Popejoy Hall.

reality of live theatre tremendously exciting. Those are real people on the stage reacting to real people in the audience. And each performance is a new experience, for the actors as well as the audience. Videotape and film never vary — the performance is imprisoned thereon. But live theatre is just that — live, real, here, now.

And to work in the theatre is exciting. The many dramatic productions mean opportunity for amateurs to work as directors, actors, and backstage hands. Experience is a prerequisite for lead parts, but all of the theatres need supporting actors so that experience isn't hard to acquire. And being part of a show — making the script come alive — how does that song go? . . . "there's no business like show business."

Jim Morley, University of Albuquerque director, puts it well — "The hours are long, the work is dirty and hard, the pay is practically non-existent, but the satisfaction (corny as it may sound) of helping to keep alive the meaningfulness of the human animal makes it all worthwhile." Right on, Jim. •bh



An Albuquerque Theatre Guide

Name	Director or Manager	Phone	Location	Comments
Adobe Theatre	JoAnn Muchmore	898-3203	Corrales	Contemporary; charming place; summer only
Barn Dinner Theatre	Barth Benedict	281-3338	Cedar Crest	Professional Broadway comedies; buffet dinner too
Children's Theatre	Bill Hayden	268-6561	Popejoy at UNM	Kids' plays; some melodrama
Civic Light Opera	Robin Hubert	256-0836	Popejoy at UNM	Current or classic musical comedy
Classics Theatre Co.	Phil Mead		Popejoy at UNM	The classics — Shakespeare, Shaw, Moliere, etc.
Little Theatre	Bernie Thomas	242-4750	224 San Pasquale SW	Broadway comedy; mostly local talent.
Mime Experiment				Pantomime, classic and modern
Music Theatre	Karl Westerman	242-8749	Old Kimo Theatre downtown	Musicals, past and present
Old Town Studio	Ray Greenway	242-4602	6th and Frontage NW	All kinds, mostly contemporary; intimate
Roadrunner Theatre	Peter Buchan	255-0206	New Mexico	Religious, kids' plays, plays in Spanish; travel the state
Rodey Theatre	Robert Hartung	277-4402	UNM Fine Arts Ctr.	Broadway, experimental, classics
Univ of Albq Theatre	Jim Morley	243-9461	Univ of Albuquerque	Classic and contemporary premise plays



DESIGNED TO REMIND you that you're leaving a security area and should not discuss classified info, this new sign should catch your eye as you leave Tech Area gates. Right now, it's probably Nadine Ortiz (3523) who's catching it.

Boy Scout Effort

Phone Directories Will Be Recycled

In cooperation with an industrious and ecology-minded Boy Scout troop, Sandia Laboratories will participate in a sizeable paper recycling project. When the new city telephone directories are distributed next week, holders of the old ones will be invited to deliver their old directories to collection boxes in buildings throughout the Tech Areas, for later delivery to the Scouts.

Joe Hegge (7651), whose Scout troop is organizing the directory salvage program, says they have a commitment from a local wallboard manufacturing company to purchase the directories, and this will provide needed funds for the Scouts as well as contributing directly to an important recycling effort.

Secretaries in each organization will be asked to help round up the old directories and get them to the collection points. Boxes will be supplied as needed, but everyone is asked to keep loose directories stacked neatly to avoid creating tripping hazards.

Space Movie Set

A 38-minute documentary film chronicling the U.S. space exploration program will be shown in the auditorium, Bldg. 815, at 12:10 p.m. Wednesday, Nov. 22. The film, "We Came In Peace," reviews space activities from the time of Dr. Goddard's early rocket experiments to the present and includes some of the most dramatic NASA footage from recent moon landings.

The auditorium will be inside the tech area and escort arrangements will have to be made for any visitors. Seating will be on a first-come basis. Because of other commitments the film cannot be held over.

