

Beetles Bug Brannen

The villain is a little monster bearing the scientific name *Anthrenus flavipes*. We know it as a carpet furniture beetle. It does millions of dollars worth of damage annually in this country and millions more around the world. It is a very cosmopolitan beetle.

One of its favorite foods is the rubberized curled hair used extensively by the Labs as a packing material. The voracious little beast bores through plywood, cardboard, and

plastics to get to where it wants to go. It will damage nylon, teflon, neoprene, polypropylene, polyurethane foam, cellulosic and kapton.

Material saturated with DDT will slow it down but not kill it.

Pat Brannen of Biosystems Studies Division 5251 scientifically catalogued the preferences of *A. flavipes* and is currently preparing a series of reports with recommendations on how to control the pest within the AEC complex. He tested the beetles' preference for widely-used electronic, packaging and insulating materials.

Pat designed his study to answer these questions:

1. Will the test material attract the beetles and, if so, what is the order of preference among the test materials?

2. Will the beetles damage the test materials?

3. Is the test material used as food by the beetles?

4. Will the beetles penetrate the material?

Secondary objective of the study was to determine the extent and nature of the damage to the material resulting from association with beetles.

Pat designed the tests and contracted with Anthony Gennaro, curator of the Eastern New Mexico University museum, to do experimental work in connection with the study. Several graduate students in entomology also participated. Gennaro is known in the profession for perfecting an inexpensive and efficient way to culture beetles. The beetles are employed to reduce



PAT BRANNEN (5251) — "I sort of like the little devils."

specimens to skeletons for museum display. The tests involved thousands of beetles and dozens of materials and took just over a year to complete.

Pat, a graduate biologist who switched to mathematics for his PhD, reduced the mass of data to a working model of beetle behavior that tells him all he wants to know about beetles.

"I sort of like the little devils," Pat says. "They're hairy, voracious and cannibalistic, but as a species I have to admire their
(Continued on Page Two)



ANTHRENUS FLAVIPES (furniture carpet beetle) as a larvae, the most destructive stage. It's about a quarter of an inch long and lives up to nine months before becoming an adult.

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MAY 4, 1973

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

Sandia Blood Donor Program — One Year, 3000 Pints Later

Just a year ago LAB NEWS announced a blood donor program for employees under which a Sandian who donated a pint (or more) of blood per year was given Blood Plan Insurance for a year. The insurance covers both the employee and his family. The appeal struck a responsive vein (sorry) — some 1600 people signed up and they've given 3000 pints. Or, if you measure things that way, it amounts to 1800 fifths.

Anyhow, it's a lot of red stuff and Blood Services is delighted because the donor pool in Albuquerque has been increased by some 40 percent. But, for whatever reason, the need for blood has also risen sharply. Blood Services estimates Albuquerque now needs 36,000 pints per year, and that's more blood than the present donors can give, even if squeezed. More donors are needed.

If you are not in the present donor program, you may want to consider enrolling. Reason: enlightened self-interest. Treatment of injury following an accident, or surgery, or certain illnesses can consume vast quantities of whole blood, and by donating blood in what is called the Preferred Community



CARL KING (9521) is hooked up and ready to donate a pint in the Labs' blood donor program. RN Doris Phillips does the honors.

Donor Program you and your immediate family are entitled to blood, free of blood bank charges, for a period of six months. Immediate family includes the donor, spouse, children to age 19 yet at home and unmarried, and to age 23 if single and full time students.

Which brings up an important point for the many Sandians whose children no longer are covered by the plan because they've grown up and fall under one of the exclusions. Such offspring can qualify simply by signing up themselves and donating once every six months and, if they choose, they can make their donation at Sandia Labs (or at any Blood Services station). Under a recent rules change, you cannot donate and assign blood coverage to some other person. That person must be the donor to gain coverage (the new rule is not retroactive — existing coverage assigned to another person by virtue of your donation is extended each time you donate in that person's name).

Retirees under age 65 who are already signed up may continue in the plan; if not
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Credit Union Reporter



By Bill Prekker
Chairman
Education Committee

All About The Way We Operate

Who makes Credit Union policy? Who has final authority on approval of loans? Who sees to it that the Credit Union is operated in accordance with the law, rules and regulations, and established policy? Three groups, the Board of Directors, the Credit Committee, and the Supervisory Committee, are responsible. Let's look at their functions and responsibilities.

Board of Directors

The Board of Directors consists of 11 members elected to three-year terms by the membership at the annual meetings. Terms are fixed so that an equal number of terms expire in any one year. The Board exercises general control and direction of the Credit Union in accordance with the Federal Credit Union Act, the by-laws, the rules and regulations issued by the National Credit Union Administration, and sound business practice.

The Board sets loan policy on interest rates, collateral, and maximum repayment periods, subject to limitations established by law. Some of these limitations: (1) a maximum interest rate of 12 percent per annum, (2) a maximum repayment period of 120 months, and (3) a maximum unsecured loan limit of \$2500.

The Board declares the dividends to be paid, their amount and frequency, but not oftener than quarterly nor more than the six percent annual rate legal maximum.

