

## WE Has New Top Man

Harvey Mehlhouse, WE Board Chairman, will retire on Feb. 29. On the following day WE President Donald Procknow will assume the functions, authority and duties of Chief Executive Officer in the company. Mr. Mehlhouse is a Sandia alumnus of the '50s and served on our Board of Directors.



Donald Procknow

Another member of the Labs Board, Arthur Clow, currently Executive Vice President of WE, will also be leaving. Mr. Clow retires on May 31 and will be succeeded by James Herbert, now Vice President, Safeguard System.

### For Planetary Quarantine

## Why Dust Sticks: High Humidity

Absorption of moisture at higher humidity levels appears to be the major reason why dust particles adhere to surfaces, accounting for about 80 percent of the particles retained on test strips used in a recent study conducted at Sandia Laboratories. The remaining 20 percent were retained by electrostatic, molecular and other forces acting in the dry state.

The study was conducted for NASA by Sandia's Planetary Quarantine Applied Science Division 1742 to determine methods of sterilizing spacecraft so that microorganisms are not carried to other planets.

While adhesiveness of most naturally occurring particles is increased during and after a rise in humidity, the study shows that hygroscopic (water absorbing) particles pose special problems. These particles dissolve — either partially or totally — then form strong bonds with the surface. This occurs in a few minutes of elevated humidities.

Water collected by these particles can cause corrosive pitting of metallic surfaces. Corrosion may be accelerated if the particles increase the alkalinity or acidity of the absorbed moisture.

(Continued on Page 5)



TOM DAVID, left, of UNM and Willis Whitfield (1742).

# LAB NEWS

VOL. 24, NO. 4

FEBRUARY 18, 1972

SANDIA LABORATORIES • ALBUQUERQUE NM • LIVERMORE CALIF • TONOPAH NEV



NINE TONS of waste corrugated cardboard, baled by Division 4623, moves from Sandia's Salvage Yard to be recycled by a local firm. Wilfred Sanchez (4614) loads it on the truck. Allied Materials Corporation will convert it into a base for roofing paper.

## Waste Cardboard Now Being Recycled

Nine tons of waste cardboard moved from Sandia's Salvage Yard last week to a local processor for recycling. The effort is the beginning of what is hoped will be a regular event — deliveries at least once a month.

Corrugated cardboard finds a ready market and is processed to become part of the felt backing of asbestos shingles or the base for roofing paper. At Sandia the cardboard is gathered by janitors, grounds maintenance people, and the shipping and receiving organization. The Salvage Yard arranges for sale of the stuff.

The sale is the result of efforts by Sandia's Recycling Committee, organized last June by Charlie Campbell, vice president 4000. Bob Lemm, manager of Materiel Redistribution, Receiving and Shipping Department 4620, is chairman.

"Our job is to find ways and means to recycle material — any material that can be a useful part of the nation's resources," Bob

says. "We've had the greatest success with metals. These are easy to recycle and the cost of handling is offset by sales. Sandia has done this for years. We've installed new recovery systems for silver from motion picture film processed at Sandia and we have a method of accounting for and removing gold from gold-plated material slated for salvage."

The committee has studied recycling of other materials — paper, glass, rubber, etc. — but has had no success in finding outlets that can use these items.

"We're too far from major metropolitan centers where there are facilities which use waste paper, for instance," Bob says. "We aren't interested in making a profit from the stuff but just want to recover some of our handling costs. It does cost us money now to remove and bury it in the sanitary fills on the Base."

Bob says the committee is interested in  
(Continued on Page 10)

# Afterthoughts

"Help Wanted ... This group is greatly in need of bearded employees... Subjects with long, wide, and heavy sideburns are also desired." This item in the LASL Bulletin caught my eye and, inclining somewhat to the hirsute, I thought "Ah--here's new hope for the hairy." But it turns out that they don't want these types just because of their greater wit, charm, and energy. It's a little more prosaic--they're checking out respirators.

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Touche--"1971 was the year that we environmentalists finally solved the air pollution problem--we pasted ecology stickers on our automobiles. In July, a new neighbor moved in across from me. He had a passenger car, a pickup, a camper, a boat and a Honda. Said he left LA to get away from the pollution." Jack Kutz, New Mexico Mt. Club, Conservation News

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Score One/WE Magazine--"A woman who had just given birth to triplets was explaining to a friend that triplets happened only once in 15,000 times. 'My goodness!' said her friend, 'how did you find time to do your housework?'"

\*\*\*

If They're Primitive, What Does That Make Us?--A film review entitled "Primitive People Seen in AEC Film" discusses the Yanomama Indians, an isolated tribe living in the jungles of Venezuela and Brazil. Turns out these primitive people don't make warfare, are in nice ecological tune with their environment, and could care less about the outside world embracing their politics, religion, and life style. Maybe "Being A Primitive" would be a desirable course offering at our schools...

\*\*\*

Male Chauvinists, Take Heed--"If I were asked... to what the singular prosperity and growing strength of that people (the Americans) ought mainly to be attributed, I should reply: To the superiority of their women." Alexis De Tocqueville, Democracy in America, (1840) •js

## Congratulations

Mr. and Mrs. L. Roger Edwards (5132), a son Anthony, Jan. 13.

Mr. and Mrs. Larry O'Connell (1812), twin boys, Dennis Eugene and Brian William, Dec. 20.

Mr. and Mrs. Dwight Allensworth (5133), a daughter, Brooke Marie, Feb. 4.

Mr. and Mrs. Mike O'Bryant (7651), a daughter, Kelly Ann, Feb. 8.

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Writers

## President Nixon's China Visit TV Coverage Sponsored by WE

Western Electric will help sponsor telecasts on CBS (KGGM, Channel 13) of President Nixon's visit to China from February 20-28. In addition, two one-hour specials will be broadcast on Sunday, Feb. 20, preceding the President's arrival in Peking.

"Misunderstanding China," the first program, will be a look at American images, ideas, and attitudes toward the Chinese as well as their view of us. Its emphasis is cultural and historical, rather than political. Film to be used comes from many sources and some date to 1903. The second program, "Preview of Nixon's China Visit," will cover the President's itinerary and give details about the people, places, and events of the trip.

Live broadcasts begin Sunday night with the President's arrival at Peking and continue throughout the visit, covering these events: first meeting with Chou En-Lai, Nixon/Chou banquet, cultural show, gymnastics exhibition, Mrs. Nixon at a Commune, and visits to the Great Wall and the Forbidden City.

Among China-bound CBS correspondents will be Walter Cronkite, who will be the commentator for the programs. Because the time schedule is subject to change for technical and other reasons, check newspapers for local broadcast times.

## Supervisory Appointments

RUTH WHAN to supervisor of Materials Analysis Division II 5522, effective Feb. 16.

Joining Sandia in June 1962 as a staff member, Ruth worked five years in the field of radiation effects in semiconductors. She was then assigned to an analytical group studying materials characterizations and ion implantation and did further work involving radiation effects.

Ruth earned her BS degree in chemistry from Allegheny College (Pa.), her Masters and PhD in physical chemistry from Carnegie Institute of Technology and UNM, respectively.

Ruth and her husband Glenn, a professor at UNM, have three children and live at 925 Truman NE.



JIM POWELL to supervisor of Laser Plasma Physics Division 5213, effective Feb. 1.

Since joining the Labs in August 1969 as a staff member in Radiation Source Diagnostics group, Jim's work has been in the areas of fast neutron spectroscopy, real-time computer systems, electron transport, and radiation detection systems. He was with Argonne National Laboratories for four years before coming to Sandia.

Jim earned a BS in physics and mathematics from Texas Christian University and his MS and PhD in nuclear engineering from Texas A&M. He is a member of the American Nuclear Society.

Jim, his wife Carolyn and their three children live at 2605 Hagland Place NE.



CARL PETERSON to supervisor of Experimental Aerodynamics Division 5645, effective Feb. 1.

He joined the Laboratories in September 1969 as a staff member in the Aerodynamics Research Department and his work since has been in fluid mechanics research.

Carl earned his Bachelor's, Master's, and PhD degrees in aeronautical engineering from Princeton University. He is a member of the American Institute of Aeronautics and Astronautics.

Carl and his wife Caryl reside at 3112 Toreador Drive NE.