Our Man in Munich

The Olympics: A Matter of Perspective

Your average, red-blooded American probably concluded his marathon TV-watching of the Olympics with the feeling (politely expressed) "we've been had." Considering the boxing, the wrestling, the gymnastics, and the ultimate affront of the basketball game, well, the good guys came out bloodied and sullied. And the two black runners who chose to stand a bit nonchalantly during the playing of SSB didn't help matters much. I think it's a fair statement to say that most of us feel we should no longer participate in a contest so patently and egregiously rigged.

Fortunately, LAB NEWS anticipated a clouded and contentious Olympics, and we dispatched David Saylor (7124) to Munich to return with a clear-eyed account of what really happened. So what really happened, David?

"I've made reservations for the '76 Olympics at Montreal," states David calmly.

"Hey, how could you after what happened?"

"It's a matter of perspective. I think television and the press by their very nature focus on the aberrant developments. A consequence is that the person back in the states concludes that the whole show must be that way. When you're on the scene, though, you see or at least are aware that the whole show is not that way, indeed that most of it comes down to this — a well run contest between the best athletes in the world."

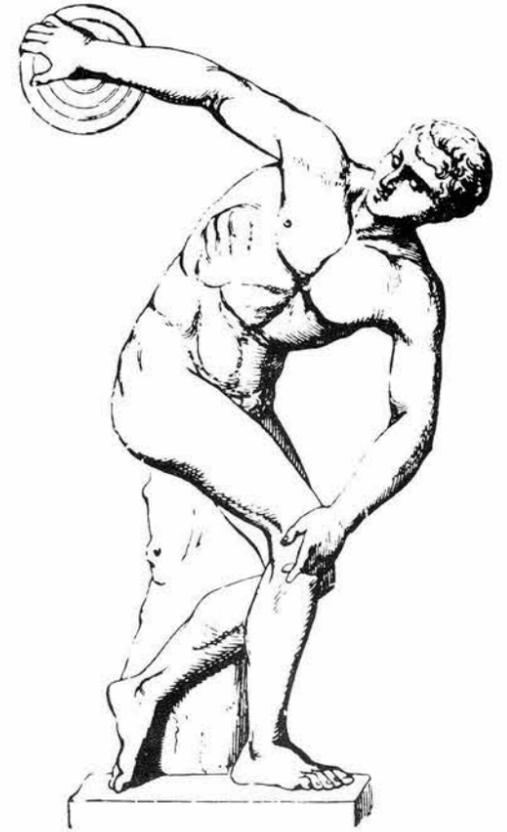
David doesn't, however, embrace the Olympic package in toto. He feels the highly-charged nationalistic fervor at the Games is deplorable and that it leads to some of the more flagrant conduct by judges and referees.

"In this part of Europe, especially," says Dave, "people are political — they view everything politically. The American sense of fair play is subordinated to more important (to them) political considerations."

One thoughtful scheme to defuse the political thing in the Olympics is endorsed by David. It consists of eliminating those events calling for teams, i.e., volleyball, basketball, water polo, and so on. Rationale: When Ivan the Russian runs against Joe the American, the two compete as individuals, and if Ivan wins most Americans would be willing to applaud his effort even though they had been pulling for Joe. But make it, say, a basketball game, and the contest becomes the Russian team against the American team. And the media don't help much by their unrelenting medal counts — how many we have vs. the number other countries have accumulated. The impression is created that the American Olympic squad is a team dispatched by the Department of State to do its best for Old Glory.

The playing of national anthems after medal presentations is felt to be another factor, and the custom — actually one of fairly recent origin — is considered by many to be difficult to reconcile to the Olympic Charter, which emphasizes that contests are between individuals, not nations.