The Board also directs the business affairs of the Credit Union, its budget, employee salaries and benefit programs, insurance requirements, the acquisition of building and equipment, personnel requirements, and similar matters. The General Manager (Bill Bristol) conducts the daily affairs of the Credit Union within the policies established by the Board.

The Board establishes and supervises the loan collection program and authorizes the

charge-off of uncollectible loans. It appoints the members of the Supervisory Committee and may appoint alternates to the Credit Committee to assure a quorum. The Board may discharge any director or credit committee member for failure, in the Board's opinion, to perform the duties of the office.

The Board elects the Executive Officers of the Credit Union from among its members following the annual meeting. These are a President, Vice President, Treasurer and Secretary. The Board must hold a monthly board meeting and may hold special meetings if required.

Credit Committee

The Credit Committee consists of three members elected at the annual meetings by the membership for a term of three years. One term expires at each annual meeting. The Committee chooses from its number a chairman and a secretary.

Committee members meet daily to review loan applications. They scrutinize the financial condition of each loan applicant to ascertain ability to repay the loan and to determine if the loan is for a productive purpose.

The Credit Committee may appoint one or more loan officers (not more than one of its own members) and delegates to them authority to approve loans, share withdrawals, and releases and substitutions of security, within specified limits. No loan is made unless approved by the Committee or a loan officer.

Supervisory Committee

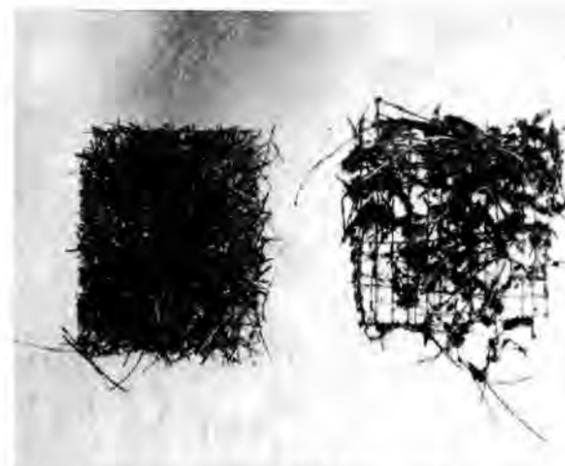
The Supervisory Committee consists of three members appointed annually by the Board of Directors. The Committee elects from its membership a chairman and a secretary.

The Committee performs audits and prepares and submits the reports required by the Federal Credit Union Act and other regulations. The Committee currently employs two paid auditors. The Committee forwards to the National Credit Union Administration any reports required. In addition to audits of the Supervisory Committee, the National Credit Union Administration conducts an annual examination which is paid for by each Credit Union.

The Supervisory Committee has the power to suspend any board member or credit committee member; conversely, the board may suspend a supervisory committee member. In either case, such suspension is either upheld or revoked at a general meeting of the membership.

Mobile Home Loans

Ever consider a mobile home? They're becoming a way of life for more and more Americans, particularly for young people and retirees. The Credit Union will be happy to discuss financing. Interest rate on mobile homes is 8.4 percent per annum, with up to 10 years for repayment.



SAMPLE of vulcanized curled hair, widely used as a packaging material, before (left) and after the beetles breezed by.

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BEETLES

tenacity. They are tough — it takes them six weeks to starve to death, for instance, and if they have neighbors, it takes up to 11 weeks."

The beetle causes most damage during its larval stage when it is hyperactive, shedding its skin six times as it consumes food and grows. This stage lasts from six to nine months. Adulthood lasts only 10 days or so, and during this time the female can lay several hundred eggs.

"The species is not endangered," Pat says.

"We hope to control it in a number of ways," he continues. "First, only that material which cannot be used as beetle food should be used for our critical packaging. We should remove where possible from storage areas all material which is now supporting beetle life. When this is not possible, then food sources should be poisoned and the area controlled — periodic heating (to 125°F) of the area, for instance, to control the insects."

Over the long view, since chemical control is frequently not practical or effective as a food poison, Pat recommends biological control. Certain protozoan parasites are deadly to *A. flavipes* but their other, possibly undesirable, characteristics must first be determined.

The future for effective insect control, Pat believes, lies in synthesizing the sex attractant for a species, luring individuals into some sort of chamber where a small dose of radiation would sterilize them, following which they are turned loose to engage in futile propagation efforts.

"This has been done by other researchers in a number of experiments," Pat says, "with fantastic results. If the technique could be perfected and used continuously over a wide geographic area, almost total control of a species could be achieved."

The biosystems study was sponsored by Ed Bruce and Luke Stravasnik of Trailer, ATMX and H-Equipment Division 1554. • dg

Sympathy

To Dave Benson (5223) on the death of his father April 13 in Florida.