## Promotions

Irene Canfield (8331) to Secretarial Steno  
Ray Larribas (3148) to Mail Clerk  
Paul Metoyer (3148) to Mail Clerk  
John Murphy (3148) to Mail Clerk  
Celso Sanchez (4511) to Technician

## Retiring



Doris Ward (8275)

## Authors

Lutz Dahlke (8137) and Prof. M. Robkin (Nuclear Engineering Department, University of Washington), "Development of a Method of Neutron Radiography of Mixed Oxide Fuels Using Radiographic Analogs," December 1971 issue NUCLEAR TECHNOLOGY.

## Speakers

Jack Dini and Rudy Johnson (both 8312), "Joining Aluminum to Stainless Steel by Electroplating," Symposium on Properties on Electrodeposited Metals and Alloys, Battelle Memorial Institute, Columbus, Ohio.

## Congratulations

Mr. and Mrs. John Brooks (8312), twins, Joshua and Jessica, Jan. 1.



"SECURITY IS" CONTEST—Mike Rogers (8137), left, submitted the winning caption for November, "Security is Having More Than One Safeguard," and Charlie Drummond (8432) won for December, "Security is Being Your Brother's Keeper . . . Just in Case He Slips."

# LIVERMORE NEWS

VOL. 24, NO. 4

LIVERMORE LABORATORIES

FEBRUARY 18, 1972



ON THE TRACK AT ROAD ATLANTA, Marshall Meyer takes first place in his class at the annual Sports Car Club of America Road Race of Champions. He was recently presented the Motor Sports Press Association's Road Racer-of-the-Year Award for 1971.

## Marshall Meyer — National Sports Car Racing Champ

The recipient of many motor racing honors in California over the past five years, Marshall Meyer (8314) is now a national champion having recently copped the Motor Sports Press Association's Road Racer-of-the-Year Award.

Not only is he the first local driver to receive national recognition, but he is also the first person from the San Francisco Region of the Sports Car Club of America to be so honored.

Marshall, who became seriously interested in cars only after joining Sandia in '65, has been racing a '66 Triumph Spitfire on the amateur SCCA circuit. This year, he finished first in the Northwest Pacific Divisional Championship for Class G Production sports cars. He then towed his Spitfire from Livermore to Atlanta, Ga., for the annual SCCA American Road Race of Champions where he "showed the way home" to the best in his class from across the country.

Right at the outset of the Atlanta race, Marshall jumped into the lead from his front row qualifying spot and from then on it was a matter of how big his lead would be after each lap. One reporter commented that he showed so much steam he made the rest of the field look as if they were towing anchors.

Drivers win their invitations to the race by proving they are the best in their class in their particular SCCA division. To do this, they must successfully compete in 6 to 12 national races held in each division and finish high enough to have sufficient points to be one of

the top three at the end of the season.

"Being a national champion feels great, especially since I've tried for three straight years!" comments Marshall. "Last year at Atlanta was a big disappointment because I blew my engine and didn't even get to start. A freeze during the night loosened up a freeze plug — somehow the anti-freeze hadn't mixed correctly with the water. As a result, the next day before I realized what was happening, the engine overheated. My winning this year sort of made up for that."

A PhD in materials science from the University of Illinois, Marshall feels that his academic training is somewhat of an asset in racing. "Perhaps my metallurgy background is helpful in evaluating what parts to use when modifying the car or in selecting components when there may be various kinds, for instance, pistons. Some knowledge of metallurgy also helps in diagnosing the trouble and making repairs when something breaks or goes wrong — fatigue cracks are a good example.

"I'd like to stay with racing, but in a faster class," he continues. "There's nothing like the excitement and thrill of racing — but still, it's an expensive and time-consuming sport. I do my own repairs and engine building and during the season spend up to 30 hours with the car each week. In addition, my wife Janette, my only pit crew, spends a good deal of time helping me drive to and from each race and taking lap times at the races." • Is

# Credit Union Reporter

By George Wayland (3243),  
Credit Committee Chairman

## About The Credit Committee

Ask a member what the Credit Committee does and he's likely to respond quizzically "the *what* committee?" Most members do not realize that the Federal Credit Union Act and Credit Union Bylaws stipulate what types of loans may be approved, for what purpose a loan may be used, what collateral must be deposited, and what length of time must be specified for repayment. A Credit Committee is one of the instruments specified by the Federal Act to insure compliance with federal law relating to Federal Credit Unions.

It is the Credit Committee, acting as a Committee or acting through Loan Officers to whom it has granted specific responsibility and authority, which approves every loan and the terms.

It was Ben Franklin who said, "the wise use of money is all the value there is in having it." The role of a Credit Union is to provide loans that will be helpful to members. No Credit Union survives if it seeks only to increase the rate of return on deposits. No Credit Union survives if it permits its members to plunge themselves hopelessly into debt. No Credit Union survives if not controlled by the principle that all loans must be for "provident and productive purposes." No Credit Union survives if it fails to counsel members to utilize credit to improve their financial situations. And finally, no Credit Union survives if it does not protect the trust of those who have given their earnings to its



care. At the same time, it must provide for those who have a need for quick, easy and economical financing.

Our Credit Committee is composed of three members elected by the membership. We meet daily to (1) approve loans made by the Credit Union Loan Officers, (2) to pass on any loan which the Loan Officer is not authorized to approve, and (3) to consider all loans which may be outside the "provident and productive" guidelines. Only the Credit Committee has authority to disapprove a loan, and we never reject a loan without giving the applicant the opportunity to have such action explained to him by the Credit Committee. The Credit Committee also feels that a member deserves to be advised should a particular loan be dangerous for him. On such occasions, the Committee reviews the reasons for its decisions and considers the member's arguments. If the arguments are sound, the Committee may grant the loan which it at first felt was not "provident and productive."

## Take Note

The Chaparral Home and Adoption Services (in Albuquerque) is seeking married couples who could provide a loving and secure adoptive home to infants of Negro or part Negro descent. The agency will be pleased to receive communication from interested families who are of the usual child-bearing age and who are willing to share their home with a part or all Black child.

\* \* \* \*

Robert Lefever, supervisor of Materials Division 5154, was recently elected to a six-year term on the executive committee of the American Association for Crystal Growth. Organized in 1971, AACG serves the technical and professional interests of people involved in crystal growth and sponsors an annual conference. The meeting this year is scheduled July 30-Aug. 3 at Princeton, N.J.

\* \* \* \*

The Albuquerque Philatelic Society is holding its first auction of the year on Feb. 24 in Lovelace Foundation's third floor lecture hall. Approximately 100 lots will be on view at 7 p.m. The auction will start at 7:30 p.m. and all stamp collectors are invited. Jim McCutcheon (1333), Society vice president, says special consideration will be given to younger collectors and reports that a wide range of material, especially suitable for the less experienced collector, will be available.

\* \* \* \*

Dorcas Gabaldon (7123-1) is secretary of the newly formed Albuquerque branch of the American Electroplaters Society. Persons interested are invited to attend the first meeting, March 8 (for time and place call Dorcas on ext. 3474).

## Sympathy

To Fran Vogel (4552) for the death of his mother in New York Jan. 1.

To Hal Baxter (4542) for the death of his daughter in Albuquerque Jan. 13.

To Mary Jo McClellan (1831) on the death of her husband, Jan. 6, in Cherry Hills, N.J.

To Isaias Gutierrez, Jr. (4514) on the death of his brother, Jan. 19, in Albuquerque.

To Jack Smith (1914) on the death of his mother, Jan. 22, in Albuquerque.

To Allan Beck (1731) on the death of his father, Jan. 13, in Escanaba, Mich.

To Lois Edwards (7631-1) on the death of her son in Albuquerque.

To Wayman (4513) and Theresa Phelps (4152) on the death of his father in Kerbyville, Texas, Jan. 31.