Looming larger in David's view than all the contention is the spirit of fellowship that attends the Games, among athletes and non-athletes alike. David, who collects Olympics, noted this four years ago when the Games were held in Mexico City. The Saylor family (wife Gwyn and son Kevin) chatted readily and informally with visitors from all over the world. One Olympic custom that serves as an ice-breaker is the exchanging of Olympic pins



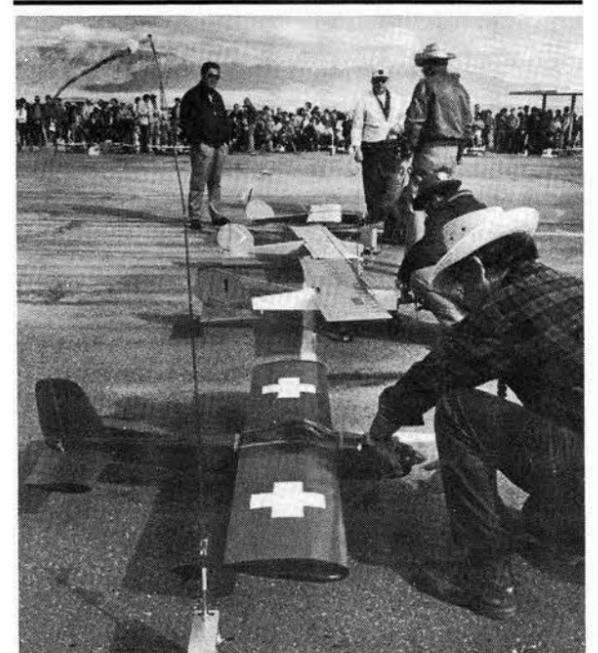
— colorful souvenir pins emblematic of a country's participation in the Games.

"You approach a person wearing a group of pins on his coat and see if he wants to do a little trading. Even if you don't speak the same language, you manage to communicate. It's fun and you sure meet some interesting people," says David. The Saylor collection, from Munich and Mexico City, now numbers almost two dozen pins.

What about Jim Ryun and his infamous sprawl?

"We were sitting close by. Ryun blew it. He hung back too long, tried to pass on the curve, got his feet tangled, fell and caused another runner to fall as well. As it happened, Ryun's parents were sitting next to us. We were a pretty sad group."

The literal highpoint of the Saylor's five-week trip was a successful climb of a Swiss mountain, Piz Palu, at 12,807 feet not exactly a tourist trek. But David's an old pro on mountains — he's climbed 41 of Colorado's 53 14'ers. • js



THE CHIEF DIFFERENCE between big boys and little boys is that big boys have much more expensive toys: motorcycles, campers, boats . . . and radio controlled model airplanes that start around three hundred. Anyhow, a group of Sandians which included Doc Savage, Carl Longfellow, Jess Wright, Irv Lenz and Jim Baremore did some high flying last weekend at the 14th Annual Radio Control Fly-In. Irv is in the foreground here readying the Red Baron special.

New Health Service Plans

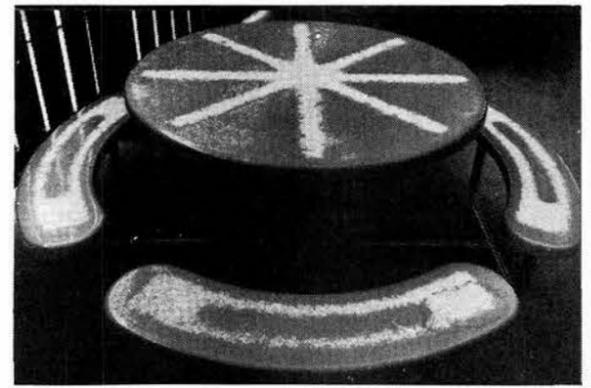
Thursday, Nov. 16, at 10 a.m.; Thursday, Nov. 16, at 2 p.m.; and Monday, Nov. 20, at 7:30 p.m. Ample time will be provided for questions and answers.

The Equitable Health Care Plan currently provided to Sandians is paid for by the Laboratories. The new options with their more comprehensive coverage will cost more, and employees who choose to enroll pay the additional premium cost through payroll deduction.

The monthly MASTERCARE deduction

for single employees will be \$3.90, and family coverage will cost \$12.92. The Lovelace-Bataan Plan will cost \$4.64 per month for a single employee, \$11.22 for family coverage.

Employees are asked to study the material in the information package, attend a meeting when notified, and determine their selection by Nov. 30. Coverage becomes effective Jan. 1, 1973. Each year in November, employees will have an opportunity to change their health care plan if they wish.



