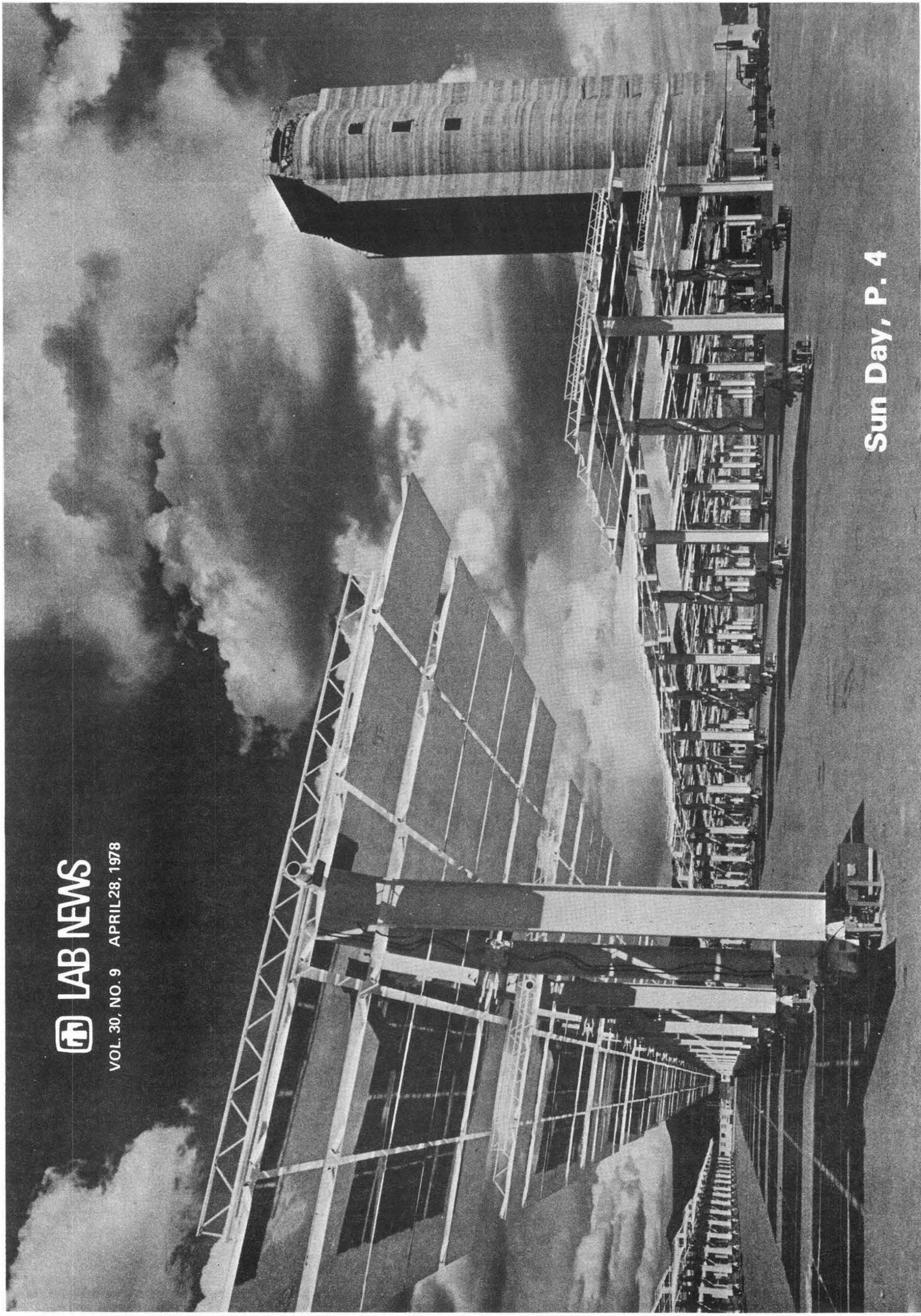


 LAB NEWS

VOL. 30, NO. 9 APRIL 28, 1978

Sun Day, P. 4



# Directors Appointed

Three directors have been named to fill vacancies on the Large Staff. Del Olson will head Microelectronics Directorate, while Ward Hunnicutt becomes Director of Plant Engineering 9700. Jack Strassel from WE fills the post of Director of Purchasing 3700 (note separate story).

Del came to the Labs in January 1953 and for 22 years worked with the weapons systems group. He held positions as section and division supervisor and, in 1964, was named manager of Systems Engineering Department. Currently he is manager of Digital Electronics Subsystems Department 2330.

"My new directorate is the group that provides the hardware for my former organization," Del says. "The microelectronics directorate has responsibility for design and development of large scale integrated circuits, hybrid microcircuits and firing sets. In addition, we'll provide support for solar programs, especially photovoltaics."

Del and his wife Dorie have five children, with one still at home. They enjoy fishing and camping trips and are anticipating good times in their recently acquired pop-up camper. The Olsons live in NE Albuquerque.

Ward, too, is a long-time employee who began work as a staff member in his current organization. He joined the Labs Plant Engineering group in 1950 and has held positions of section and division supervisor; he has been manager of Plant Engineering Planning Department 9750 since 1969.

Ward assumes his new position at a time when Sandia is engaged in its largest construction program ever. "In addition to the 5 Mw facility and the E-Beam and Safeguards buildings already under construction, we are hoping for approval on a reactor support facility for the people in Area V and, also, a Systems R&D lab," Ward says. "And I suspect that fairly soon there will be greater emphasis on the replacement and upgrading of our utility systems."



WARD HUNNICUTT (9700)

and DEL OLSON (2100)

Ward enjoys golfing, gardening and fishing. He and his wife Peggy have two sons—the older is with the public affairs division of the National Rifle Association in Washington, D.C., while the other is a senior at Arizona State University. The Hunnicutts live in the Bear Canyon area of NE Albuquerque.

\* \* \*



JACK STRASSEL is the Labs' new Director of Purchasing (3700). A Western Electric executive, he comes here from WE's Oklahoma City plant. Previously, he has filled Western assignments in New York, San Francisco, Denver and Cockeysville, Md. He is a graduate of Hofstra University and gained both BA and MBA degrees at that school. The new director replaces Larry Conterno, who has returned to WE.

## Labs Sponsors Symposium

The packaging and transport of radioactive materials is the subject of a Labs-sponsored symposium in Las Vegas, Nev., May 7-12. Four hundred people from 12 countries are expected, and more than 120 formal presentations are scheduled. It is the fifth such gathering.

Individual sessions will cover government regulations; sea, rail, highway, and air transport of radioactive materials; environmental impacts; accident response planning; safeguards programs; and treatment and packaging of nuclear waste.

Symposium chairman is Bob Jefferson, manager of Nuclear Fuel Cycle Technology Development Dept. 5430. Keynote speaker is George Cunningham, DOE's acting program director for nuclear energy.

## Sympathy

To Joe Magruder (1135) on the recent death of his mother in Albuquerque.

To Cliff Rudy (9742) on the death of his daughter in Albuquerque, April 16.

To Max McCoy (9581) on the death of his brother in Cuba, N.M., April 15.

To Jerry Gonzales (9572) on the death of his brother in Questa, April 11.

To George Williams (9573) on the death of his mother in Mora, April 13.

To David Staley (9571) on the death of his mother-in-law in Albuquerque, April 18.

## Congratulations

Mr. and Mrs. Felix Gutierrez (3252), a son, Bobby Ray, on April 10.

Estrella Vega and George Dulleck (both 2531), married April 22.

## LAB NEWS

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SCIENCE FAIR—Joan Plastiras (8326) and Donna Crawford (8325), left, and Monte Nichols (8313) were among the 11 Sandians who served as judges in the recent Bay Area Science Fair for high school students. Some 300 entries

were on view, and winners in the various categories will represent the Bay Area in the 29th International Science & Engineering Fair to be held in May in Anaheim, Calif.

## Selvage Reports on Solar Germany

Cliff Selvage (8470) was back in town from his assignments with the International Energy Agency in Germany recently, and we asked him about his early impressions.

"Fascinating. On the professional side, the project (to design two different 500 kWe power systems) goes well. We're impressed with the quality of the proposals we received from the participating countries. Two industrial teams—Accurex of Santa Clara and Germany's Interatom, which includes Martin-Marietta—were selected as prime contractors.

"On the personal side, I'm enjoying the place I'm renting. It's the lower floor of a half-century old mansion that overlooks a bend on the River Rhine between Cologne and Bonn. It's exciting—a steady procession of boats nudging trains of barges upstream. And sailboats on weekends trying to tack upstream—moving fast but not getting far.

"The house is unfurnished, and in Germany, that means *unfurnished*—no cabinets, even in the kitchen; no closets; no stove or refrigerator; no light fixtures even. Mine did have tiles, carpets, and linoleum, but that's only because the builder of the place (and father of my landlady) was an industrialist in floor coverings.