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

in livermore lorena schneider does all

Variable Annuity Unit Value

May	1.755
April	1.763
Average 1972	1.737

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Gardening Tips for May

Sandia/Livermore gardener Zell Terry (8257) offers these suggestions for the month of May:

- with warm weather coming on, begin a deep watering program — usually watering once a week; Zell emphasizes this is essential to keeping vegetation in good health
- along with the warm weather, rust, fungus and sod web worm become prevalent in grass; use chlorodane (see LAB NEWS, April 6)
- watch for mildew on roses and other shrubs, the result of warm days and damp nights; Zell uses sulphur dust
- continue spraying for aphids on all vegetation and twig borers in juniper (see LAB NEWS, March 9)
- continue setting out new plantings, including annuals and bulbs, for summer color in the garden
- assault ant hills remorselessly; Zell uses chlorodane.

Authors

Mike Baskes (8314) and Tony Thompson (8313), "Relation Between Apparent and True Activation Area," JOURNAL OF APPLIED PHYSICS, Feb. 1973.

Tony Thompson (8313), "On Fatigue Crack Morphology at Surfaces," SCRIPTA METALLURGICA, Feb. 1973.

Three Sandians Registered Professional Engineers

Jerry Alcone (8362), Al Baker (8344), and Bob Phillips (8362) were recently notified of their registration as professional mechanical engineers in the State of California. The registration was approved by the State's Department of Consumer Affairs.

To qualify, applicants must meet requirements of the California Board of Registration for Professional Engineers and present evidence of at least six years of acceptable experience, or equivalent education credit. An eight-hour written examination is also given.

Jerry has been with Sandia/Livermore since December 1968, Al since December 1965, and Bob since March 1969. All three hold PhD's.

Dancing Is a Ball, Says Estrella

"We enjoy the stage and performing, but our dance group is more than a hobby because we take pride in what our culture has to offer," says Estrella Lopez (8423), a dancer with the Ballet Folklorico Mexicano de Livermore since its formation over five years ago.

The dance troupe, whose 32 members are mostly high school and college students, rehearse twice weekly under the direction of Carlos Moreno, founder of the group. They practice dance techniques and choreography and learn as well the meaning and history of the various dances.

The elaborate dance routines and colorful costumes have made the Ballet Folklorico Mexicano a popular performing group at high schools and junior colleges throughout Northern California. The group averages 20

to 25 appearances each year. Their most recent honor was first place award at the Don Quixote competition in San Francisco where they competed against native folk dance groups from four South American countries.

"We vary our programs by changing costumes," says Estrella. "All are handmade copies of original Mexican designs, modified for dancing. A good example is a blouse and skirt designed as a dress for fast changes. We also use permanent press fabrics to save on cleaning and pressing. The director comes up with the idea and color scheme for a dance and the seamstresses follow through."

The group's repertoire of 30 dances range from northern Mexican dances, which reflect a cowboy influence, to the dances of Veracruz in which all-white dress is worn, to the Mexican hat dance of the state of Jalisco.

Other dances reflect Indian village life. "My favorites are those from Veracruz," comments Estrella. "I love the vigorous, rhythmic dance style of this region — very similar to Flamenco."

Busy time for the group is during fiesta weeks — in May around Cinco de Mayo Day when Mexico celebrates its independence from France, and in September when Mexico celebrates its independence from Spain. A major performance is scheduled at Chabot College in Hayward on May 5th. Future plans include a trip to Guadalajara this summer where members will attend a dance workshop.

Estrella joined Sandia/Livermore as a secretarial trainee in November 1971, became a permanent employee in March 1972, and last month was promoted to secretary of Model Labs Division 8423. • Is

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IN JALISCO COSTUMES, Estrella Lopez (8423) and cousin Hector dance the Tirador, one of 30 dance routines of the Ballet Folklorico Mexicano de Livermore.



BARBARA RUSH worked more than 100 hours on this large ojo de dios being admired by Kathy Brady (2113). Ojos always symbolize good — never evil — good health, good fortune and good crops or prosperity.

The Eyes Have It

A colorful display of "ojos de dios" is on display in the north corridor, second floor of Bldg. 802. They are the work of Sandian Barbara Rush and reflect her skill and creativity. She's been making "ojos" since she learned how to from a friend several years ago. The artifact has an interesting history.

The "eye of god" is an ancient symbol. In the Southwest American Indian version, two or more crossed sticks are bound together with colored yarns. The yarn is wound very tightly and concentrically outward from the point of intersection of the sticks. The resulting shield is diamond shaped, color and pattern depending on the number of sticks, yarn, and type of weave, with a single-colored "eye" at the center. The name "ojo de dios" was given to these Indian prayer sticks by the early Spanish.

Barbara became so intrigued with ojos that she spent one vacation researching the subject. "I discovered that very little has been

written," Barbara says, "and that most Indians are reluctant to talk about them." She learned that each ojo represents a prayer, and that the colors are significant — white is purity, brown is earth, blue is water, green means growing things, orange is abundance or happiness. Meanings of the colors vary slightly with different tribes. The turquoise and brown ojo of Barbara's is a prayer for rain for the earth. "An Indian lady told me that the eye color, usually black or brown, should never be used elsewhere in the ojo because it would weaken or detract from the prayer," she says.