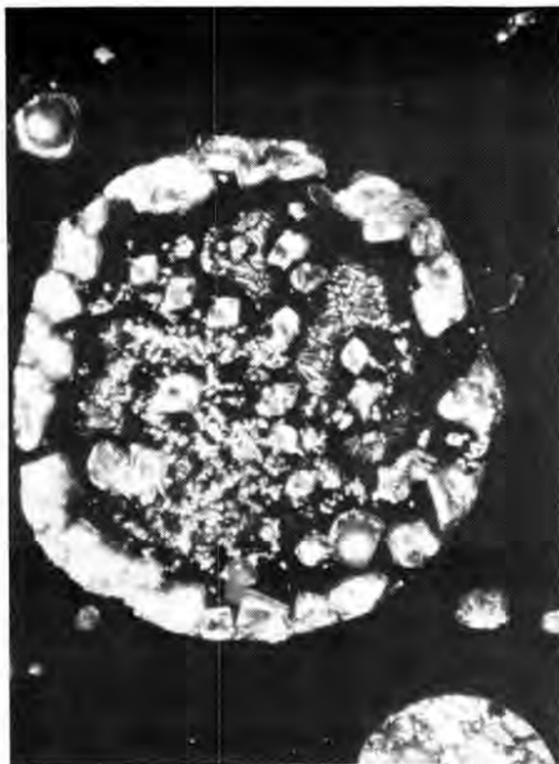
To Kenneth Shinn (4337) on the death of his father in Pamona, Calif., Feb. 9.

To Cecil Jordan (3512) for the death of his father Feb. 8 in Albuquerque.

To Mr. and Mrs. M.D. Olman (1222) on the death of their son.



BOB HENDERSON (1225), left, and Lee Davison (5131) examine an explosive line-wave generator in preparation for the 12th Annual Symposium — "Behavior and Utilization of Explosives in Engineering Design" — sponsored by N.M. Section of ASME and UNM College of Engineering. Bob is general chairman and Lee is program chairman of the symposium being held March 2-3 at UNM. The program includes speakers from across the country, as well as from LASL and Sandia. Explosive phenomena will be discussed, and the final session will deal with biomechanical principles applied to clinical medicine, continuing the interaction between local physicians and mechanical engineers instituted last year.



Continued From Page One

## Why Dust Sticks: High Humidity

The major effect of humidity on particle retention occurs within one hour at relative humidity levels between 33 and 100 percent. At the higher levels, particles become firmly attached in a few minutes.

Breakup of particles occurs at all humidity levels, but more rapidly at higher levels. Breakup leaves large numbers of small particles which are much more difficult to remove than the original large particle.

The study indicates that spacecraft and other critical surfaces should not be exposed — even for short periods of time — to environments with relative humidity above approximately 50 percent. Dry wipes, vacuum cleaning and other cleaning methods would be ineffective in removing particles exposed to such environments.

The study involved placing slides containing a highly-polished metal foil strip (similar to the metallic mylar used on planetary landers) in a loading chamber with a blower. Dust particles were released into the chamber and the slides were then removed and placed in a humidity control chamber. After

*CHARACTERISTIC BREAKUP of individual dust particles into large numbers of small particles by the absorption of moisture is here illustrated. Each circular cluster of small particles was originally an individual dust particle. Particles breakup at all humidity levels, but more rapidly at the higher levels. Following breakup, the small ones are more difficult to remove than the original large particle.*

removal from the chamber, each slide was photographed, then exposed to a "blowoff" treatment and re-photographed.

The tests were conducted by Willis Whitfield, supervisor of this division, and Tom David of the University of New Mexico.

## Law & Order & A Computer

### VASCAR Will Get You If You Speed on KAFB

As the shadow of a telephone pole fell upon an approaching car, the officer pressed a button on a small device mounted on the dash of the patrol car. As the car's front tires crossed a white crossing line, the officer hit the button again. By this time our own wheels had crossed the white line and a different button was pressed. The patrol car continued on down the street and when we were even with the telephone pole, the officer touched the second button again. Immediately the figure "30.7" was flashed on the screen of the little device.

"Speeding," the officer said. "Lucky for him that this is just a demonstration."

The LAB NEWS had just witnessed operation of VASCAR (for Visual Average Speed Computer and Recorder) which can get you coming, going or sideways. It's scary. From now on, don't be in a hurry on the Base.

With this little device, military security police do not have to follow a car to clock its speed. The device is not a radar or radio in any form. It is simply a computer which calculates distance vs. time and displays average mph on the screen. It is controlled by the operator pressing the button as the suspected speeder traverses two points of reference. The patrol car then has to travel the same course or else have traveled and recorded it earlier.

VASCAR is simple to operate. Even slow reflexes on the part of the operator produce negligible error.

According to base security officers, 35,000 to 38,000 vehicles operate on KAFB. Some 12

### Engineers Week Coming Up—Bob Kraay Will Speak at Luncheon

National Engineer's Week for 1972 will run from Feb. 20 to 26 (next week). Highlights this year are a luncheon on Feb. 23 and an open house at UNM on Feb. 25.

Guest speaker at the luncheon will be Sandia's Executive Vice President Bob Kraay. His subject: "An Engineer Looks at National Problems and Priorities." The luncheon will be held at the Hilton, University and Menaul NE at noontime. Tickets are \$3.50 and they may be obtained from these Sandians: Roger Chaffin (Bldg. 672), Chris Dalton (Bldg. 836), Bob DeVore (Bldg. 836), Don Holck (Bldg. 802), and Frank Muller (Bldg. 892). Advance tickets are recommended.

## Recreation Notes

### FUN & GAMES

The Sandia Employee's Golf Association will open its 1972 season with a pre-season tournament on Feb. 21. The second scheduled tournament will be held March 18 at the Sunport.

Participation in SEGA requires only the \$3 membership payment (retired employees receive free membership) and an established handicap. Tournament and evening or weekend leagues require SEGA membership and you pay your own green fees. For more information contact Dwayne Branscombe (1821), SEGA vice president, on ext. 5403.

## Death

Skip Baca, a technical photographer in Photographic Services Division 7545, died suddenly Feb. 3. He was 55.

He had worked at Sandia since February 1948.

Survivors include his widow, two sons and two daughters.

Checks to the Esquipulo A. Baca Student Aid Fund may be sent to that fund at UNM, or to Mrs. E.A. Baca at 8502 Aztec NE, Albuquerque. The fund, established in preference to other forms of memorial, will be disbursed in small amounts to students in emergency situations.



serious accidents are reported each month. A serious accident ranges from a fender bender of more than \$50 damage to accidents with injuries. Speed is a factor in one way or another in 99 percent of the accidents.

Four VASCAR equipped patrol cars will be operating on KAFB starting about March 1. 'Nuff said. •dg



Win Watson - 9221

15



Jackie Sparger - 8164

10

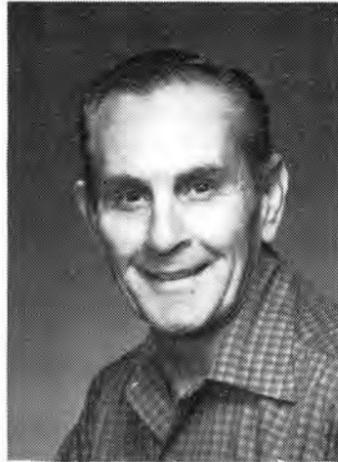
# MILEPOSTS

LAB NEWS February 1972.



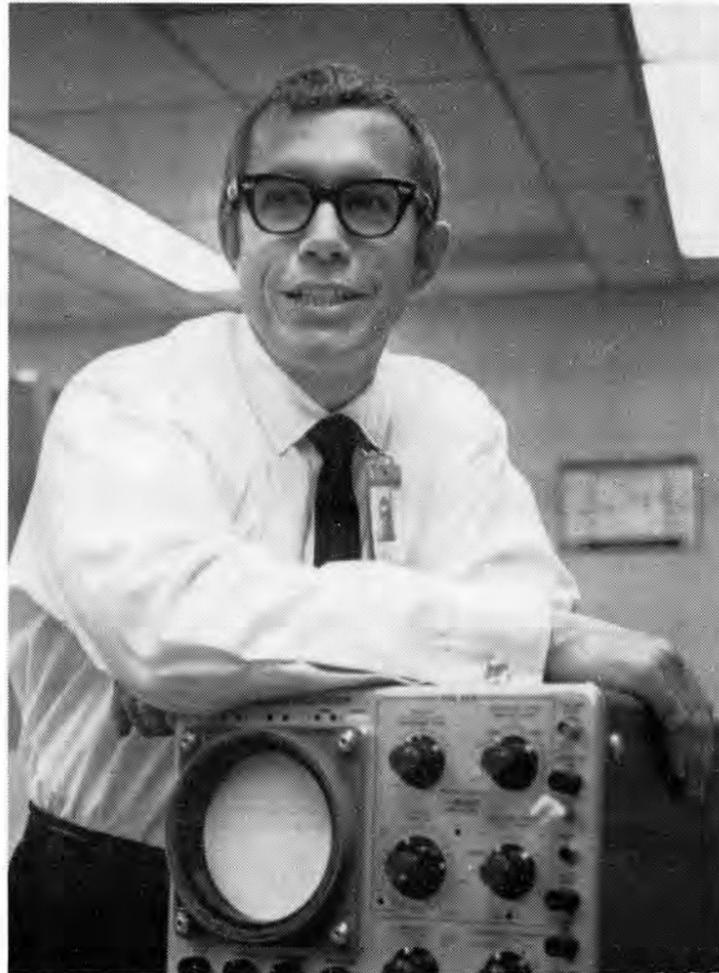
Wes Estill - 8311

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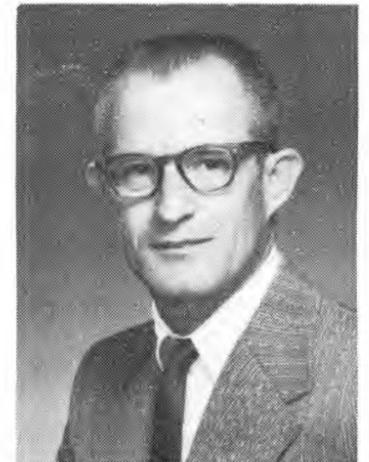
Leonard Glover - 4513