"The cost of living is high—two or three times the cost here—but some taxes are lower. I'm paying almost \$500 a month for a 120 square metre (about 1100 square foot) place. Gasoline is about \$1.80 a gallon. The telephone is only about 15 cents for each 'unit,' but to the U.S. a unit is only 1.37 seconds.

"My German is improving, but my colleagues insist on using English so I haven't had the chance to become fluent.

"I don't have a secretary or even a typewriter (and the secretarial pool has problems typing English), so I mail tapes to Sandy Moore here for transcribing whenever time permits.

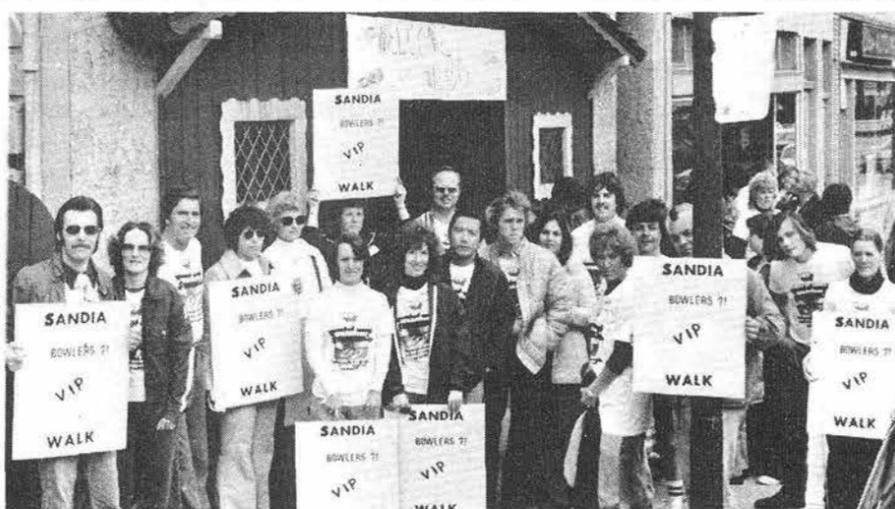
"One on-the-job attraction: my fifth floor office looks out over a NATO training field. So when I have a spare minute, I like to watch the soldiers in mock combat."

# LIVERMORE NEWS

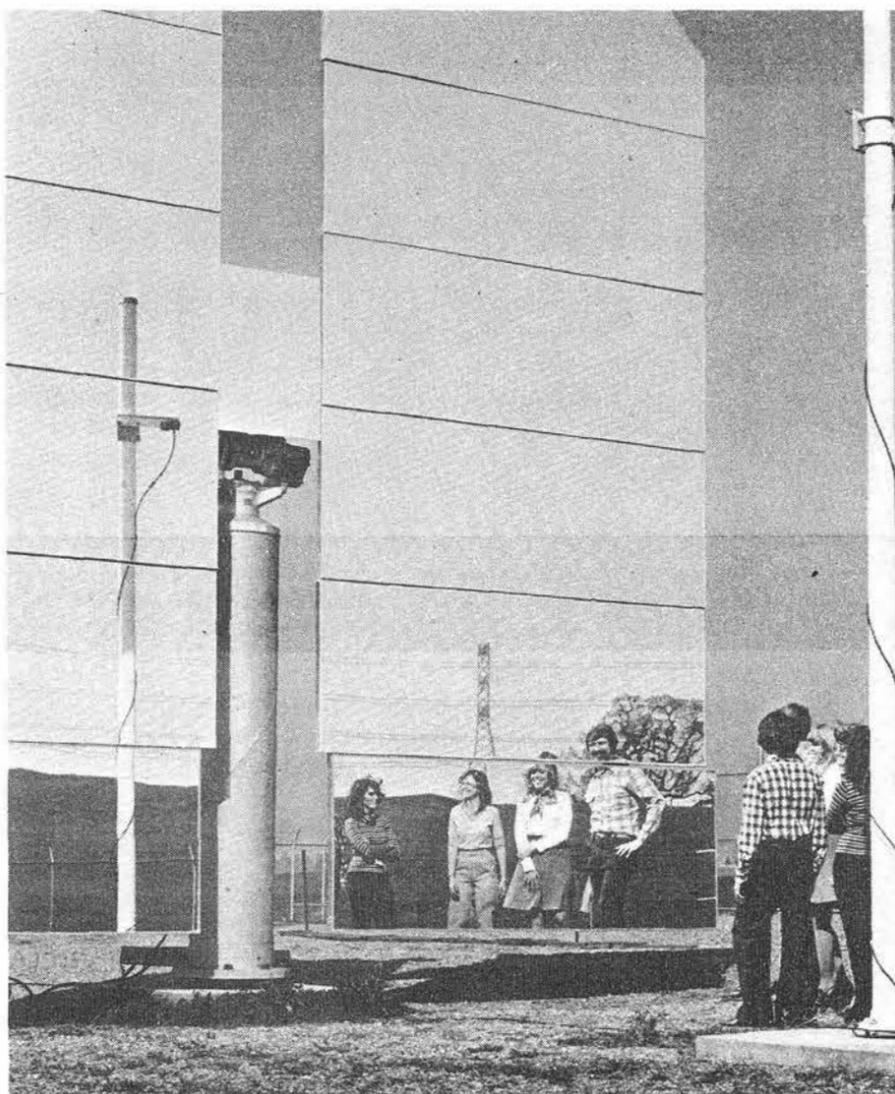
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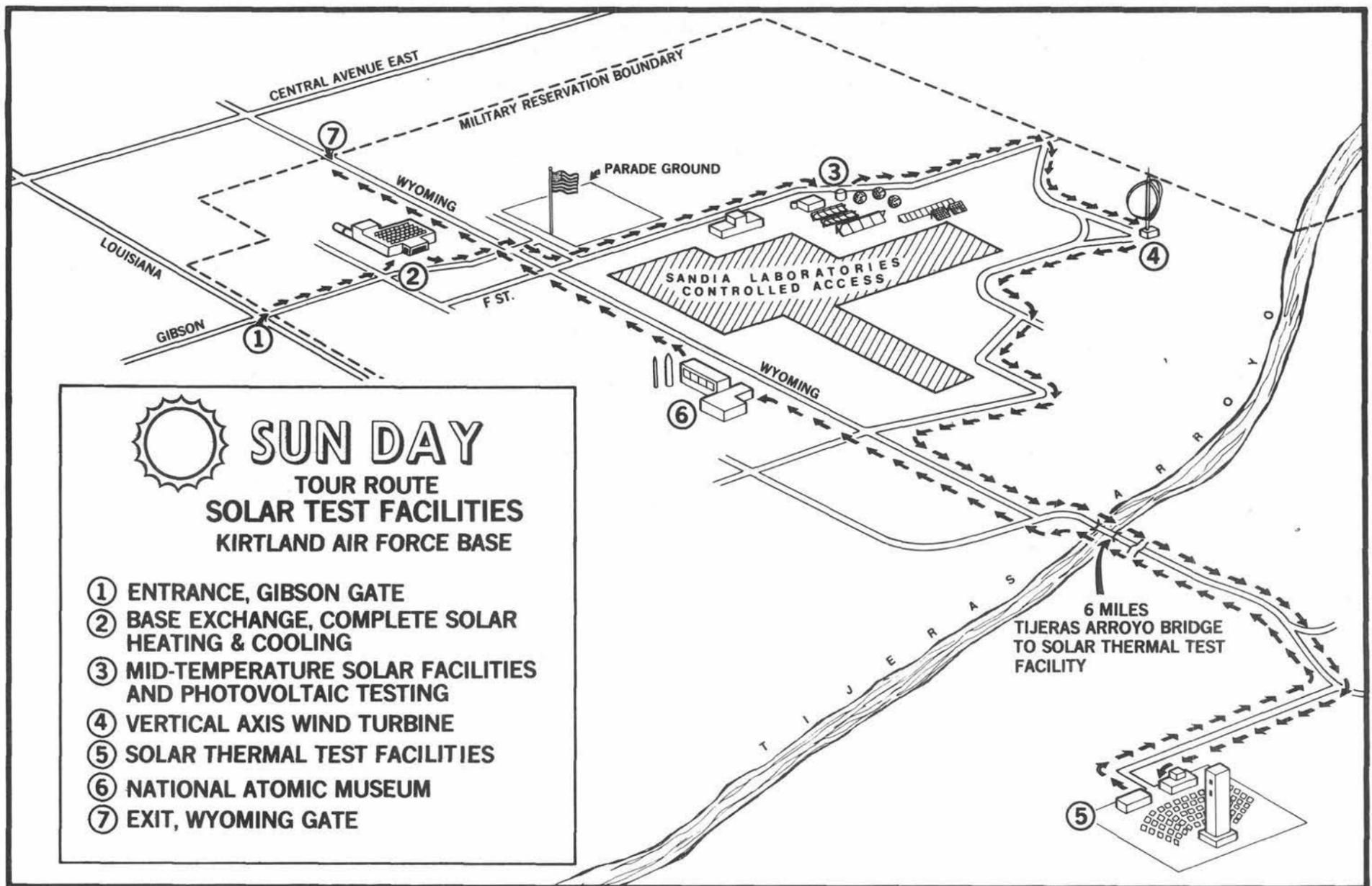
APRIL 28, 1978



MARCH OF DIMES BENEFIT—Some 30 Sandia bowlers participated in the VIP (very important pedestrians) mile category for businesses during the recent March of Dimes Superwalk benefit. More than \$30,000 was raised locally as a result of the walk-a-thon which twisted its way 20 miles through the Livermore Valley. Each individual who walked solicited sponsors for donations. The Sandians raised about \$600.