IT WAS Halloween and the Great Pumpkin and some other weirdos were abroad in the Tech Area during that storm and they deposited snow on this table outside the cafeteria in this playful pattern. (This is the way we found it, honest.)

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.

MISCELLANEOUS

1937 PHILCO table model radio, trade for old Indian items or old knives or daggers. Smitha, 266-9977.

3-PANEL SCREEN; aluminum cot; 50-gal. barrel; near antique cabinet base w/flour bin. Young, 265-7238.

HI FI SPEAKER SYSTEMS, KN-3000 electrostatic w/12" woofer, 50 lbs. in mahogany cabinet, \$105; Univ. bookshelf type w/8" woofer, 120-degree tweeter, 12 lbs. in cabinet, \$40. Church, 299-2175.

GERMAN short-hair pointer, 1 puppy left, female, AKC reg., \$35. Stevens, 298-8655.

TYPEWRITER, Royal port. w/carrying case, \$25; rabbits, 4 mos. old, \$1.50 ea. Bassett, 898-1840.

COMPUTER CONSULTANTS STOCK, \$2.50 share. Hiltunen, 6500 Cochiti Rd. SE, Sp. 56.

STERLING silverware, 23 pieces Eloquence (Lunt); 31 pieces Weatherby Lennox china; early American coffee table, end table, couch. Carlson, 299-7253.

FOUR antique clocks, \$85 to \$115. Flowers, 282-3458.

TIRE CHAINS, reinforced, will fit 7:35x14, 175-R14, C or D 78-14, etc., \$8. Leighton, 255-8302.

ROARING TWENTIES DRESS, authentic, black silk, embroidered, see-thru nude silk back, 14" fringing around bottom, size 12, prof. cleaned by Malone Studios, Hollywood, \$65. Devaney, 282-3961.

EARLY AMERICAN 4-poster maple bed w/mattress & box-spring, \$125; Fischer skis, Humanic boots, size 6½, Cub-co bindings, \$85; fur lined boots, size 6, \$5; med. Parka, \$8. Traver, 294-2138.

LARGE, sturdy rocking horse, 1 yr. old, new \$35, sell for \$22.50; baby bottle sterilizer, \$2. Liston, 282-3283.

SKIS, Dynamic VR17 207cm, new, \$150; Rosignol Allias Major 210cm, \$120; Nevada II toes & Grand Prix heel, both sets. Henry, 256-9567.

ELEC. FIREPLACE w/logs & screen, Sears contemporary

style, red-orange color. Parker, 299-1485 after 5.

MIDLAND C-B RADIO, 5 watt, 6 channels, model 13-855, complete w/mike, antenna. Eaves, 299-7728.

PADDED, duck covered cutting table, 4'x8', \$7; model train or race car platform, 4'x8', \$5. Dunn, 255-9213.

WESTERN FIELD model 740 (by Marlin) 30-30 lever action, \$55, w/case & shells. Gower, 296-4470.

TRUMPET, \$120; violin, \$80; cases included, prices are 1/3 off purchase 3-4 yrs. ago. Roose, 298-1971.

STEREO: Admiral AM-FM, FM stereo w/turtable, \$90 or offer. Bennett, 266-4665.

GARAGE SALE: port. TV, rug w/pad, Mexican chandelier, drapes, rods, aerial computer, bookcase. Lauger, 296-3197.

CRAFTSMAN 1/3-HP bench grinder w/stand, \$40; misc. Jeep parts. Westfahl, 298-5087.

HART SSL 205 Javelins, not offered at last ski swap, best reasonable offer. Westman, 255-6048.

METAL DETECTOR, Heathkit, 1 mo. old, new \$82 kit, sell for \$65. Williams, 842-6119 after 3.

SNOWMOBILE BOOTS, size 5, women's, new, \$10. Peralta, 266-4823.

TRUCK overload springs, Helwig, for leaf springs, \$40. Milner, 299-7155.

MODERN DBL. DRESSER, \$50; 4' round coffee table, \$20; modern couch; hanging lamp; exercise board; wagon top carrier. Frauenglass, 344-8344.