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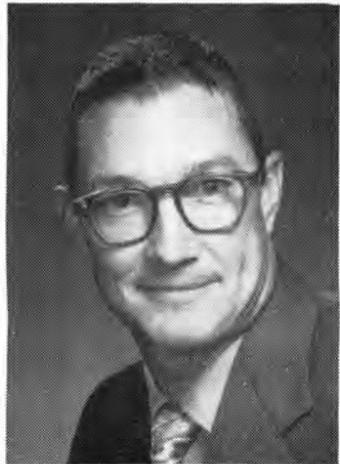
Bill Stanton - 9222

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Frank Conrad - 5521

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Lyle Davis - 1933

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Dale Irving - 8411

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Bernice Beison - 3321

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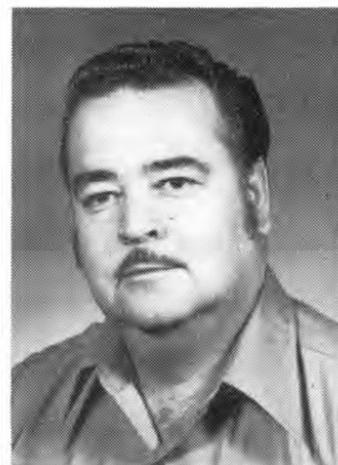
George Duke - 1517

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Tom Fox - 5427

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Joaquin Chavez - 4512

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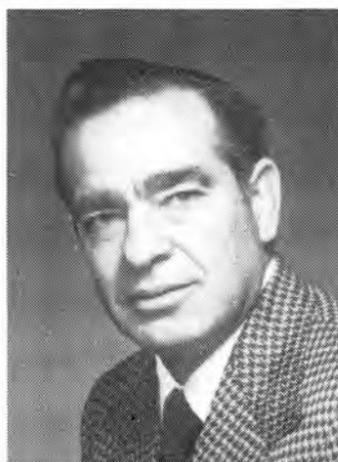
Roy Carlson - 1822

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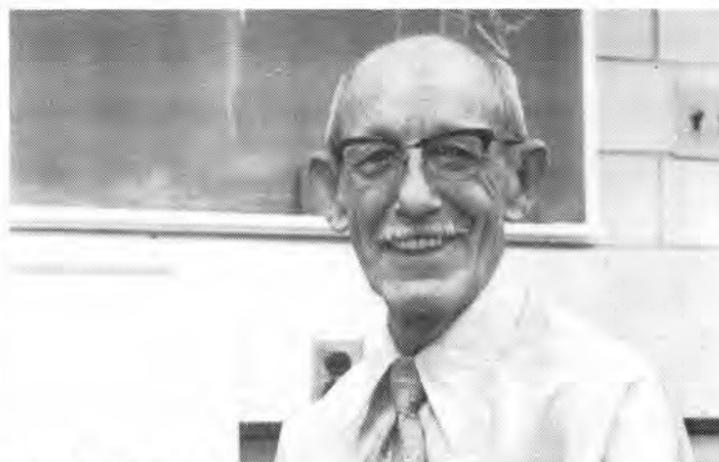
Dora Bowers - 8256

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Richard Davis - 1523

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Ralph Niebel - 7651

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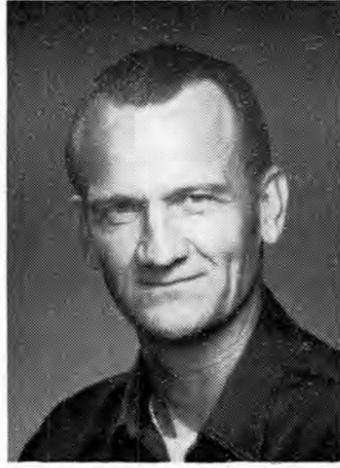


William Brooks - 9323

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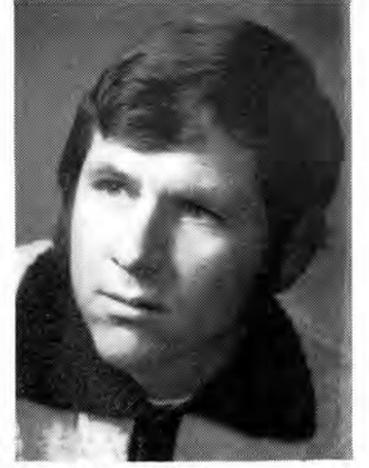
George Perkins — 8213 15