SUN DAY at SLL on May 3 will include a tour of the four heliostats in the Helio-stat Development Facility and a movie on Sandia's solar programs. Reflected in the McDonnell-Douglas heliostat are Pam Drumtra (8212), Darlene Baumgartner (8270), Carol Somersett (8323), and Bill Winters (8451); Steve Peglow (8451) wasn't reflective enough to show in the mirror, but he's there, too. Other sights for Sun Day visitors are LLL's solar survey (a photovoltaic cell-charged electric vehicle) and shallow solar pond facility.



## Wednesday Next Is Sun Day

Sandia's solar energy facilities and other solar installations and exhibits on Kirtland will be open to the public from 9 a.m. to 3 p.m. on Wednesday, May 3, in observance of Sun Day, the designated national solar energy day. Special events at the Civic Plaza are also planned.

For the occasion, Albuquerque residents are invited to tour the solar heated and cooled Kirtland AFB base exchange, Sandia's Midtemperature Solar Systems Test Facility, Advanced Concepts Photovoltaic Test Facility, Vertical Axis Wind Turbines, Solar Thermal Test Facility, and DOE's National Atomic Museum.

The facilities will be in operation (with the sun's cooperation) and manned by spokespersons who will describe operations and answer questions. Visitors are requested to start the tour at the Gibson Gate where Air Police will distribute leaflets showing the suggested tour route and points of interest.

The first stop on the tour route is KAFB's Main Exchange. Opened in 1977, the solar heated and cooled building has 43,000 sq. ft. of floor space. Its 9,000 sq. ft. of solar collectors fill 99 percent of the heating and 85 percent of the cooling requirements. It is one of two solar-equipped military base exchanges in the world.

The Midtemperature Solar Systems Test Facility east of Bldg. 832, is the nation's first solar total-energy facility to produce and use both electrical and thermal

energy. The Sandia facility produces 32 kilowatts of electricity and cascades the remaining thermal energy to heat and cool Bldg. 832.

Also east of Bldg. 832, the Advanced Concepts Photovoltaic Test Facility is operated by Sandia for DOE. It includes photovoltaic arrays which concentrate sunlight on solar cells to increase the electrical output of each cell. One tracking array uses 135 plastic Fresnel lenses which focus the sun's rays on the same number of solar cells to produce one kilowatt of electricity.

Vertical axis wind turbines are "egg-beater-shaped" windmills which Sandia is evaluating for generating electricity as part of DOE's wind energy program. The 15-foot-diameter prototype produces about one kilowatt of electricity in a 15 mph wind, and the 55-foot-diameter prototype produces about 60 kilowatts in a 28 mph wind.

The Solar Thermal Test Facility—the "power tower"—is the world's largest solar facility. Planned for Sun Day is an operation in which the heliostats focus sunlight on a working receiver mounted in a bay of the 200-foot-high tower. Operated by Sandia for DOE, the facility will be used to test solar receivers (boilers) and other components for future solar electric power plants. It has 222 heliostat arrays, each containing 25 four-foot-square mirrors, and it will produce 5,000,000 watts of thermal energy.

DOE's National Atomic Museum houses exhibits that show steps being taken to solve America's energy problems. Features include research in solar energy, fossil fuels, nuclear energy, environmental safety and energy conservation. Films on solar energy will be shown in the theater on Sun Day.

In addition, Sun Day observance in Albuquerque includes displays of solar energy projects at the Civic Plaza and workshops in the Convention Center. Among the solar exhibits will be 12 Science Fair projects, 20 commercial and government exhibits and eight projects by individuals to be displayed from 10 a.m. to 3 p.m.

Mayor Rusk is scheduled to speak at the Civic Plaza at noon. Afternoon workshops on passive solar heating and energy conservation will be held in the Convention Center.

### Cover Photo

Solar Thermal Test Facility is place for superlatives: world's largest with 222 heliostats, it will produce 5 million watts of thermal energy. Two-hundred foot high tower (Albuquerque's highest structure) will contain boilers under test as sunlight is focused upon receivers mounted on tower. Facility is one of several on Sun Day itinerary.

## Fun & Games

**Shooting**—In these parlous times, should a woman learn to handle and shoot a pistol? The Coronado Rifle & Pistol Ass'n. thinks so and is offering a course to women employees in the safety, handling, care, and shooting of revolvers and pistols. It will start the week of May 8, be conducted after hours, run for six sessions, you don't need your own gun (though you may bring your own), and it's free. Call: Dave Overmier, 4-3436, if you're interested.

\* \* \*

**Running**—Albuquerque Tumbleweeds are holding a meet tomorrow, April 29, at 10 a.m., featuring a 6- and a 14-miler. The course starts at the FAA building on Los Angeles Rd. at Louisiana, heads east and is mostly on dirt road. Both events are age and sex bracketed. AAU cards are required. Cost: \$2. Call Jose Suazo, 265-3291, for more info.

Next meeting of the Roadrunners is set for Tuesday, May 2nd, at 6:15 p.m. at Wilson Stadium. As is customary, a number of running events are offered for men and women and boys and girls of differing skill levels.

\* \* \*

**Summer Basketball & Volleyball**—The C-Club Rec Program director, Bob Giersberg, would like to start some activity this summer in these sports. Volleyballers would play outside on the sand court near the Club. Contact Bob on 4-8486 if you're interested.

\* \* \*

**Triathlon**—It's ten by bike, five by running, and a quarter-mile by swimming on Sunday morning, May 14. To keep the event manageable, entries are being limited to the first one hundred received. Triathlon T-shirts and certificates go to all finishers, and medals to winners and runners-up in the various brackets. Entry forms and info: LAB NEWS, 4-1053.

\* \* \*

**Biking**—The 6th annual Tour of the Rio Grande Valley was run Sunday last, and Chairman Walt Joseph (1713) reports that some 400 took part in the Century ride. Many of these were Sandians (we'd estimate as many as 50). Walt managed to select the one day that was relatively windless so that conditions were nearly ideal. Completion times for the Century ranged from a phenomenal 4½ hours to 12½ hours, the latter posted by a 37-year old woman who declared her determination to finish no-matter-what. And then we have the case of Sandian Ron Malpass (9412), president of SBA. Ron completed the 100 in 5 hours 20 minutes, turned around and proceeded to complete a second 100, straggling across the finish line in the dark, total time 13 hours and 5 minutes. Ron's reaction: "I sure got tired of riding through Isleta," (a 4-time occurrence).



A COLLOQUIUM SPEAKER this month was this man-in-the-middle (an occupational characteristic?), Governor Jerry Apodaca. He discussed scientific issues in New Mexico and exchanged views with Sandians in the audience. Pres. Sparks and Gil Cano (5422), former scientific advisor to the governor, accompany him to the auditorium.



BLACK COMMUNITY LEADERS were invited to the Labs earlier this month for a briefing about Sandia, with particular reference to personnel needs. Standing, Fred Ward of the John Marshall Community Center, Hugh Jones (3512) and Pres. Sparks; seated, Rev. A. A. Frank, pastor of the Fellowship Baptist Church; Etha Gray, Director of Progressive Community Service, and Jimmie Robinson (9631).

## The Sun Does Nasty Things Too

New Mexicans, especially those who came here from the dreary climes, regard the sun with near-religious fervor, and next week's Sun Day will be enthusiastically celebrated. But there's a dark side: skin cancer. Consider this, from a release by UNM's Cancer Research and Treatment Center:

"New Mexico's Anglo population develops melanoma (skin cancer) at a rate double that of the United States as a whole. Only Queensland, Australia and New Zealand have higher rates."

Because of this near-epidemic problem, the Center is sponsoring a separate activity called the New Mexico Skin Cancer Project which aims to reduce incidence of the disease by means of an educational campaign. If people are aware of the hazards, they can take the simple precautions which will in large measure prevent the occurrence of skin cancer. The campaign will also focus on early detection and treatment.

Besides the serious and sometimes deadly melanoma, there are the more common and usually less life-threatening basal and squamous cell skin cancers. A



change produced in the skin by exposure to sunlight, i.e., ultraviolet radiation, is the main cause of these cancers.