RECORD PLAYER, GE port. solid state stereo, 4-spd., \$35. Kohut, 298-0695.

HEAVY DUTY Campbell tire chains, used once, fits (J-K-L) 70-15 etc., \$22.50. Conant, 256-0012.

DBL. sliding glass/alum. patio door, 7'x6', \$45; wooden screen door, 30"x78", \$3. Cilke, 296-3665.

DACHSHUND AKC reg., dam is 11½ lb., sire is 8½ lb., born 10/23, will be ready before Christmas, \$85. Kroth, 268-4661.

BABY CRIBS, \$15 and \$27; record cabinet, \$5; twin wicker headboard, \$9. Nidever, 298-0538.

RAC TACHOMETER, 12 volt, 1 Corvette front end, fiberglass, only '63-64, \$25. Fuller, 294-3089.

GARAGE SALE: electronic parts, meters, resistors, capacitors,

etc., clothes, misc. household, Nov. 11 and 12 afternoon. Adams, 2819 Carolina NE.

CAMPING TRAILER, Santa Fe, 13', sleeps 4, \$600. Shipley, 298-2433.

MINIATURE SCHNAUZER puppies, grandfather is a champion. Forsythe, 299-2785.

SKI JACKET, men's med., goose down filled, nylon shell & lining, hip length, seldom used. Pettit, 255-1345.

TIRES: 1 Goodyear 7.50x16, 8 PR 14/32 tread; 2 General mud & snow 7.50x16, 6 PR 12/32 tread, 1 Ford 8 hole split rim. Entekin, 296-9238.

2-BIKE RACK for rear bumper, fits most model incl. VW, cost \$15, sell for \$10. Burns, 242-2407.

SHALLOW WELL PUMP w/hydrocell, heater & steel casing, \$75. Ash, 256-0120.

ENGLISH Springer Spaniel puppies, AKC reg., purebred, 8 wks. old. Barth, 345-0172.

TWO HOMEMADE QUILTS, \$50 ea., one 94"x84" multicolored pinwheel design; one 72"x86" pineapple applique on white background. Gregory, 344-4415.

MAGNAVOX console stereo w/AM-FM multiplex, treble horns, & 15" woofers, \$145. Bernard, 281-3279.

PENTAX model H-1 35mm camera w/50mm Takumar f2. lens. Harris, 299-6664.

ALASKAN MALAMUTE PUPPIES, AKC reg., Armijo, 255-2414 after 5.

2-BURNER Coleman camp stove; canvas cartop carrier; travel trailer toilet; Bundy trumpet, \$45. Sasser, 298-1439.

2 STUDENT desks/chairs, \$10/set. Kepler, 298-5652.

FRANCISCAN POTTERY, Starburst pattern, set of 8 plus many extras, oven safe, \$25. Plagge, 255-1801.

ASPEN CAMPER, 11', B/E refrig., monomatic, shower, etc. Hole, 255-1444.

UPRIGHT FREEZER, M. Wards, lg. capacity, white, quiet, modern, \$75. McIntire, 298-6145.

NEW SONY AM FM clock radio, \$40; auto ironer; 2 elec. heaters; desk. Kelly, 294-0284.

8-BOTTLE PLAYTEX nurser set, \$3; child's Eat-N-Play table, \$12; 2-burner Coleman camp stove, \$10. Kobs, 298-9133.

HEATHKIT: 1M-11 VTVM, \$25; TS4A TV alignment generator, \$50; VC-3 voltage calibrator, \$15. Braudaway, 281-3691.

COLOR TV, 23", Heathkit, GR681, walnut cabinet, \$199. Bemis, 296-1305.

KODAK pocket Instamatic 20 camera, orig. box & instruction booklet, 4 mos. old, \$15. Peabody, 296-6239.

TRANSPORTATION

'71 YAMAHA RT 1 B 360 MX and heavy duty trailer for 3 motorcycles. Dunn, 255-9213.

'68 VW, AT, radio, low mileage. Prevender, 299-5253.

'55 FORD Fairlane, recently modified, repainted. Jones, 255-7924.