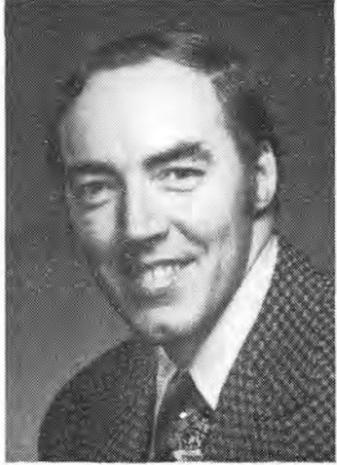
Vernon Smith — 7542 15



Jean Shaffer — 1310 15



Ron Allen — 8256 10



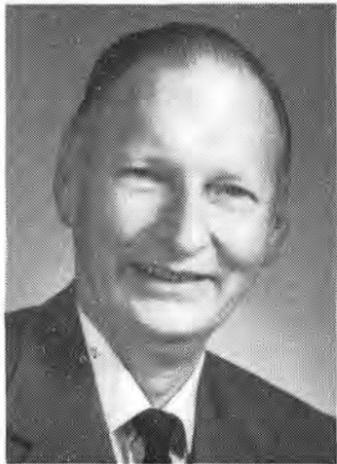
Lawrence O'Connell — 1812 15



Ray Garcia — 7542 15



Joan Maffey — 8261 10



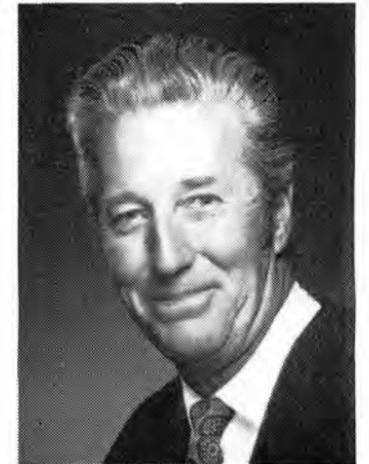
Chandler Smith — 8264 15



Jim Ruttle — 9482 20



Betty Osborne — 3256 10



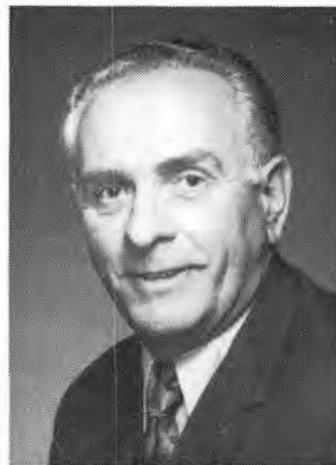
Lane Peterson — 7422 20



Lillian Hayes — 3231 10



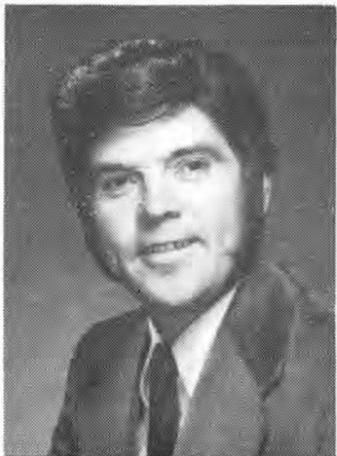
Preme Ulibarri — 9343 20



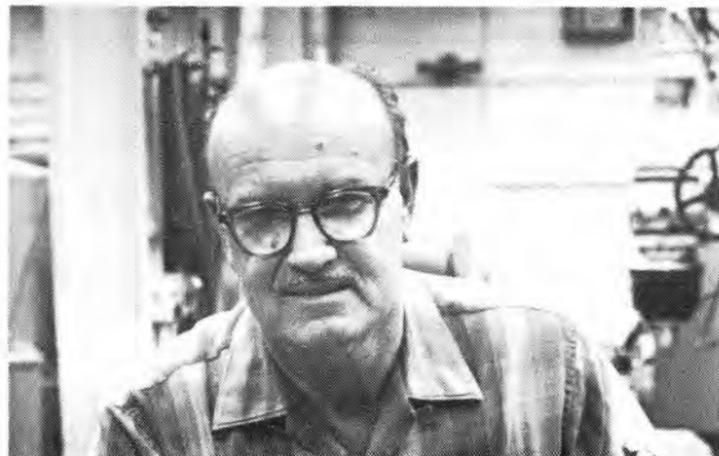
Roxley Kent — 1823 20



Paul Beeson — 5514 10



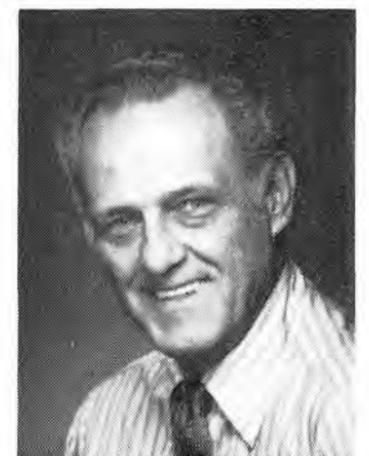
Fred Bauer — 9343 20



E. H. Baber — 7141 20



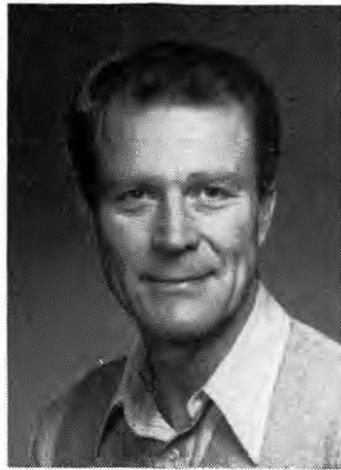
Antuna Romero — 7510 20



Quirin Simon — 7654 20



Jack Reynolds - 4372 20



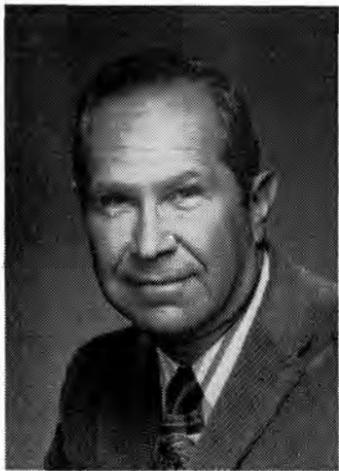
Thomas Reinhardt - 1912 20



David Berry - 1425 20



John Risse - 1553 15



Donald Scranton - 1823 15



Jim Kelly - 3112 20



Florence Smythe - 7133 20



William Seaburn - 7143 15



Gordon Troyer - 7616 15



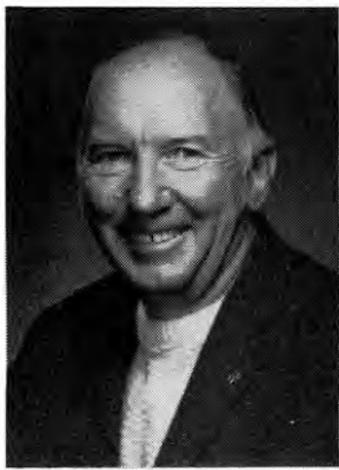
George Thorne - 3231 20



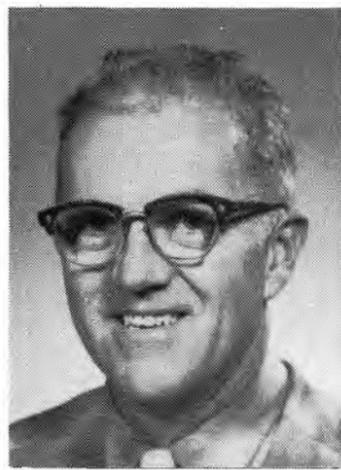
Ed Hirt - 7632 20



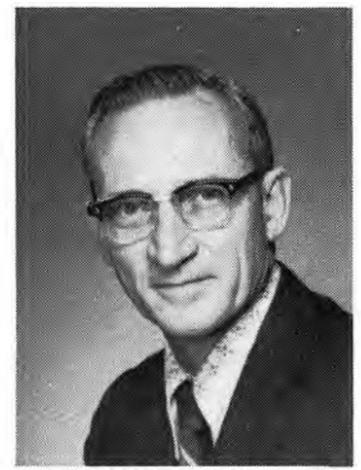
Lamar Treadwell - 1523 20



Charles Taft - 9243 20



Roy Williams - 1221 20



Robert Wehrle - 1912 20



Virgil Bailey - 1814 20



Ormand Williams - 7152 20



C. Wolfenbarger - 7431 15



William Moore - 9471 20



From Nine-Year-Olds to Grandmothers

## Go-Karting Provides Thrills, Family Fun

"When you're sitting less than two inches off the track and the kart is hitting around 100 mph, you feel speed — the most tremendous feeling of speed there is," says Hervey Hawk (9214), president of the Albuquerque Kart Club.

Since becoming active in go-karting two years ago, Hervey has become a missionary for the sport. "It's a family affair all the way," he says. "We have all ages participating — from nine-year-olds to grandmothers."

Next race day for the group is Sunday, Feb. 20. Admission to the track (located on West Central about a mile and a half west of Coors Blvd.) is free and the public is invited. The action starts about 1 p.m. Starting next month, races will be held on the first and third Sunday through the summer.

Nowadays a go-kart is a professional racing machine — from the tiny rookie sprint karts driven by the 9 to 12 age group to the larger enduro machines which are for adults

only. Weighing about 300 pounds, these machines can hit up to 170 mph.

Pete Palmer (5213) cheers for his nine-year-old son Chris who started driving last summer and tied the track record in the rookie class. "It's great for Chris," Pete says. "He spends some time during the week working on the kart (and he can do everything but the heavy stuff) and practices at the track on Saturday and Sunday mornings. Driving gives him confidence beyond his years, and it spills over into other things — school work and cello playing, for instance."

Hervey agrees. He spends many hours in the garage with his 15-year-old son Robert working on their three karts — two sprints and an enduro. Robert is a junior champion and is tied for the track record in his class.

"What we like about the sport," Hervey says, "from a parent's standpoint is the complete safety awareness of all participants. You are not allowed to race a defective machine. There are rules and regulations and tough technical inspections. It is safer for kids, we say, than riding a motorcycle on the city's streets."

And great fun for Dad too. Hervey has won a few trophies as a racer. He invites anyone interested in joining the club to give him a call, tel. 298-4348. • dg



UCF SILVER AWARDS (for 90% participation and 75% Fair Share giving) were presented to 51 Sandia organizations recently by President John Hornbeck. Dave Kendall (1813), right, accepts the award for organization 1800, the only Sandia directorate to achieve 100% participation and 90% Fair Share. Three departments — 3110, 3160 and 3240 — participated 100% at the Fair Share level. Total pledged by Sandia employees to the Employees Contribution Plan for 1972 was \$356,993.

## Seven Three-Day Weekends This Year

Sandians enjoy nine paid holidays each year. In 1972 seven of these holidays fall either on Monday or Friday, giving us a nice bundle of three-day holidays.