Speaking of the skin project, its chairman, Dr. Jack Redman, states: "We hope to educate people to be sensible in their sunlight exposure and to teach them that skin cancer is preventable. We also hope to encourage the public to learn the nature of skin cancer and to stress the fact that these cancers are curable when found and treated in an early stage. Above all...we want people to be able to enjoy our sunlight sensibly."

## Take Note

George Wright (1333) was recently elected Grand Master of Masons in New Mexico. His term of office runs until March of 1979. As Grand Master, George oversees Masonic activity in this state, with 68 lodges and 13,000 members. A previous Grand Master was also a Sandian—George Thorne, now retired. Other officers in the Albuquerque lodge include Herm Roser, ALO Manager, and John Hoice (2342). George is a long-time member of the Masons, having joined in 1964.

\* \* \*

Visitors to the Labs this month included a six-person group which represented a number of DOE offices. They were: Donald Kerr, Ass't. Sec. for Defense Programs; John Deutch, Director of Energy Research; Antoinette Grayson-Joseph, Dep. Assoc. Dir. for Field and R&D Coordination; George Bradley, Exec. Dir. for Management Support; Charles Gilbert, Dep. Dir. of Military Applications and Frank Minton, Program Analyst. President Sparks and a number of other high-level Sandians briefed the visitors on Labs programs.

\* \* \*

Four Sandians who will shortly graduate from the University of Albuquerque under the Education Aids Program have been invited to join Delta Epsilon Sigma, the honorary scholastic fraternity. They are Corliss Fenimore (2626), Walt Myers (3715), and John Trodden (2154), all BS's in Business Administration, and Barbara Rush (3500), BA in Art. Corliss had the distinction of a perfect 4.0 grade point average.

## Deaths



Carolyn Nichols of Shipping and Receiving Division 3423 died suddenly April 20. She was 37.

She had worked at the Labs for two and a half years.

She is survived by her husband, a son and daughter.

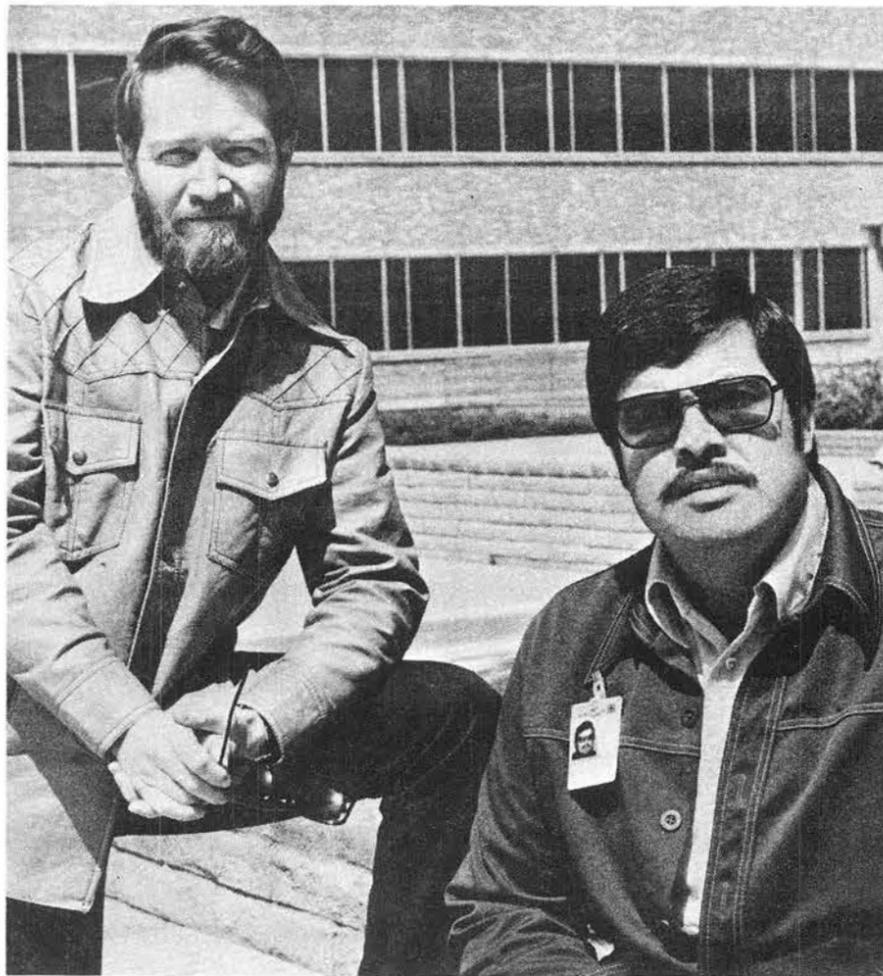
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Fred Millsap (9422) died April 24 after a long illness. He had been in Rochester, Minn., for a kidney transplant and had returned home to Albuquerque. He was 41.

He had worked at Sandia since September, 1956.

Survivors include his widow, two sons and a daughter.



WALT SCHIMMEL (5742)  
and THAD WERNER (3141)

## Supervisory Appointments

WALT SCHIMMEL to supervisor of Systems Analysis Division II 5742, effective April 1.

Walt joined the Labs in June 1969 as a staff member working on reentry vehicle systems analyses. In 1971 he transferred to the fluid mechanics group where his particular interests were with laser holographic interferometry and the deep sea disposal of radioactive waste studies. Walt's new responsibilities include studies for optimum use of energy systems.

Walt earned his BS in ME from Purdue University and an MS and PhD in ME and applied physics from Notre Dame. He is a member of ASME, the American Society of Rudimental Drummers (which permits him to teach drumming), and the American Goon Dagow Society (Kung Fu). In addition, Walt enjoys running and skiing and is an aficionado of wine making and tasting. Walt and his wife Jackie have three

children and live in the NE Heights.

THAD WERNER to supervisor of Technical Library Processes Division 3141, effective May 1. Since coming to Sandia in 1962, Thad has worked in the mailroom, in drawing reproduction, and in computer operations. With the latter group, Thad worked the graveyard shift and attended the University of Albuquerque during the day. He received his BS in business in 1968 under Sandia's Educational Aids Program. He became a programmer and systems analyst in the Technical Library and, in 1975, was promoted to supervisor of Library Process Section 3141-1.

Thad has continued his education under EAP and this October will receive his Master's degree from New Mexico Highlands University. Thad enjoys hunting and camping. He and his wife Donna have one daughter and live in NE Albuquerque.

## Celebration at Los Lunas

Los Lunas, 21 miles south of Albuquerque, celebrates its 50th anniversary next week. Although the village was incorporated 50 years ago, it was an existing town nearly 300 years ago and was named for the Luna family who had settled there on a large land grant. Descendants of Don Domingo de Luna continued to live in Los Lunas, where they ran immense flocks of sheep and were actively involved in the economic and political development of the country.

Los Lunas was made Valencia county seat in 1875. New county buildings were constructed in 1914, but the village was not incorporated until 1928.

Various activities have been planned for the birthday party. A number of contests are underway—motto, poem, song, posters, and beard growing. The village is conducting a clean-up campaign and Main

Street is draped with flags. A fashion show of old costumes will be held May 5; a reception and dance will take place the following evening, and May 7 will feature a parade down Main Street and the 50th anniversary celebration program, highlighted by dedication of the new bandstand at Daniel Fernandez Park. (The park was named after Congressional Medal of Honor winner and Los Lunas resident Daniel Fernandez who died in Vietnam after he threw his body on top of an enemy hand grenade. His actions saved the lives of five of his friends.)

Frank Gurule, Village of Los Lunas councilman and chairman of the Golden Anniversary Committee, welcomes additional marching bands for the parade and invites New Mexicans to attend the festivities. He may be contacted at 865-7110 or 865-6643.

# Short Takes on Fitness

Marathon fever is in the air. Do you know why it's 26 miles? That's the distance that Pheidippides ran from Marathon (which still exists) to Athens in 490 B.C. A tiny band of Greeks had vanquished the massive Persian army, and the Greek's fastest runner was sent to give the news to Athens. Having delivered the happy news, Pheidippides keeled over and expired but, according to poet Robert Browning, he died not from exhaustion but because his heart burst with joy, a somewhat academic distinction. All things considered, it would seem more appropriate for the thing to be called The Pheidippides rather than The Marathon.

Actually, the distance of today's marathons is 26 miles, 385 yards. Back in the 1890's an Olympic marathon was being staged in England and it developed that the finish line was 385 yards downstream from Queen Victoria's royal viewing stand. That, of course, would never do, and the imperial courtiers quickly saw to it that the great lady wouldn't miss the finish. The additional 385 yards has persisted to this day. If Queen Victoria had any comment, her words unfortunately were not recorded.