Barbara is interested in other arts and crafts — sand casting, collages, and pen and ink sketching.

She has been secretary to the Director of Industrial Relations, 4200, and on June 1st becomes secretary to W.J. Spencer, new Director of Microelectronics, 2100. • nt

TWELFTH NIGHT, a comedy by William Shakespeare, is being offered by the Classics Theatre Company at the U. of Albuquerque on this and next weekend — Thursday through Sunday. John Gardner (3140) is directing, and in this rehearsal scene Phil Mead (3151) studies his lines while the company carries on. Curtain is at 8, tickets are two dollars, no reservations are needed, and call 299-0546 for further information.



Bus Notes

A bus to Sandia from Los Lunas — maybe even from Belen. That's the possibility Bob Martin (2114) is exploring. If you live in the Belen or Los Lunas area, or along Highway 47 (even as far north as the Isleta Bridge) and didn't get the survey form, leave your name and organization number with Bob at ext. 3117.

* * * *

Sandia Special No. 4 is apparently a resounding success. The two-week trial period ends today, and the Transit Company has already informed Jeff Gammon (7333) that No. 4 will be a permanent addition to the Sandia Special ranks.

There is a schedule change as of April 30:

7:14 a.m. University & Indian School
7:20 a.m. Washington & Indian School
7:26 a.m. San Mateo & Constitution
7:35 a.m. Louisiana & Constitution

Bike Notes

Sharla Vandevender (4732), chairman of the city's Bicycle Advisory Board, reports progress in gaining bike routes in the Central Ave. area east from Eubank to Tramway Blvd. The city has agreed to the following bike route: east along Southern (to be paved) from Eubank to Juan Tabo; north on Juan Tabo, across Central, to Skyline; east on Skyline to where it meets the Interstate; then, a separate bike path along the Interstate fence to Tramway. Estimated completion date: one to two years. The new bike route should enable 4-Hills Sandians to bike it to work without undue hazard.

Sharla has been invited by the U.S. Depts. of Transportation and Interior to attend a two-day symposium *Bicycles USA* in Boston this month. She plans to attend and, since expenses for the trip are out-of-pocket, the Sandia Bicycle Ass'n. executive committee voted to allocate \$75 to help defray her expenses. SBA members are asked to send a dollar or two to Lyle Wentz (1513), association treasurer, to bolster the association's now diminished funds.

Deaths

Lynn Fisher of Mobile and Remote Ranges Division 9441 died April 14 in a light plane crash near Junction City, Kans. He was 50.

He had worked at Sandia Laboratories since July 1958.

Survivors include his widow, a son and three daughters.

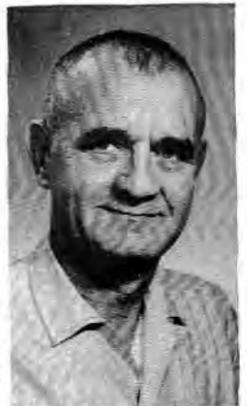


* * * *

George Hunt, a staff assistant in NTS Staff Division / Albuquerque, 1131, died April 17 after an illness. He was 57.

He had worked at the Laboratories since February 1956.

Survivors include his widow, a son and a daughter.





THE F-15 EAGLE, the Air Force's newest fighter, will be the subject of a speech by Maj. Gen. Ben Bellis on May 15. He's F-15 Systems Program Director, and he'll address a dinner meeting at the KAFB-West Officers Club. It's co-sponsored by the Albuquerque Chapter of the Air Force Association, John Dishuk (1651), president, and by the Albuquerque Chapter of the American Ordnance Association, Jack Hansen (7500), president. Members, spouses, and guests are invited to cocktails at 6:30 p.m., dinner at 7:00; it's \$3.50. Call Edwina at ext. 1330 for reservations.

ECP Committee Looking for Ideas, Comments, Suggestions

Although October is a long time away, the reorganized Employees Contribution Plan Committee is meeting regularly to ponder the annual campaign to raise funds for the Albuquerque United Community Fund and other national health and welfare agencies.

"This is the time," says Bill Snyder (5320), ECP committee chairman, "that we analyze agency data and performance and formulate plans and policies for the drive next fall."

"It is important," he continues, "that Sandians understand that we represent them in this vital area of community support. We welcome ideas, comments and suggestions from everyone. A great deal of money is involved."

Before the recent reduction in force, Sandians had pledged more than \$377,000 to ECP for the year, and this amount will now be reduced by about six percent.

"Our average gift to ECP per contributor is an outstanding \$73," Bill says. "Some 85

percent of our employees contribute to ECP, and 52 percent give at the Fair Share (one hour's pay per month) level. So as salaries increase, we expect modest increases in the total contributed to ECP."

Bob Garcia (4230) and Art Clark (9330) are deputy chairmen of the ECP committee heading the solicitations and allocations sub-groups. Ken Sutton (4250), last year's ECP chairman, heads the promotions and publicity sub-committee this year. Joe Laval (3163) is executive secretary. Frank Ortiz (4117) is treasurer.