'71 INTERNATIONAL Travel-all, PS, PB, R&H, AC, extra gas tank. Laster, 344-3378.

'66 PONTIAC Tempest w/326 cu. in. engine, dual exhausts, \$500, or best offer. Detorie, 299-1868.

'68 TOYOTA Corona, 2-dr. HT, 1900cc, 4-spd., radio. Vigil, 296-3590.

'70 HONDA 750 motorcycle, \$1050 or best offer. Schulze, 898-2880.

'65 DODGE VAN, new tires, R&H, \$500. Ortiz, 296-9758.

'67 DODGE ½-ton, lwb, hd bumper, AC, R&H, 383 V8, 4-spd., 64,000 miles. Gunckel, 877-3437.

'71 TOYOTA Corolla sports coupe, firefly yellow, 8,000 miles, \$1,700 firm. Wilkins, 299-4926 after 5:30.

'70 CHEVY Impala 4-dr., AC, PS. TerMaat, 299-9151.

'68 OLDS Delta 88 Custom, AT, PS, PB, AC, one owner, 49,100 miles, \$1,550. Stone, 298-4620.

'68 CHEV. stn. wgn., factory air. Johnson, 296-5957.

'71 PONTIAC Catalina 4-dr. sedan, AT, PS, PB, AC, R&H, 405 cu. in., 2 barrel carb., reg. gas. Steele, 299-9117.

'69 MUSTANG Mach I, 351-V8, PS, PB, AT, AC, green, black interior, heavy duty suspension, positraction, folding rear seat, \$1,775. Hawkinson, 281-5239.

'72 HONDA 350, 7 mos. old, \$700. Korski, 265-3885 after 4.

'62 FORD stn. wgn., AT, PS, PB, AC, 352, V8, \$295. Smaller, 299-8413.

'67 CHEVELLE SS396, 325 hp, 4-spd., PS, add-on-air, glass belted tires, orig. owner. James, 344-7854.

'64 JEEP WAGONEER, 4-wd, R&H, new tires, \$925 firm. Benedict, 255-6637, 2936 Santa Clara SE.

'65 FORD Galaxie 4-dr., AT, PS, PB, AC, radio. Wilson, 268-3633.

'71 SUZUKI 90, 2,500 miles, new back tire, \$300. Kepler, 298-5652.

'60 RAMBLER WAGON, \$200 or

best offer. Lewis, 294-1692. SCHWINN BIKE, 5-spd. ladies', \$55. Sasser, 298-1439.

'70 VW Squareback (sta. wgn.), near new tires, maintained per book, NADA \$1,825, sell for \$1,675. Shunny, 265-1620.

'71 TOYOTA land cruiser, 4WD, only 7,000 miles, \$2,700. Jewett, 256-3739 or 268-6383 after 5 p.m.

REAL ESTATE

3-BDR. MANKIN home in NE heights, carpet, drapes, landscaped, \$17,900. Hopkins, 298-6105.

WANTED

STORAGE SPACE in Tijeras Canyon area. Howard, 282-5279. INDIAN BEADWORK, artifacts, knives, baskets & pots, trade old gun or pay cash. Smitha, 266-9977.

TRADE 1 set maple bunk beds for a trundle bed. Frasier, 299-6933.

WILL baby sit in my home for girl 3-4 years old. Slesinger, 294-0293.

GOOD HOMES for 9 puppies, part Husky, very cute. West, 282-3460.

SERVICE MANUAL for '63 Pontiac. Ridinger, 298-4618.

RELATIVES WANT TO SKI Taos, need to reserve a cabin or condominium for them Dec. 25-30. Within 40 miles is OK; responsible adults will pay prevailing rates. Ferguson, 266-4769.

SAILBOAT, 14' to 24', day sailer or cabin. Westman, 255-6048.

DEEP SEA fishing rod & reel. Ristine, 298-8383.

USED GREAT BOOKS by Britannica. Hall, 299-0009.

MODEL AIRPLANE radio control gear. Laskar, 299-1024.

BABY SITTING in my home, just above Lomas at Tramway NE, meals & good mothering. Moss, 296-3877.