\* \* \*

Biking home after work, I cross the UNM campus and then skirt the university's old golf course on Stanford NE. I've been doing this for several years, but this spring that which is most noticeable is the many women who are running. The half-mile trail around UNM's athletic field always has many runners, and the same is true for the two-mile trail around the golf course. I'd estimate that one-half are women. This is a radical—and gratifying—change. After decades of indoctrination to the effect nice girls don't engage in strenuous physical activity, the nice girls (and the nice women) are beginning to relegate that tradition to its well-deserved obscurity.

\* \* \*

Buying running shoes? Not so long ago the choice was between two or three models. Then manufacturers, taking a tip from the ski wear industry, began to give running shoes a little sex appeal and *Shazam!*—the market has gone bananas and you are now confronted with, literally, hundreds of models to choose from. So which one is for you? Consider these suggestions by a representative of Starting Line Sports, which is affiliated with *Runner's World* magazine:

- \*Stick with known brands such as Adidas, Nike, Puma, Tiger, Brooks, New Balance and Etonic.
- \*Buy nylon, not leather. Nylon is more comfortable, requires almost no break-in time, stands up to water better.
- \*The shank of the shoe, from the ball of the foot to the heel, should be rigid to help support the arch. From the shank forward to the toes, the shoe should be flexible.
- \*A good shoe should have a built-up heel because we're used to heels in our

street shoes; otherwise, you risk Achilles tendon injury from overstretching.

- \*A cushioned mid-sole reduces leg soreness from shock.
- \*The heel counter should keep the heel firmly in place, holding it without causing blisters.
- \*Seams should be smooth or limited to eliminate another source of blisters.
- \*Expect a good shoe to give 750 to 1000 miles of running wear.

\* \* \*

Automobile drivers have been known to

make life difficult for runners. Now we have explication of this harassment from the guru of the pathology of running, Dr. George Sheehan. He submits that factors other than the obvious territorial conflict have made runners "the lightning rod for drivers' anger," and suggests that drivers implicitly sense the disdain that many runners have for America's technological society and for the sedentary way of life it has spawned. Moreover, says the good doctor, "drivers see the runner as a loner and resent him for it."

•js

## Retiring



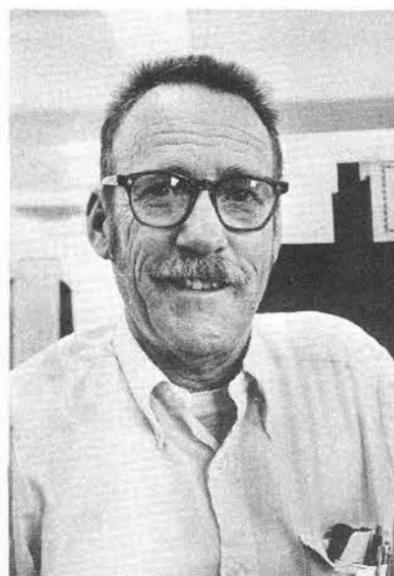
Harlan Lenander (9400)



Don Tyler (3171)



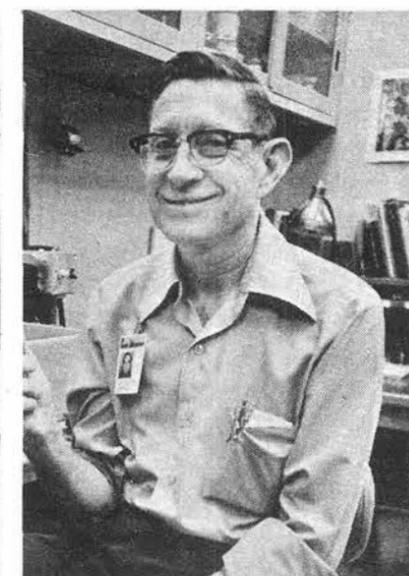
Bob Hopper (9700)



Neal Humble (9742)



Manuel Sanchez (9718)



Milo Conrad (1112)



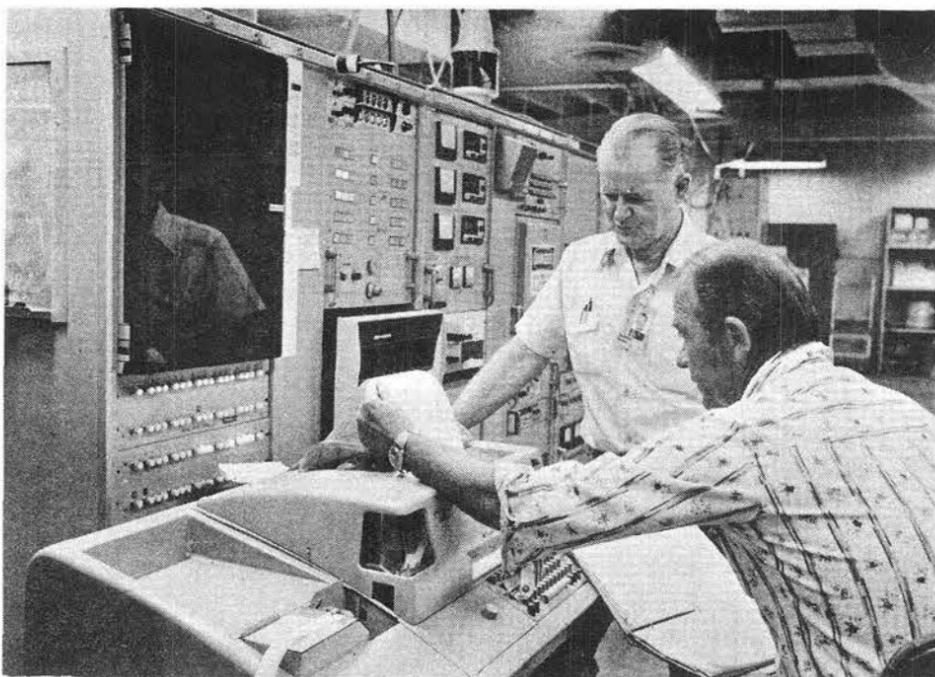
Quirino Carillo (9581)



Carthel Henry (3421)



Sam Baca (3430)



QEST operators Don Cole and John Talbutt (at keyboard) read acceleration data from a fire set mounted on centrifuge test fixture. Complete weapon subassemblies are performance tested at Sandia's Pantex facility.



DAS (Data Accumulation System), which incorporates four kinds of data from systems testing at the Pantex facility, is operated by Dorothy Macklin. DAS output goes directly into the Stockpile Systems Evaluation data bank.

## Sandians at Pantex Test Weapon Quality

For the 19 Sandians who work at the Pantex facility near Amarillo, the day starts with a 30 to 45 minute trip into the morning sun as they carpool east across the flat landscape of the Texas Panhandle. It is flat, mostly beige-colored, broken here and there by plowed earth or green fields of young grain. In the distance are silos, an occasional round tank for liquid fertilizer, and the airport towers of the Amarillo Air Terminal.

The Pantex plant, operated for DOE by the Mason and Hanger, Silas Mason Co., sprawls across the high plains in more than a hundred buildings, as well as many, many storage igloos for explosives. The Sandia facility, called the Stockpile Systems Test Laboratory, Division 9524, is sited in a separate security enclave. Inside the windowless metal building is a one-of-a-kind testing laboratory.

"Our job," says supervisor Bill Sherman, "is to play a major role in determining the health of weapons in stockpile. According to the QA stockpile sampling schedule, weapons are brought here from all over the world. They are first inspected and disassembled by Mason and Hanger. The nuclear systems are removed and some 60 percent of the stockpile fuzing and firing subassemblies come here to our group for testing. The remainder is divided between component and flight testing.

"For these tests," Bill continues, "we use QEST (Quality Evaluation Systems Testers) designed by Division 9526. These automated machines feed the proper signals into the weapon electrical system and then measure the response. The data tell us how well the subassemblies perform.

In testing, a system configuration as complete as it can be is mounted in the QEST fixtures. Special attention is paid to one-shot explosive switches, thermal batteries and the like which cannot be re-tested. The many data points taken during each test are recorded on magnetic and paper tape as well as on strip charts and punched cards. And some data are manually recorded. Combining all this data into a format acceptable to the data

bank had been a time consuming and painstaking job, performed at Sandia Albuquerque; in some cases up to two months would elapse and questions would still arise.

Now, however, a new Data Accumulation System (DAS) is in use which digests all data "at the source." DAS accepts manually recorded data, punched cards, paper tape and magnetic tape, arranges the data in the proper format, performs editing and produces magnetic data tapes. In addition, it provides a graph or plot of digital data. The magnetic output tapes from DAS are subsequently sent to Albuquerque for processing by the Scientific Computing Center CDC 6600's so that the data can be directly incorporated into the Stockpile Systems Evaluation data bank.