ECP committee members are Dale Buchanan (9310), Phil Bircher (9512), Lewis Thigpen (5643), Willis Smith (5113), Frank Lesperance (7513), Maxine Stephens (9541), and Ralph Brown (2315).

Union-appointed members of the committee are Hazel Schuler (2633), Office Employees; William Seaburn (7146), Metal Trades; and George Davies (9550), Guards.

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Blood Donor Program

signed up they may enroll using the coupon below.

Vern Henning in Employee Benefits continues to be Labs co-ordinator in the blood donor program. Call him on ext. 7336 if you have suggestions, or go see him — he's the one with the two long teeth. •js

To: Vern Henning — 4214	
I wish to participate in the Sandia Blood Donor Program.	
Name (please print)	org.
office phone	date



THE SANDIA INTERACTIVE GRAPHICS SYSTEM (SIGS) is the subject of a talk to be given by Rich Young (2644), seated, at the upcoming Second Sandia Mathematical Computation Symposium. Rondall Jones (2642) l to r. and Ron Halbegewachs (2641) will also present talks. Ron Detry (2642) is a coordinator of the symposium.

Speakers

Tom Latta (1251), "AIRVAL — A DOD Program to Evaluate Air-to-Air Missile Effectiveness," IRIS Symposium IR Countermeasures Group, April 10, Washington, D.C.

G.J. Simmons (5120), "Survivable Command Graphs," Mathematical Association Meeting, April 13, Tucson, Ariz.

G.E. Pike (5155), "Percolation Theory and Conductivity," Univ. of Pittsburgh, April 16.

K.W. Schuler (5163), "Observation and Analysis of Nonlinear Viscoelastic Wave Propagation," Univ. of Minnesota Seminar, April 18-21, Minneapolis.

F.W. Bingham (5212), "Radiative Lifetime Measurements in N_2 , N_2^+ , and CO ," APS Meeting, April 23-26, Washington, D.C.

G.L. McVay (5154) and J.E. Shelby (8331), "He Migration in Na-K Mixed Alkali Silicate Glasses," 74th Annual Meeting of the American Ceramic Society, April 29-May 3, Cincinnati.

A.C. Switendick (5151), "Energy Band Calculations of Cubic Laves Compounds $LaAl_2$, $LuAl_2$, and YAl_2 ," 10th Rare Earth Research Conference, April 30-May 3, Carefree, Ariz.

William Chambers (5522), "Controlling Microprobes via Focal," UNM, Dept. of EE and Computer Science Colloquium, April 26.

R.F. Davis (2641), "Computer Systems Performance Monitoring at Sandia Laboratories Albuquerque," AEC Scientific Computer Information Exchange Meeting, Lawrence Livermore Laboratory, May 3-4, San Francisco.

L.V. Rigby (1642), "Steps to the Future," American Society for Quality Control, Quality Control Week Banquet, April 10, Albuquerque.

Math Computation Symposium Scheduled At Sandia May 17-18

The second Sandia Mathematical Computation Symposium will be held in Bldg. 815 (inside the Tech Area) on May 17 and 18. A successful conference was held two years ago, and this second meeting was organized with the same goal — to provide a means of exchanging information on resources and needs in the field of mathematical computation at Sandia.

W.J. Cody of Argonne National Laboratory is an invited speaker. His talk, "Hardware, Software and the Numerical Analyst," will deal with the influence of hardware and system software on the designs and implementation of numerical algorithms. Speakers from SLL and SLA will cover a wide area of Sandia's work.

Ron Detry (2642) and Bob Huddleston (8441) are symposium coordinators. Since the conference covers many subjects, individuals may wish to attend selected talks. Program information is available from Bob, ext. 2120 at Livermore, or Ron, ext. 5805.

Retiree



EMMA BENDERMAN, water colorist.

Pleasures of Painting

"It's what I've been working for and I'm delighted!" Emma Benderman displayed the object of her pleasure — an honorable mention ribbon attached to the frame of an abstract watercolor which she had submitted to the 7th Regional Art Exhibition in Phoenix, Ariz.

After working 13 years in Sandia's records management group, Emma retired in 1970 and immediately began a new career of painting, something she had been interested in but had never pursued. An avid student, she has since studied with numerous local artists, participated in workshops by visiting artists, and has enrolled as a freshman (at age 63) at UNM to begin a degree program in art.

Emma has experimented with various media but prefers to work with watercolors. "When I use watercolors," she says, "I seem better able to express my feelings about life and nature. There's something about touching the brush to that white paper and then letting the color flow that satisfies me."

"When I look at some of my earlier efforts, I'm never content, but I'm told that's a sign of progress. I love to paint and I'm jealous of time spent away from it — being busy is being happy."

In addition to painting, Emma sews, will soon begin piano lessons, and goes out often with her sketch book; she and her daughter enjoy visiting galleries in Santa Fe and Taos.

Her paintings have been hung at the Convention Center. Currently, she is exhibiting at the New Mexico Art League Gallery in Old Town.