These are holidays we observe:

Washington's Birthday Feb. 21 (Monday)

Good Friday March 31

Memorial Day May 29 (Monday)

Independence Day July 4 (Tuesday)

Labor Day Sept. 4 (Monday)

Veterans Day Oct. 23 (Monday)

Thanksgiving Nov. 23 (Thursday)

Christmas Dec. 25 (Monday)

New Years Day Jan. 1, 1973, (Monday)

## Nick DeLollis Named U.S. Member of Int'l Standards Group

The International Standards Organization (ISO) has appointed Nick DeLollis of Surface Physics and Chemistry Division 5332 to a four-year-term as United States Delegate on Adhesives.

The ISO, with headquarters in Geneva, Switzerland, standardizes test methods and specifications from member countries and writes uniform international standards. The organization has added adhesives as a new field under the Technical Committee on Plastics. Nick will serve as leader of the adhesives secretariat and will attend the first international meeting of this group in Germany in the fall.

Nick is a member of the American Society for Testing Materials and the Society for Aerospace Materials and Process Engineers. He is chairman of the Metrication Committee of SAMPE. He has been with Sandia Labs for 16 years.

Continued from Page One

## RECYCLING

suggestions. As a matter of fact, he has about 25 lbs. of paper covered with suggestions. "We consider each one," he says, "and most of them are fine ideas — just not practical in our location or situation. We keep working on them, however."

Other members of the committee are Andy Blaine (4622), John Westbrook (5411), W.D. Parsons (4117), Tom Eglinton (4543), Russell Leahy (4622) and Bill Jamieson (8235) at Livermore Laboratories. • dg

## Events Calendar

**Feb. 18-20** — "A Midsummer Night's Dream," Old Town Studio, for reservations, 242-4602 after 7.

**Feb. 19** — N.M. Mt. Club, Tree Trail to Sandia Crest, Western Skies, 8:30 a.m.

**Feb. 20-27** — The Potts Puppets in "The Hedgehog & The Hare," and "The Fisherman & His Wife," Old Town Studio, 2 p.m.

**Feb. 21** — Osipov Balalaika Orchestra from Moscow, with stars of Bolshoi Ballet and Opera, 8:15 p.m., Popejoy Hall.

**Feb. 22** — Audubon Wildlife Film Series, "Mule Deer Country — Montana and the Rockies," 7:30 p.m. Popejoy Hall.

**Feb. 23** — Buffalo Dances, San Ildefonso Pueblo.

**Feb. 23** — ASUNM Lecture Series, Robin Morgan, revolutionary feminist, editor of "Sisterhood is Powerful," Popejoy Hall.

**Feb. 24** — Julliard String Quartet, sponsored by the June Music Festival, 8:15 p.m., Albuquerque Little Theatre.

**Feb. 26** — Ski Touring, beginning tour, Sandias, Western Skies, 9 a.m.

**Feb. 27** — N.M. Mt. Club, "eradicating graffiti and other painted abominations from sand stone cliff on US66 west of Albuquerque. Bring a wire brush . . ." State Police lot at Carlisle and Menaul, 9 a.m.

**March 1** — Vienna Opera Company in "Die Fledermaus," Popejoy Hall.

**March 2-5** — Rodey Season presents "Major Barbara," drama by George Bernard Shaw, Keller Hall, 8:15 p.m., for reservations 277-4402 or 277-4522.

## Speakers

K.W. Schuler (5163), "Observation and Analysis of Nonlinear Viscoelastic Wave Propagation," Drexel University, Philadelphia, Pa., Dec. 3, and University of Dayton Research Institute, Dec. 6.

R.A. Graham (5132), "Strain Dependence of the Longitudinal Piezoelectric, Elastic and Dielectric Constants of X-Cut Quartz as Determined by Shock Compression Techniques," Ultrasonic Symposium, Dec. 6-8, Miami.

M.D. Olman and R.B. Worrell (both 1652), "A Fault Tree Representation Designed for Computer Analysis," Conference on Applications of Simulation, Dec. 8-10.

J.M. Hueter (3134), "Creativity - Choice or Chance," Southwest Indian Polytechnic Institute, Dec. 8, Albuquerque.

R.E. Whan (5522), "Survey of Sandia Posttest Materials Analyses," Materials Science Colloquium, Nov. 30, KAFB, N.M.

J.M. Worrell, Jr. (1721), "Characterizations of Cech Complete Developable Spaces," Mathematics Colloquium, Ohio University, Dec. 3, Athens, Ohio.

R.E. Luna (5644), "Global Transport of Atmospheric Contaminants," Mechanical Engineering Department, NMSU, Dec. 9, Las Cruces.

L.W. Davison (5131) and J.N. Johnson (5133), "Elastoplastic Wave Propagation and Spallation in Beryllium; A Review," DNA Beryllium Program Review Meeting, Stanford Research Institute, Dec. 16, Menlo Park, Calif.

A. Goodman (1224), "The Periodic Chart of the Atoms - All God's Creation," Heights Optimists Club, Dec. 1, Albuquerque.

L.M. Melick (1421) and J.A. Cooper (1426), "A Radar Map-Matching Technique Using Ground-Undulation Frequencies," Hawaii International Conference on System Sciences, Jan. 11-13, Honolulu.

I. Auerbach (5628) and F.P. Kirkhart (BMI), "High Temperature Ablation Performance of Binderless Graphites," American Ceramic Society Pacific Regional Coast Meeting, Nov. 1-3, Anaheim, Calif.

P.M. Richards (5152), "Spin Dynamics and Magnetic Resonance in One-Dimensional Systems," Midwinter Solid State Research Conference, Jan. 17-21, Newport Beach, Calif.

J.R. Adams (1433), "Beam Lead Testing," ASTM Committee F1 Section 7.5 Meeting, Jan. 11, New Orleans, La.

A.L. Roark (1741) and R.D. Campbell (UNM), "Evaluation and Redesign of Complex Man-Environment Systems," Environmental Design Research Association Conference, Jan. 24-27, UCLA.

C.J. MacCallum (5231), "Compton Conductivity in Solids"; C.W. Mendel (5213) and T.P. Wright (5231), "Minimum Resistivity Required to Produce Transverse Shock Structure"; J.E. Schirber (5150), "Effect of Pressure on the Fermi Surfaces of AuAl<sub>2</sub>, AuGa<sub>2</sub>, and AuIn<sub>2</sub>"; F.C. Perry (5325), "Electron Beam Induced Stress Waves in Distended Gold"; E.L. Burgess and R.D. Nasby (both 5335), "Precipitation of Dopants in Silicon Germanium Thermoelectric Alloys"; W.A. Stark, Jr. (5335), "Helium Solubility and Migration in CaF<sub>2</sub>"; N.S. Gillis (5151), "Mass Transition in a Model Anharmonic Oscillator"; D.K. Brice (5111), "An Analytic Formula for Electronic Stopping Cross Sections"; H.J. Stein (5111), "New Absorption Bands in Ion-Bombarded Ge"; R.A. Graham (5134), "Strain Dependence of the Longitudinal Piezoelectric Stress Constants of X-cut Quartz"; L.P. Bradley (5245), "Generation and Propagation of Relativistic Sheet Beams"; and P.S. Percy (5152), "Pressure Dependence of the Raman Spectra of RbH<sub>2</sub>PO<sub>4</sub>," American Physical Society Meeting, Jan. 31-Feb. 3, San Francisco.

W.J. Patterson (5627), "Penetration of In-Situ Rock By Air Deliverable Penetrators"; P.R. Wilkes (5627), "Marine Sediment Penetrometer Development at Sandia Laboratories"; E.W. Reece (9237) and R.E. Smith (5627), "A Study of Projectile Penetration of Frozen Soil"; C.W. Young (5627), "Empirical Equations for Predicting the Performance of an Earth Penetrating Projectile"; L.V. Feltz (5623), "Structural Design of Very High Velocity Penetrators"; G.L. Nelson (9481), "A Method of Automating Data Analysis and Presentation for Ice Penetrators"; and W.R. Wood (9481), "Instrumentation of Penetration Projectiles Using Hard Wire and R.F. Data Transmission," Conference on Rapid Penetration of Terrestrial Materials, Feb. 1-3, Texas A&M University.

H.W. Church and R.E. Luna (both 5644), "Estimation of Long-Term Concentrations using a 'Universal' Wind Speed Distribution," 52nd Annual Meeting of the American Meteorological Society, Jan. 11, New Orleans.