"The DAS makes our job easier, faster and more credible," says Leonard Parsons, supervisor of Test Section II, 9524-2. "If there's any question about any part of the data, we know it immediately. We can check our operating stations and verify the data within a matter of minutes."

DAS was designed by Frank Ross (9526). Larry O'Connell (9526) and Bob Isidoro (9523) are responsible for the software.

DAS operator Dorothy Marklin reports that nearly a thousand tests have been successfully edited and forwarded using the new equipment.

Bill Sherman, discussing the weapons stockpile testing business, mentioned a factor causing some concern to Quality Assurance people—aging.

"The Mk25 has been in stockpile more than 20 years now," he says. "We are watching the degradation of materials very closely. So far no serious problems, but we must keep tabs on everything."

Division 9524 also looks at new production—the W76, for example. "We find things that can be corrected very quickly," Bill says, "such as a crushed cable during production. Our location right 'next door' to the assembly site at Mason and Hanger also helps."

After testing, the weapons are re-



CARRIE BURLEY operates an OSCAR (for Oscillogram Automatic Readout) machine at the Pantex lab. The machine converts analog data to digital form.

assembled. Except for the one-shot devices, no destruction of components or systems has occurred. The used parts are replaced and, after inspection and certification, the weapons go back to stockpile.

"Details of the job continually change," Bill says, "but the mission remains the same—quality assurance of the nuclear arsenal."

## Events Calendar

*Through May 28*—"The Babysitter," Barn Dinner Theater, 281-3338.

*Through June*—Indian Pueblo Cultural Center, paintings by Shirpoyo of Isleta.

*April 28-30, May 5-7*—"The Wager," Mark Medoff, Vortex Theater, 106A Vassar SE, 8 p.m.

*April 29*—Albuquerque Barbershoppers 28th Annual parade of harmony, "Give Me A Girl."

*May 3*—Maxwell Museum lecture on contemporary southwestern Indian pottery, by Rick Dillingham, Presbyterian Professional Center, 201 Cedar SE, 7:30 p.m.

*May 3*—Feast Day and Corn Dances at Taos and Cochiti Pueblos.

*May 5, 6*—"Carmen," Albuquerque Opera Theater, Popejoy Hall, 8:15 p.m., 243-6300.

*May 7*—Cat Show, Flower Building, State Fairgrounds.



# MILEPOSTS

## LAB NEWS

APRIL 1978



Don Baumann - 8431 25



Sadie Hesselden - 1754 10



Don Marchi - 2515 10



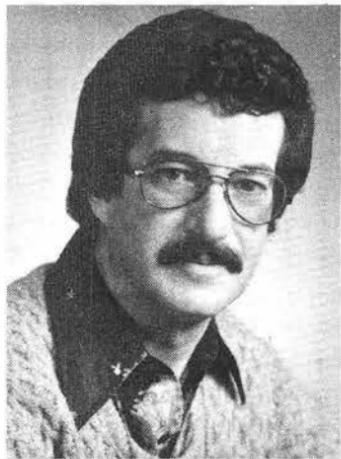
Phyl White - 4340 15



Melvin Brock - 9526 25



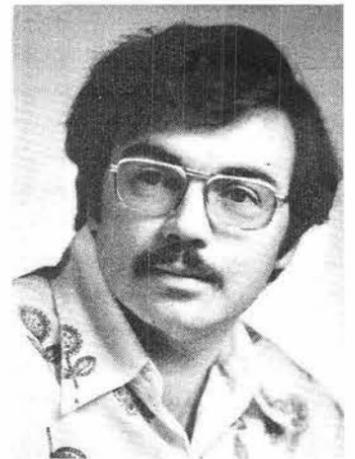
Joe Abbott - 2112 20



Al Mederios - 8256 15



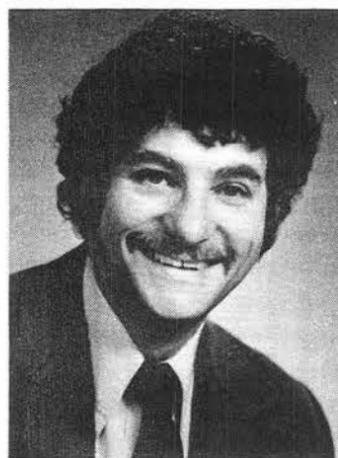
Thurman Foreman - 1133 20



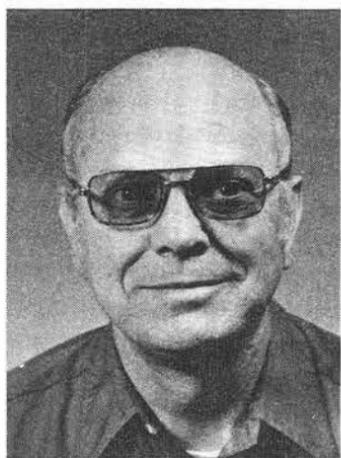
Jerry Moore - 8424 10



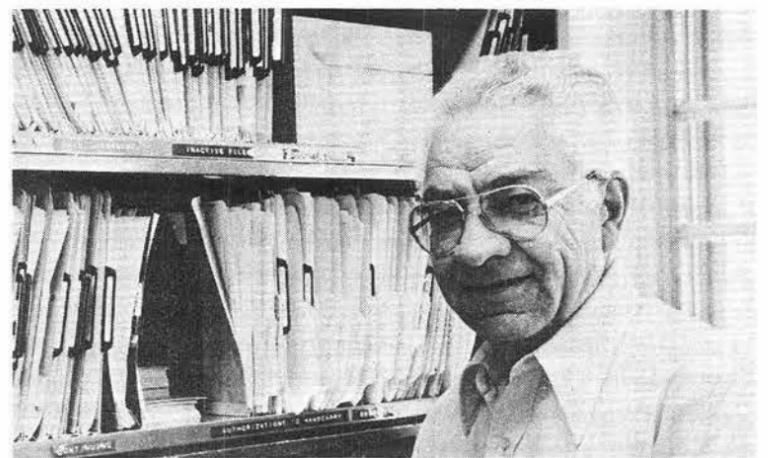
Jose Suazo - 3423 30



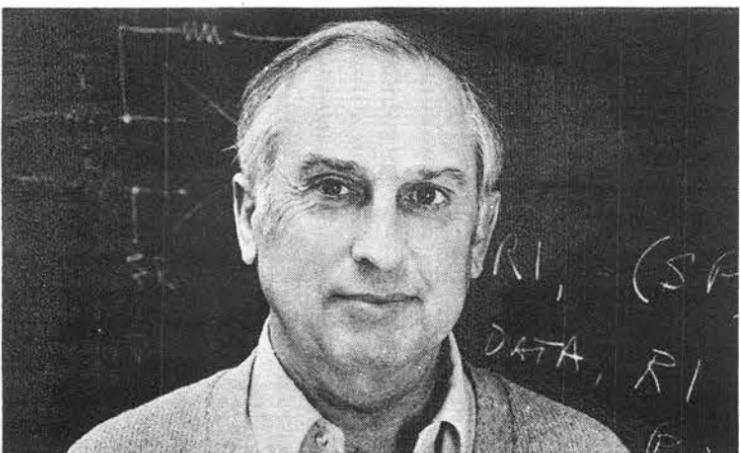
Hal Brint - 8323 25



Charles Arning - 9651 20



Rudy Ortiz - 3431 25



Mel Vick - 9484 30



Wilda Kamm - 3172 15



James Wheeler - 2552 30



Bob Taffe - 2160 25



GROUND BREAKING AT TTR—One of Harlan Lenander's last official acts before retiring was this ground-breaking for the soon-to-be constructed Operations Center at Tonopah Test Range. Harlan chose a hard spot, so Sam Moore, Range Manager, had to move the dirt! Most of the Range people were

on hand for the action. The ceremony concluded with the appointment of Harlan as "Range Rat Emeritus," and presentation of memento. F27 model depicts aircraft used by TTR commuters between Las Vegas and the Range. Oly beer can depicts...well, use your imagination.



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

**CLASSIFIED ADVERTISING**  
 Deadline: Friday noon prior to week of publication unless changed by holiday. Mail to: Div. 3182 (814/8).

**RULES**

1. Limit 20 words.
2. One ad per issue per category.
3. Submit in writing. No phone-ins.
4. Use home telephone numbers.
5. For active and retired Sandians and ERDA employees.
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**

TRASH BAGS, city approved, \$4/box, \$20/case of 6, South Hwy. 14 Project. LAB NEWS office, Bldg. 814.

FIVE split rim 3/4-ton truck wheels; 8-hole GMC, 7.50x15, \$15 ea. or \$60 for all, tires included. Glauner, 299-0277.

DINETTE TABLE, 4 chairs & 20-piece camping dish set, \$50. Metzgar, 242-1028.

3 BUCK RABBITS, 2 English Black, 1 English Chocolate, all have excellent markings, one State Fair blue ribbon winner. Benson, 268-3586.