Fun & Sun

Dick Dickinson isn't a Sandia retiree but we still claim him. At the time of his retirement in 1967 he was on loan to Sandia from Western Electric and was department manager of the benefits organization.

A few months ago the Dickinsons moved to Sun City, Ariz. In his "Dear John" letter (to the editor), he gives some idea of why that retirement center is so popular:

"Sun City is difficult to describe to the uninitiated. It's big — 24,000 people, it's friendly, people from all 50 states plus several foreign countries, it's middle America at its best, and it's generous; a waiting list to help out at the Boswell Memorial Hospital, tops in contributions to the various charities and volunteers for the many institutions in the Valley.

"Recreation is big here, nine golf courses, four swimming pools, bowling on the green and of course all the other activities in a retirement community.

"I think what sets this community apart from others is that it's so normal. You do what you want to do, pretty much as you would where you came from, although the average individual is much busier."

Vallecito Resort

Maxine Natzke was secretary of the micrographics division when she retired a



year ago. Her second career is a family effort — Maxine and her husband Ken, their son Kirk and his wife Connie are owners and operators of Lake Haven Resort, Rainbow Lodge, overlooking Vallecito Lake in southern Colorado.

Vallecito Lake has 22 miles of shore line and offers fine fishing — German brown, rainbow and brook trout, northern pike and Kokanee salmon. The Natzke's facilities

include cabins, a store, a complete marina, boats, a gift shop and an ice cream parlor.

"We're especially busy during summer," Maxine says. "This is truly 'God's Country,' We live here year around. Have had snow since last October, and an abundance of it — a winter wonderland."

Campers

Darl Deapen worked in Electrical, Mechanical Switch and Timers Section and retired in 1968. In a newsy letter he told us of some of his activities:

"Mrs. Deapen and I left our home in Texas in January for Camp Cedar Falls . . . near Redlands, Calif.

". . . a beautiful place, lots of pine and cedar, plenty of spring water and 160 acres of mountain. We have sleeping quarters for 400 and a dining room that seats 450 people. Our main business is young people 9 to 16 years old. July through Sept. we have 10 separate camps . . . with 300 to 400 each time. Mrs. D. was arts and crafts director. I helped her and also did maintenance work. We had a variety of crafts and nature studies along with fun classes in watersports, horsemanship, survival and campouts. We had 50 to 60 good counselors and teachers. . .

"Jan. through June Mrs. D. and I catered for the tired and hungry that came to our camp each weekend. Groups of 100 to 300 in conventions or church groups. . . With October's cold fog on the mountain, we pulled our stakes and headed for Texas with pleasant breezes and 70°. We never make plans, just go where we please and stay as long as they let us."

Life In Arkansas

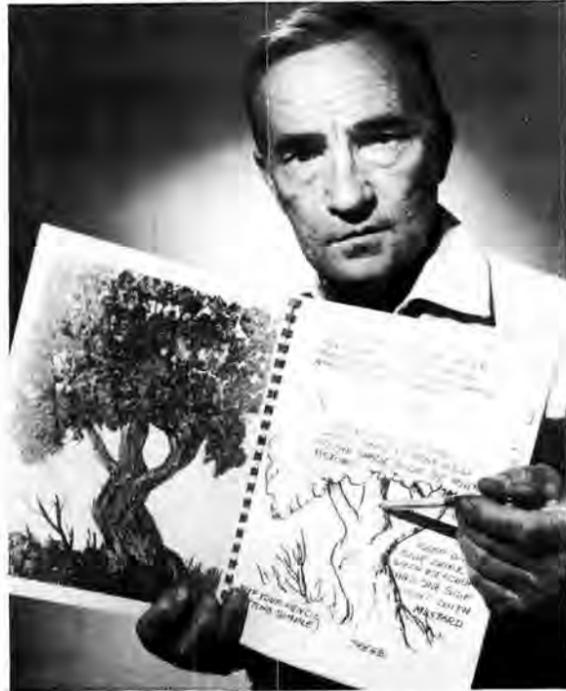
Willie Robertson retired from PT fabrication group in 1971. The Robertsons moved to Springdale, Ark., where for the first few months Willie was busy getting their new home built. They moved into the new house in March of last year. Willie's two and a half acres, mostly timbered, are located 12 miles east of Springdale. The first year he was so busy he didn't have time to go fishing — he planted a garden, built a barn, cut wood for the fireplace and finished up a lot of other odd jobs. Willie says he and his wife canned 300 jars of fruits and vegetables. Some of the berries they canned were wild blackberries growing within walking distance of the house.

Willie has some advice for pre-retirees: "make plans about what you want to do and then talk to someone who has done something similar. Sandia's retirement counseling has information that you can use. And, finally, keep busy."

Easy On The Ketchup

George Shelton retired from the benefits and services group in 1969. Sandians remember George as a versatile artist — toy designs, cartoons, art restoration, painting in various media, muralist. Add to that his latest endeavors — writing and publishing a book on a new painting technique and drawing illustrations for a recently published child's book.

Report



A DAB OF MUSTARD HERE, a splat of ketchup there — learn "Cook A Painting" from George Shelton's book.