DRUM SET, used, 4 drums, cymbal & high hat needed. Gear, 282-3166.

DATA from accelerated life tests: see Take Note column. Prairie, x-5758.

IN-BOARD/OUT-BOARD tri-hull boat, 18', open bow, 2-4 yrs. old; water skis, Jr. & adult, & ski belts. Chandler, 296-3323.

SPOTTING SCOPE or high power tripod mounted binoculars. Schwoebel, 298-4295.

NEW, used, or practically shot tires, size 5.25/5.50 x 17 for 1933 Ford wheels. Sander, 299-5761.

BUTANE HEATER, vented, for 12'x20' garage. Hawkinson, 281-5239.

Chicken Tonight, Lobster Tomorrow

JOHNNY WELLS, country comedian who has appeared many times on Hee Haw television, will present a special hour show tonight at 8 p.m. as part of Happy Hour. The Prisoners will be loose on the bandstand and barbecued chicken will be the buffet feature. Adults pay \$1.25 for the buffet, kids \$1. At 9 p.m. Denny Gallegos will entertain in the main lounge. Special prices (cheap) will be in effect from 5 until 10 p.m.



Next Friday, Nov. 17, will see the Saints on the bandstand and a special show at 6 p.m. by the Mariachis Juvenile de Guadalajara, a group of youngsters from Mexico touring the U.S. to raise money for a Guadalajara orphanage. Rio Grande style Mexican food will be the buffet feature. On Friday, Nov. 24, Wildman Bob Banks and the Trio will make the happy music while fried shrimp will be spread.

* * * *

TOMORROW NIGHT, some 300 earlybird members (they made reservations early) will enjoy a Maine lobster and dancing to the Ken Anderson quartet. The rest of us will eat our hearts out. Next time, make reservations on time.

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HOLIDAY FASHIONS from Omar's Boutique will be modeled during the noon hour Wednesday, Nov. 15, by Soila Candelaria (1543), Peggy Stevens (5310), Sharon Mackel (5511), Pam Garcia (AEC), Brenda Carrasco (AEC), Frances Fejer (AEC) and Joanne Thoman.



BRENDA CARRASCO (AEC) will be one of seven models presenting holiday fashions from Omar's Boutique at a noon hour style show at the Coronado Club Wednesday, Nov. 15.

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FAMILY VAUDEVILLE NIGHT Saturday, Nov. 18, will feature a movie and magic. The magician will be Paul Britt assisted by Marjorie. The movie will be a goodie from a few years back called "Bye Bye Birdie" starring Dick Van Dyke, Janet Leigh and Ann-Margaret. There's a lot of singing and dancing in this one, and from Ann-Margaret, that ain't bad. Admission is free to members and family. Happy Hour bar prices will be in effect and super sandwiches will be available.

* * * *

SANADO WOMEN will meet Tuesday, Nov. 14, for sherry and lunch. Speaker will be Mrs. Wendell Chino, wife of the Apache Tribal Chairman, who will discuss "Indian Affairs — What Is It All About." Members of the KAFB Officers Wives Club will also attend the meeting.

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SOUL SESSION this month is scheduled Saturday, Nov. 25, with something called "Curtain" booked as the featured rock group. Happy Hour prices will prevail from 8:30 until 12:30 and super sandwiches will be available. Members get in free, guests pay \$1.

TRAVEL NEWS — The recent Spain/Portugal trip was a blast, according to Bud Wheeler (3251), Club travel director, as was the Mazatlan package. The travelers are still talking about Mijas on the Costa del Sol in Spain and the sailfish caught in Mazatlan. Rio is next, Bud says, scheduled Feb. 18-25, at a package price of \$502. A deposit is due at the Club office right away.



ONE OF THE HIGHLIGHTS of the recent Spain/Portugal tour was a day spent in Tangier, Morocco, where the Sheik of Araby conned Mary Campbell (7000 A) and her daughter Mary Ann into riding a camel.



Variable Annuity Unit Value

November	1.786
October	1.804
Average 1971	1.628