HIDE-A-BED, blue green nylon. Rakoczy, 881-1372.

BIKE, 5-spd., 20", \$25. Kenna, 298-6059.

SEARS water pump w/tank, \$50; lathe & jigsaw. Martinez, 299-1918.

21" elec. start, self-propelled Toro lawn mower, \$175; Sears lawn spreader, \$20. Heightley, 296-2961.

AM DELCO radio, AM-FM stereo, Motorola, for Ford in-dash. Torres, 864-4792.

SHELTIE PUPPY, known as Toy Collie, AKC, sable-white male; 5x8 Nationwide utility trailer, covered, gold w/spare tire, \$325. Hamilton, 869-2718.

OXY-ACETYLENE cylinder truck, torches, hose, goggles. Kurowski, 881-1859.

FIVE 14x7" Ford G.T. rims; four 15x8" Jackman rims for Ford truck. Torres, 864-4792.

BATH ROOM FIXTURES: washbowl, stool & tub, \$40. Padilla, 877-2116.

LAWN MOWER, push type, Sears Craftsman, 18". Eldredge, 881-4528.

FIVE JACKMAN rims & tires, 10x15" for Ford truck, 5000 miles on tires. Jaramillo, 864-8491.

73 8' CAMPER, stove, icebox, sink, etc., sleeps 2, \$450. Romme, 299-8765 or 293-4551.

ANTIQUE, golden oak, refinished furniture: 4x4 extendable dining table, \$175; dresser, 3-dwr. w/mirror, \$175; spinning wheel, \$125. Caffey, 296-3320.

2 JAN SPORT children's pack frames, \$20 ea.; REI adult pack frame,

\$10. Drumheller, 821-9527.

GE DRYER, \$75; 12' Fiberglass canoe, no leaks, \$50. Johnston, 869-3196.

GIRL'S BIKE, 20" Spyder, thorn proof tubes, racing type bars, chrome fenders, \$35. Stuart, 265-7315.

BOUNCE POOL TABLE, 28x44", w/accessories, \$75. Bear, 881-7128.

THERMALPANE WINDOW, 36H x 72W sliding w/screen & white mini-blind, \$100; 2 pr. skis w/bindings, \$25 ea.; ski boots, \$15. Brammer, 266-5158.

SET OF GREAT BOOKS, \$200 or best offer. Potter, 268-5451.

USED CARPET, brown nylon, 15'x20', \$15. Anderson, 294-8451.

2-BURNER camp stove, \$10; gas lantern, \$7; medium wt. 3-way pan head tripod, \$15. Klett, 298-7892.

SMITH CORONA Model 200 elec. typewriter, script type & stand; pressure type paint roller w/regulator; paper log roller. Jackson, 296-1307.

76 TRAVETTE cabover camper, tie-downs, other extras, \$1595. DeHaan, 268-6120.

KITCHEN SINK, 2-basin, white, cast iron, \$15. Laskar, 299-1024.

FIBERGLASS front spoiler to fit VW bug, \$19; 4 VW tires & wheels, \$20; '68 G.T. 390 Ford block & connecting rods, std. bore. Champe, 299-0066.

USED 3/4" black pipe, 70 feet, \$15; white pedestal sink, \$35; antique cast iron open flame gas heater, \$12. VanDenAvyle, 898-6474.

BOOTS, Honda line Enduro, size 10 1/2, \$30; Britannica Junior Encyclopedia, '65 edition, \$5. Kepler, 298-5652.

BOY'S 20" knobby tire bike, \$20; bath sink w/fixtures, \$5; unused 21" B&W TV picture tube, \$5. Rebarchik, 299-1385.

POOL TABLE, 3/4 size, sticks, balls, etc., \$35; Schwinn 20" bicycle, 3-spd., \$15. Kadlec, 881-2543.

RABBITS, Black Netherland Dwarf, 6 wks. old, will weight 2-2 1/2 lbs. when grown, \$5 ea. Carter, 296-8709.

PIANO, Kincaid console, lt. finish, \$500. Jones, 255-2106.

36" GAS RANGE, white, \$80; hutch, china, \$45; 3-dwr. desk, \$25; dbl. kitchen sink, cast iron, \$15; white bathroom closet, \$15. Garcia, 256-7606 after 6.

STEREO, dark wood, console, AM-FM radio, phonograph, Penncrest model, no tape capability. Marchi, 299-3653.

IRRIGATION PUMP, 6"; Rollaflex camera; fuel storage tank, 300 pounds. Riley, 869-2119 after 6.

SOFA, lg., pale green & gold, 8' long, \$200 or best offer; black contemporary chair, make offer. Stoker, 821-3354.

ACOUSTIC GUITAR, \$25; maple twin beds, \$25; drop-leaf maple coffee table, \$30; alum. windows, 3'x5', \$10; 4'x8", \$20. Mowrer, 281-5595.

TYPEWRITER, electric portable, Smith-Corona, \$95. Kohut, 296-8537.

DOUBLE BED, solid maple 4-poster w/canopy frame, \$50; dbl. mattress & box springs, \$40. Guth, 821-4704.

LIVING ROOM SET: 3-piece sectional, orange nylon upholstery, converts to bed, \$150. Cleveland, 298-0218.

KENMORE washing machine, copper-tone, will deliver, \$90. Cook, 869-6921.

SEWING MACHINE, Sears zig-zag w/cabinet; slide projector; micrometers inside outside; old working refrig.; patio tables; Whizzer motor-bike. Singleton, 299-1613.

STAND-UP BAR, 6'x4'x2 1/2', formica work area, 2 ice bucket cut-outs, mosaic top, padded arm-rest, storage area, \$40. Palmer, 256-3164.

20", 5-SPD. Schwinn applecrate bicycle w/shock absorbers & disc brakes, Cost \$110, asking \$55. Siska, 298-5756.

**TRANSPORTATION**

'68 VW Bug, FM stereo cassette, asking \$975. Curtis, 881-2440.

'74 PORSCHE 914, 1.8 liter engine, AC, AM-FM stereo cassette. Chandler, 296-9788 or 299-4496.

'73 125 PENTON Motocross bike, \$275 or best offer; boots, leathers & helmet. Barbera, 1006 Dorothy NE, 299-6045.

'78 HONDA CB400, 3K miles, \$950. Rakoczy, 881-1372.

'72 HUSKY 450cc WR dirt bike, Boge shocks, \$490; '70 YAMAHA RT-1 360cc Enduro, licensed, \$300. Ferguson, 266-4769.

'75 VEGA Hatchback, AT, factory air, vinyl top, sell for NADA loan value plus \$150. Carr, 296-6882.

'71 3/4 ton DODGE Camper Special, AT, PS, radio, bucket seats, split rims, w/8 1/2" cabover Road Runner camper, monomatic toilet, jacks, sway shocks, booted, \$3700. Houghton, 299-3386.

'72 CORVETTE, both tops, 350, PS, PB, AC, steel radials, new paint, \$5900 or best offer. Sena, 881-2224.

'68 CHEV. Impala, 327 V8, AT, R&H, PS, AC, 2-dr. HT, vinyl top. Padilla, 877-2116.

'67 BUICK LeSabre, radio, AT, \$400. Schaedla, 898-9210.

'70 VW CAMPER VAN, AC, new radials, AM-FM stereo. Esch, 292-0754.

'67 GMC Suburban Carryall, V8, AT, AC, PB, PS, 3 seats, equipped for trailing. Anderson, 293-2490.

'70 FORD Torino, 4-dr., 302 V8, AT, PS, PB, AC, radio, \$1000; snow tires, used 1 season. Stake, 821-9313.

'65 MUSTANG w/4-spd. trans. Fisher, 881-8072.

'71 FORD Custom, 4-dr., V8, white vinyl top, yellow body, new paint, AT, PS, PB, AC, radio, \$625. Moody, 281-3466.

'70 EL CAMINO SS 396, AT, PB, PS,

new paint, mags, \$1500, negotiable —will trade. Sanchez, 836-3060.

'69 PLYMOUTH 2-dr., 318V8 4-spd. trans., \$375. Jones, 881-1918.

'74 YAMAHA 175A, low mileage, street equipped, tool kit included, \$500 or reasonable offer. Swanson, 265-2493.

'73 Scout 4x4, AT, PS, PB, loaded, 57,000 miles, \$3195; '67 Mustang, 289V8, AT, PS, AC, new tires on Mag wheels, \$950. Garcia, 293-3937.

'72 PONTIAC Catalina, factory trailer pkg., 4-dr., 455 engine, AC, PS, PB, radio, maintenance record, orig. owner. Zickert, 898-3475.

FLYING EIGHT CLUB seeks responsible individual to purchase existing full membership. \$20/mo.; wet rates: C-150, \$12/hr.; C-182, \$22/hr. Schkade, 293-7453.