The book, entitled "The Loner (Rudy Roadrunner)," was written by Jeff Stevens and published by Clarke Industries of Albuquerque. George's cartoons illustrate the comic personality of the story's main character — the roadrunner, New Mexico's state bird.

The new painting technique is described by George in a book called "Cook A Painting." The artist applies ketchup and mustard in various thicknesses to a pencil drawing and then cooks it in an oven. Something similar to a light-to-dark-tan sepia print results. It helps if the artist happens to like ketchup and mustard.

George has demonstrated this simple and inexpensive craft to teachers and students in elementary and junior high schools. In a couple of weeks he begins demonstrations at VA Hospital for 45 patients in a rehabilitation program.

The "Cook A Painting" book was printed by Hartmancraft U.S.A., and is available in most local book stores. The roadrunner book is distributed through Beck News Agency.

* * * *

Books in Columbus

In January 1969, Mary McClure retired from the library at the Labs and moved to Columbus, N.M.

"In a sense, I retired to the same type of job, but this time as a volunteer," she writes. "The village of Columbus had a collection of books they called a library. It had no catalogue, no record of the books in the library — and nothing to work with. When the village discovered I was a librarian, I was asked to take charge of the books and make it into a library.

"It has been a challenge to my inventiveness to find a substitute for a card catalogue. What we will use eventually is the original post office fixtures (from Columbus) and cardboard shoe boxes!"

George Hawley Named Fellow In ASQC



George Hawley, who retired from Sandia Labs March 16, has been named a Fellow in the American Society for Quality Control. He will be honored at a meeting of the Albuquerque Chapter of ASQC May 8 and during the ASQC national convention in Cleveland May 21-23.

His citation reads: "For his contributions to the future of quality control, especially for his development of materials and training in quality control, new quality engineering techniques, and vendor-vendee programs and their evaluation."

He prepared and taught one of the first quality control courses given in the Ford Motor Company and later became statistical quality control supervisor in their metal stamping division.

George joined Sandia in 1955 and for 18 years held quality engineering and supervisory positions in both the Quality Control and Quality Assurance organizations.

He served in several officer and committee positions in the local ASQC organization. He was a national representative of the ASQC 294 Standards Committee and is currently a member of the national Vendor-Vendee committee.

George will be moving from Albuquerque this month to Flint, Mich., where he will be a quality control consultant.

* * * *



Burke and Clemantine Duff

Tonopah Alumnus

Some months ago, LAB NEWS received a letter from Burke Duff, who retired in 1967 from the field test group at Tonopah Test Range. Burke said he was enjoying retirement and had been quite busy. He and his wife Clemantine returned to their former home in Heber, Calif. Their house had been unoccupied for six years so Burke had lots of repairs to make. "... I still have many projects pending. Haven't found any time for my hobby of rock cutting, but hope to get the saw going again one of these days." • nt

Recreation Notes

FUN & GAMES

The Sandia Golf Association season opener on April 21 was played on two courses. In the high handicap division, played at Los Altos, Ben Chavez (2631), playing in the third flight, won the low net trophy with a 61. Winners of the first and second flights were J.E. Gonzales (2631) at 63, and O. Espinosa (7113) with 69. The low handicap division was played at UNM. Bill Saric (5643) won the low net trophy with a 70 and Dick McCann (9353) won the first flight with a 72.

The next tournament will be played at Panorama Country Club on May 18. Ray Schultz (7420) has the details.



JOE MOODY with AOA bronze medallion.

Medal of Appreciation From Ordnance Society Honors Joe Moody

A bronze medallion of appreciation from the American Ordnance Association was awarded recently to Joe Moody, who retired from Sandia Labs March 23.

The citation accompanying the award reads "... he has materially advanced the science of metrology in the United States and has achieved a national reputation as an authority in this vital scientific field. His numerous technical publications attest to his wide experience and expert knowledge, particularly in the area of the application of metrology in nuclear weaponry."

Joe served as deputy chairman and national chairman of the AOA's Standards and Metrology Division for several years. He has been active in the organization since 1953 when he helped found the Albuquerque Chapter of AOA.

A mechanical engineer, Joe worked at Sandia for 24 years, primarily in the standards area.

Retired almost two months now, Joe says, "I've never been so busy. I'm catching up on all those things that I wanted to do but kept putting off."

Take Note

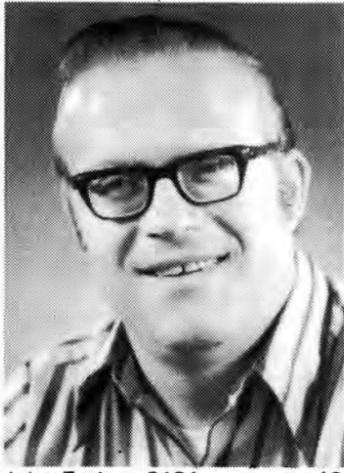
Paul Souder (1513) has been elected patrol leader of the 60-member Sandia Peak Ski Patrol and will serve in that capacity through the next season. A member of the Patrol since '65, Paul has more recently been the Patrol's Ski Swap chairman and is succeeded in that job by Pete Stirbis (1542). Paul is also active with the Purgatory Ski Patrol. He reports a need by the Sandia Patrol of recruits who are able to ski weekdays, and spouses or college age children of Sandians who are interested should contact him. His number is 281-3121.