## Retiring



Ruth Barrett (7415)



Roy Carlson (1822)



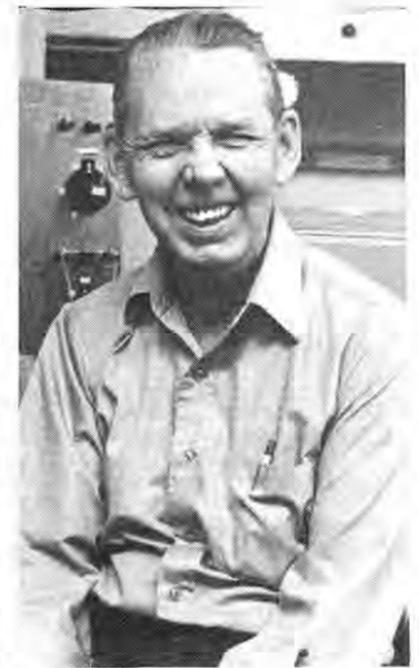
Kenneth McNabb (4514)



Daniel Davis (7141)



George McClure (4512)



Alfred Holmes (7452)

## Group Climbs Tallest Two Mountains In Mexico During Six Day Vacation

Orizaba is the tallest mountain in Mexico, rising 18,854 feet above the central plateau. Popocatepetl, at 17,600 feet, is a pretty good beast also. Six men from Albuquerque, including Sandians Ron Malpass (9239), Tim Gill (9334) and Gus Simmons (1721), climbed both peaks during a six-day sojourn in Mexico last month.

Popocatepetl was first. After driving to El Paso, they took the bus to Mexico City, rented a car and drove to the climber's hut on the slope of the mountain some 40 miles away. The hut was at 13,900 feet. After spending the night, they moved out early the next morning.

"The climb was not technically difficult," Ron says, "but it was long hard work. We came down the same day, spent the night at the hut, and drove to Puebla where we rested for two days. We needed it."

Orizaba was a more difficult climb. Ropes were needed to cross crevasses, and the men roped together for the descent. Here again, the party spent the night bivouacked on the slope at 14,800 feet and made the peak around noon of the second day. They made the descent the same day — a long one, some 14 hours of hard scrambling downhill.

There was a lot of snow on both mountains, Ron reports, but the weather was bright and clear the whole week. "It was



ON TOP OF OL' ORIZABA, tallest mountain in Mexico, (18,854 ft.) group of climbers display victory flag. From left are Gus Simmons (1721), Dennis Mewshaw, Ron Malpass (9239), Jim Lawrence and Tim Gill (9334). The men also climbed Popocatepetl during six-day sojourn in Mexico.

really great for climbing," he says, "and we were lucky. A storm moved into the area on the day we left."

The return to El Paso was a 24-hour ride on a Mexican bus. "We were so tired, we didn't care," Ron says. • dg

## Bill Atkins Named To State Board

Bill Atkins (1614) has been appointed by Gov. King to the State Environmental Improvement Board. The appointment fills an unexpired five-year term. The Board was formed last June to develop environmental improvement programs and to establish regulations for pollution control.

Bill is a member of New Mexico Citizens for Clean Air and Water, the Conservation Coordinating Council, Zero Population Growth, the Albuquerque Public School Needs Committee, and the Parent's Advisory Council of APS. He is an instructor field engineer in Weapon Training Division 1614, and has been at Sandia for 19 years.

Remember...file early...for a fast refund



## Bob Austin Promoting Concert Mar. 1 By Manzano High School Band

Bob Austin (3112) worries about the Manzano High School Band.

He's president of the Band Boosters Club and right now he's worried about the \$2200 overhead on a forthcoming concert featuring the band plus Clark Terry, noted trumpet player with the NBC Tonight Show orchestra. Terry will perform during the concert and conduct a two-day clinic here for young musicians from throughout the state.

"Purpose of the Boosters Club," Bob says, "is to help the youngsters in those areas where adults are needed — signing contracts, renting the concert hall, and printing programs. We ask what they want to do and then help them do it."

The concert is scheduled for Wednesday, Mar. 1, at 8:15 p.m. in the Civic Auditorium.

"The kids are knocking themselves out for this one," Bob says. "They will work with one of the greats in modern music. They will be playing selections that stretch their musicianship. It will be a great experience for them."

Tickets are \$2 and are available from Bob Farley's Music Center, the Music Mart and Reidlings Downtown. Profits (if any) from



BOB AUSTIN (3112), president of the Manzano Band Boosters Club, talks with daughter Carol during band rehearsal.

the concert will help defray expenses when the band travels to Amarillo in April to compete in the Greater Southwest Music Festival.

"Just by chance," Bob says, "I happen to have a batch of tickets for sale if anyone wants to give me a call."

### • SHOPPING CENTER •

CLASSIFIED ADVERTISING  
Deadline: Friday noon prior to week of publication unless changed by holiday.  
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#### RULES

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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

- AQHA REG. 2-yr.-old stallion, green broke, \$450; AQHA 2-yr. old mare, ribbon winner, trained for pleasure, \$500. Clem, 296-5204.
- HO TRAIN SET, 3 engines, several cars, switches, etc., \$15. Coalson, 298-0061.
- FLINTLOCK MUSKET, 1850 era, European; Mauser K98 rifle, 8mm; trade for old knives or swords. Smitha, 299-1096.
- FREE to good home, black, ½ Siamese, 9 mos. old male, wonderful disposition, all shots. Shaw, 255-1576.
- 27" SCHWINN Super Sport 10-spd; Silvertone guitar amplifier; 2 12" speakers. Hedberg, 299-8850.
- HIGH BACK maple finish rocking chair, \$9.50; baseball pitchback net for pitching, catching practice, \$8. Field, 345-1470.
- SPRINGFIELD 03-A3, \$50. Jordan, 299-4004.
- '71 FOLDING THERMO-Plastic trailer, no canvas, contains stove, sink, ice box, etc., sleeps 6, used twice, \$1450. Guerin, 299-4677.
- ¾ UPRIGHT string bass, cover, stand, \$250. Chavez, 255-1585.
- UNDERWOOD Model 5 std. typewriter w/12" carriage, used very little. Harrison, 299-2154.
- '70 SUZUKI 350, 6 fwd. spds, w/windshield & baskets, \$570; 8-track car stereo w/speakers, \$30. Gallo, 296-0112.
- CHILDREN'S boots, size 8 & 10, 50¢; port. potty, 50¢; Saf-T-Seat, \$5; training potty, \$2; maternity nursing bra, size 38E, cost \$5.50, for 50¢. Smith, 265-5447.

'71 KAWASAKI 500 MACH III, 8000 miles, extras, \$960. Rodriquez, 265-5192.

16' HYDRODYNE BOAT; 70 hp Mercury motor; homemade walk-around trailer; all ski gear: \$950. Greenwood, 298-5268.

12 CU. FT. Coldspot refriger., \$50. Hay, 242-8663.

WELSH PONY, paint gelding, 3 ½ yrs. old, \$35. Mautino, 877-4346.

STROLLER, \$10; infant car seat, \$4; cool moisture humidifier, \$7; DeVilbiss vaporizer, \$4. Toepfer, 296-6758.

WASHER/DRYER comb., Bendix, has leak in tub; Packard Bell 24" TV; table radio. Gutscher, 255-3736.

LEE LOADER & rifle cleaning kit, free w/30 cal. M-1 carbine, 15 round clip included, \$60. Nelson, 298-0720.

DAYBED; 2 chairs; new shampooer/polisher; make offer. Bierly, 255-5725.

AM-FM TUNER & amplifier, Pilot AF-724 & AA-903, monaural, tube type. Hughes, 299-6674.

6-YEAR CRIB & mattress; set of dishes for 8; Garrard auto. turntable; sabre saw. Spray, 299-0412.

GE washing machine, \$30; small tape recorder, \$7.50; Sun tachometer, \$20; bar top, \$10. Otero, 294-0060.

BOAT, fishing, skiing, 15 ½' fiberglass, 55hp Merc., elec. start; top, cover, instr., lights, tilt trailer, spare, \$1095. Barham, 298-7304.

WHEEL, new 15" 6-hole truck wheel, fits Chevrolet pickup, \$10; roll-away bed & mattress, \$10. Crass, 282-3889.

GARRARD MODEL-30 turntable, EV ceramic cartridge, \$30; avocado vinyl couch, \$35; luggage carrier for Rambler wagon, \$20. Darsey, 298-9803.