'69 FORD country sedan, AT, PB, PS, AC, 67,000 miles, \$600. Hastings, 881-6789.

'69 TOYOTA Corona, 4-dr., 4-spd., 88,000 miles, \$650; '57 Jeep wagon, 4-wd, \$750. Mowrer, 281-5595.

'72 INT. SCOUT II, 4-wd, AT, PS, PB, AC, soft top, make offer. Cover, 881-3860.

BICYCLE, Hercules, 3-spd., \$20. Bush, 281-3773.

'76 CHEVY LUV, 4-spd. w/overload springs. Maxwell, 298-5771 after 5:30.

400 SUZUKI MX, \$300; 250 Suzuki MX, \$195; mini bike, \$40; 175 Honda XL, \$425. Brock, 865-4055.

'72 G20 CHEVY VAN, raised fiberglass top, V8, AT, PS, 11,000 miles, sink, cooler, stove, \$5600 or best offer. Perez, 898-3002.

**WANTED**

PLACE SETTINGS or serving pieces for Noritake "Ravel" pattern. Smiel, 865-9081.

FORD 15" rims, 5-hole or chrome rims. Jaramillo, call collect 864-8491 after 6 weekdays or anytime weekends.

VOLUNTEERS to man the phones at the Suicide Prevention and Crisis Center. Volunteers must complete training course. Dorothy, 265-7557.

REIS or Valley equalizer hitch for a trailer w/a tongue wt. of about 200 lbs. Cropp, 296-1877.

TO RENT: RV or camper for 1 week in June or July for small family vacation. Turner, 293-4790.

BOWLERS to join non-smokers summer mixed foursome league, teams, couples or individuals. Long, 296-2590.

SWING SET or gym set. Borgman, 299-6010.

CAMPER SHELL FOR LWB pickup, 30" high or less. Hall, 298-8617.

HIGH PRESSURE gas cylinders to be used with oxy-acetylene welder. Harstad, 298-6551.

UTILITY TRAILER, 4'x8' to 6'x8' bed, 1500 lb. or greater load capacity. Hughes, 299-6674.

**REAL ESTATE**

2-BDR. CABIN, completely furnished, new 2-car garage, Elephant Butte, N.M., 87935. Ryanczak, 744-5442.

BOSQUE FARMS: 2.5 acres prime farm land. Quintana, 294-8930.

MOBILE HOME, 12x60, at Elephant Butte; lot & a half, all utilities, garage, patio, fruit & shade trees. Lassiter, 255-7991.

3-BDR., LR, DR, den, 1 1/2 baths, custom drapes, alarm system, covered patio, sprinklers, RV access, storage, 1850 sq. ft. O'Neal, 296-5221.

TWO HOUSES: 2-bdr. on approx. 1 acre; 1-bdr. on approx. 1/4 acre; \$55,000, will consider selling individually. Chavez, 243-4825.

**FOR RENT**

LARGE efficiency apt., furnished, in new 6-plex at 300 Penna Ave., \$159/mo. plus util. Erickson, 296-0126 or 294-5031.

2-BDR. HOUSE, carpet, drapes, stove, ref., washer/dryer hookup, attached garage w/work bench, covered patio, grass, walls. Bozone, 298-2527 after 5.

3-BDR., 1 1/2 baths, unfurnished, garage, walled yard, Ashcraft area south of Winrock, lease only, \$350/mo., available June 1. Schwobel, 298-4295.

LAKE FRONT CABIN, Vallecito Lake near Durango, available day/week, fully furnished, modern 3-bdr., w/fp, vacation reservations. Croll, 881-7235.

3-BDR. near Winrock, 2 baths, study, lg. den w/fp, summer porch, many extras, lease \$450, available June 1. Brown, 299-1785.

3-BDR., 2 baths, lg. FR w/fp. lg. walk-in cedar closet, many extras, lease \$450, available June 1. Brown, 299-1785.

**WORK WANTED**

HANDYMAN JOBS for college student; painting, fixing, hauling, have pickup & tools. Stixrud, 298-0478.

**LOST AND FOUND**

LOST—3 File keys, 3-strand silver heishi earring w/turquoise beads, men's Rx sunglasses in dk. green case, pineapple-shaped electroplated necklace.

FOUND—2 red keys. LOST AND FOUND, Bldg. 832, 264-1657.

**Coronado Club Activities**

# Brown Sugar Tonight; Soul Session Tomorrow

TONIGHT at Happy Hour baked ham and roast turkey top the buffet menu while a group called Brown Sugar is wired into the bandstand.

SOUL SESSION tomorrow from 9 to 1 features a group called Etcetera. Admission is free to members, guests \$1.

NEXT FRIDAY, pot roast is the buffet feature; La Ultima plays for dancing. Singles party in the El Dorado room starting at 4:30—chips, dips and live entertainment.

SANADO CLUB introduces newly-elected officers at a luau Saturday, May 6. President is Carol Larson. Mary Ann Crawford is 1st VP; Ruth Frye, 2nd VP; Vicky Clark, 3rd VP; Beverly Reynolds, 4th VP; Sally Cleland, 5th VP; Donna Baremore, secretary; Dee Wyant, treasurer.

TRAVEL DIRECTOR Ed Neidel (2166) will show movies and report on London during its recent Silver Jubilee celebration at the Club Wednesday, May 10, at 7:30 p.m.

Ed also announces several new travel packages—LAS VEGAS, three days starting June 14, round trip air fare, Fremont Hotel, \$137 double occupancy—CUMBRES & TOLTEC, scenic railroad trip from Chama to Antonito on June 24,

FRIDAY	SATURDAY
28—HAPPY HOUR BAKED HAM AND ROAST TURKEY BUFFET  Adults \$3.50 Under 12 1.92  BROWN SUGAR	29—SOUL SESSION 9 to 1  ETCETERA  Mbrs Free, Guests \$1
5—HAPPY HOUR POT ROAST BUFFET  Adults \$3.50 Under 12 1.92  LA ULTIMA  4:30—Singles Mingle	6—SANADO LUAU  Cocktails at 6 Dinner at 7  MELLOTONES

Aug. 26 or Oct. 1, \$12.80 for adults, \$4.80 for children, pre-trip meeting on May 16—SPAIN, 21 days departing June 26, RT air, tour from Madrid by bus through Toledo, Granada, Cordoba, Seville, and Santiago, hotels, some meals, workshops and guide, \$1375. Pre-trip meeting at Club May 2.—RIO GRANDE RAFT TRIPS, family adventure, one day, all day, \$35, Taos Box Canyon, June 4, White Rock Canyon from near Santa Fe to Cochiti Dam, June 10.

Still open are air fare only trips to Europe and Hawaii, a Mediterranean air/sea cruise, and a raft trip down the Colorado River. (River runners pre-trip meeting May 9.) See Ed tonight in the lobby between 6 and 7 for the full scoop.

UPCOMING EVENTS—Prime Rib/Nostalgia Night with Phil Lenk Trio and 14-piece Seasonaires orchestra May 20; Swim Season starts May 27.

**Our Town**

## Downtown Saturday Night

For most Albuquerqueans, a suggestion to go downtown on a Saturday evening is about as well received as a salacious story at the church supper. After all, downtown is for winos, panhandlers and witless adolescents cruising Central in their low riders. It's been a depressing place.

But that may change this summer, because a talented and energetic group of people working out of Mayor David Rusk's office have come up with a series of public entertainments—all centered in the downtown area on Saturday nights—that have the look of winners. Consider the offerings for the first of the "Downtown Saturday Nights." It's on May 6, is called French Night, and includes (among others) the French ballet, folk dancing, a masquerade ball, a wine-and-cheese tasting coupled with a French photography exhibit, a bicycle race, the symphony ensemble, two sidewalk cafes and a French food booth, sailboat races in the Civic Plaza, a French fashion show, fencing matches, a number of art exhibits and a French discotheque. And more. And most things are free.

Central will be blocked off for these occasions, and some 8000 free parking spaces will be available in the immediate vicinity.

Downtown Saturday Night will be a weekly occurrence through the end of July, with each evening's entertainment based on a motif that is generally ethnic. For example, May 13 is Scandinavian-Scotch-English-German-Welsh; June 24 will reflect the Mediterranean culture. It's not all ethnic though—May 20 is entitled "Women" and May 27 "Military."

The City Spirit staff (as Mayor Rusk's group calls themselves) have obviously done a great deal of homework in putting together Downtown Saturday Night. LAB NEWS will keep you posted on the upcoming events. It's a noble experiment, and we hope it works.



NATIONAL SECRETARIES WEEK—Rita Huff (left), Chairman and Professor of Accounting at Sam Houston State University, was the colloquium speaker earlier this week. Helen Davison (1300) was her host. Addressing Sandia secretaries, Ms. Huff discussed secretarial work and becoming a Certified Professional Secretary (CPS). For the last two years, she was Dean of the Institute for Certifying Secretaries.