WESTINGHOUSE built-in oven; dishwasher; garbage disposal; stove hood — all bronze color; cottage door, 30"; front door. Noel, 298-2142.

HI-FI, semi-port.; phonograph; stuffed chair; birdcages & stands; short fluorescent lights; front house doors; ski boots, size 9; hairdryer; elec. razor. Chandler, 296-3323.

SKIS, '71 Rossignol Alais GP metal/Fiberglas, 205 cm; Cubco bindings; Barrecrafters poles; Nordica 5-buckle size 11 boots & tree, \$95. Weber, 299-1389.

TENOR SAXAPHONE, Buffet professional quality. Barth, 345-0172.

TEXAN M-IIA, Texan Model R 12 & 20, RCBS rock chucker, measure, Smith & Wesson Mods. 15 & 43. Entrekin, 296-9238.

VACUUM CLEANER; lg. arm chair & matching 3-piece sofa w/removable curved center section. Marchi, 299-3653.

GERMAN short haired pointer pups, reg., Krogdahl, 898-1369.

CHINCHILLAS, pr.; king-size headboard & frames; children's chairs, training chair, baby seat for bicycle. Johnson, 298-7356.

35MM CAMERAS, \$20 and up; 8mm movie, \$15 & \$25; electronic flashes, \$15 up; 2 small shipping kennels, \$10 & \$12.50. Souther, 296-6104.

SOFA BED w/matching chair, green nylon, \$50. Booker, 299-3554.

DRESSERS: grey mahogany, \$35; maple, \$25; green antique, \$20; dbl. bed-book-case headboard, \$25; single bed w/white plastic headboard, \$50. Mecklenburg, 344-6793.

'66 HONDA 50cc motorcycle, new license, \$100 or trade for bass guitar w/amps, of equal value. Frasier, 255-933.

SWING UP camper door, 2 sliding windows w/screen, needs center glass. \$18. Bassett, 898-1840.

FRIGIDAIRE auto. washer, custom Imperial, 3 wash temps., 3 rinse cycles, 2 load sizes, shop manual included. Joseph, 299-6989.

NEW WESTINGHOUSE copperstone washer & elec. dryer, never used, retail value \$454, sell for \$385. Erne, 299-0565.

#### CARS & TRUCKS

'71 DATSUN sta. wgn., 8800 miles, still under warranty, red outside, black inside, 4-spd. manual trans., radio, \$2100. Marquess, 296-1443.

PARTS CAR: '61 Chevy convert., everything good except block & rings, has lifetime trans., fairly new good top. Hueter, 242-1620.

'71 MERCURY Cyclone GT, 13,500 miles, loaded w/extras, \$2950. Crumley, 264-1686.

'70 VW sedan, \$1600. Waldorf, 898-7973.

'61 CHEVROLET Nomad wgn., 6-pass., std. trans., rebuilt engine, new tires-clutch-brake shoes, \$600 or trade for pickup. Cordova, 877-5526.

'67 FORD Country Squire, 9-pass., all power, \$1100. Johnson, 255-5427.

'66 CROWN Imperial, fully loaded, Hopper, 299-5515.

'64 CONTINENTAL, all power, new tires-brakes-shocks & exhaust system, \$900. Bland, 298-8459.

'66 PONTIAC Tempest 2-dr., over-head cam 6, std. trans. Covert, 296-1182.

'69 PONTIAC LeMans, 2-dr. HT, 350 CID V8, R&H, air, PS, new tires-battery, \$250 less than NADA. Hilty, 282-3974.

'65 VALIANT V8, AT, AC, power pac. Gillette, 298-2868.

'68 VW BUG, one owner, 19,000 miles, \$1150. Andes, 268-8951.

'55 CHEVROLET pickup, 4-spd., \$375. Haagland, 282-3825.

'59 MERC. Parklane HT, 428 CID, AT, PS, PB. Stewart, 265-0860.

'58 OLDS 88 2-dr. HT, AT, PS, PB, R&H, lt. orchid, orig. owner. Lang, 299-8934.

'66 MGB, 40,000 miles, new tires, \$1150. Mauth, 296-4737.

'67 RAMBLER Ambassador, 990 S/W V8, PS, PB, AC, reclining seats, price below book value. Jones, 268-2307.

'69 PONTIAC Catalina HT, 2-dr., AT, PS, PB, AC, \$1995. Buss, 298-1589.

#### REAL ESTATE

APPROX. 2/3 acre land in Chama, N.M., good for commercial use. Shively, 867-5439.

#### FOR RENT

2-BDR. Unfurn. house, \$125/mo. w/yr. lease, fp, garage, screened porch, SE between Base & UNM, couple preferred. Brammer, 265-8194.

#### WANTED

BABY SITTING in my home, near Bases, walled yard, play equip., hot lunch. Moss, 265-5248.

CEMENT MIXER in fair shape. Houghton, 299-3386.

HOME for Penn State Professor & family to occupy this summer during employment at Sandia, exchange also possible. Meyer, 264-8140.

INEXPENSIVE cash register in working order, age unimportant. Roth, 877-4997.

TOWER SECTIONS ROHN 25. Foster, 282-3975.

TRADE Remington 12 ga. auto. for .243 Winchester in Rem. model 700, Reuger model 77, or Winchester model 70. Gonzales, 242-6264.

USED TRACTOR DISC. Sayers, 898-2955.

KENNEDY ROCKER. O'Bryant, 268-9049.

#### LOST AND FOUND

LOST—Manila folder w/job grade study booklet & misc. notes, bifocal safety glasses w/brown frames, silver & pearlized coat button, top part of tie tac in gold & pearl in shape of a fly.

FOUND—Plastic carrying case for contact lens, gold earring. LOST AND FOUND, tel. 264-2757, Bldg. 832.

## Stage Show, Movie Manana

**DICK COUGHENOUR** (4115) Coronado Club treasurer, is a tough man with a nickel. He is also a philosopher and chowhound. "I've been coming to this club for years," Dick was telling the north end crew, "but there's a new excitement around this place lately. Friday nights are something else. There's a lot of life left in these tired old accountants, engineers and scientists. I'd like a beer, Joe."

"That's 20 cents, Dick," the bartender says.

"Right, I get a nickel change from a quarter."

"Right," Joe says. "You are a tough man with a nickel."

\* \* \* \*

**HAPPY HOUR TONIGHT** will feature the Club's new fried shrimp (lots of it) buffet with Frank Chewiwie and the group on the bandstand. The buffet costs \$1.85 for adults (the best buy in town according to Dick Coughenour) and \$1.60 for kids. Happy Hour prices will prevail from 5 to 10 p.m. Denny Gallegos and guitar will entertain in the main lounge from 9 to midnight.

Next Friday, Feb. 25, the Club's "New" Mexican buffet will be spread while Sol Chavez and the mighty Duke City Brass make the happy music. Margaritas will sell for 50 cents. Yolanda Adent will conduct a sing-along in the main lounge. On Friday, Mar. 3, the Country Express will play for dancing while an oriental buffet will be spread.

\* \* \* \*

**TOMORROW NIGHT** on the Coronado Club Stage the Suzanne Johnston Concert Dancers will perform at 7 p.m. This group of 18 dancers includes some members of the UNM Loboettes. A Jerry Lewis movie, "Hook, Line and Sinker," will follow the stage show and Happy Hour prices will be in effect all evening. Super sandwiches will be available. Admission is free to members and families.

\* \* \* \*

**SOUL SESSION** this month is scheduled Saturday, Feb. 26, and will see a group called "Swartz" wired into the bandstand. Soul Sessions are free to members, \$1 for guests. Time is from 8:30 to 12:30.

\* \* \* \*

**LOBSTERS** — 300 of them — will be flown in for the New England Seafood Dinner event scheduled Saturday, Mar. 18. Tickets (\$6.75 for members, \$7.75 for guests) should be picked up by Feb. 26. The evening will include a wine taste, dinner and dancing.

\* \* \* \*

A **PLANE LOAD** of Club members will take off next Monday for eight days in Hawaii. Have fun, you guys. The Spain/Portugal travel package set for October is shaping up. About 80 troopers have signed up for the 16-day trip. Deadline to put your name on the list and make a \$100 deposit at the Club office is Feb. 29.



Nadine and Friend discuss municipal debentures over a drink at the Coronado Club bar. Join them there Saturday night for the next Soul Session — should be fun.

## Authors

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