* * * *

President Nixon has announced his intention to nominate William Kriegsman to be a Commissioner of the AEC. Kriegsman has been manager of the Washington office of Arthur D. Little Company since 1971, and his work has been concentrated in the areas of energy, technology and the environment. He holds a master's degree in engineering administration, granted in '64 from George Washington University, and he served as an officer in the Navy aboard an aircraft carrier.



Elmer Borbely — 4113 20



John Freie — 8181 10



Tony Chaves — 7522 20

MILEPOSTS

LAB NEWS

May 1973



W. W. Erdman, Jr. — 7652 15



Oleta Morris — 7331 25



Lewis Butler — 7517 20



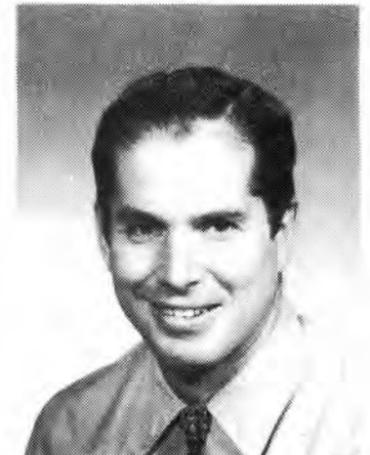
Hale Farley — 5213 10



Charles Byrne — 7151 15



Whitey Sorensen — 8183 15



James Lokkamp — 1935 10



Ann Hackley — 1612 20



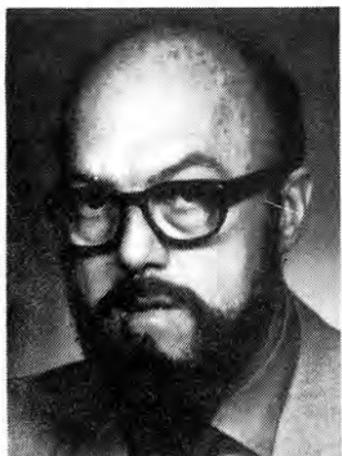
Harold Maciolek — 1525 20



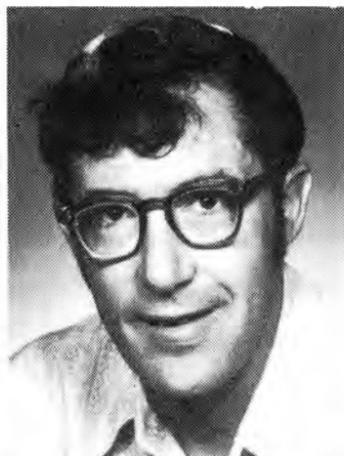
David Denton — 9221 15



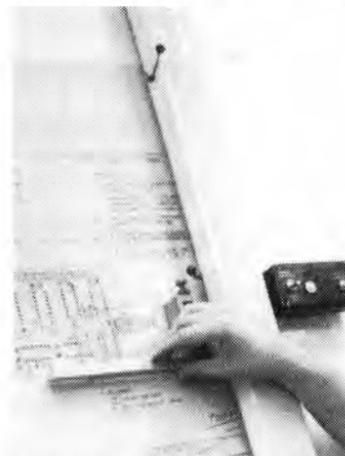
Gene A. Daniels — 7652 20



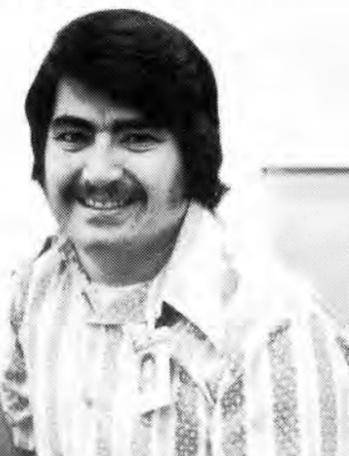
Floyd Forsythe — 5621 20



Joseph Abbott — 1934 15



David Sanchez — 7624 10



Mary Simpson — 4154 20



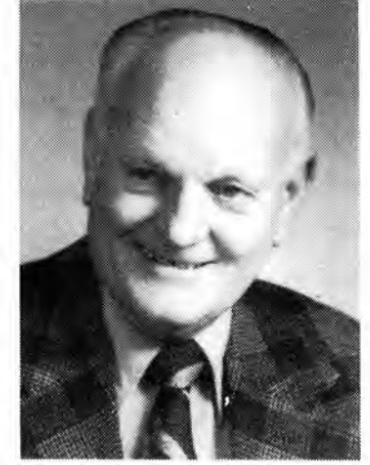
Otmar Stuetzer — 2440 10



Gene Mead — 1523 20



Nina Clark — 7115 15



Vern McNabney — 8252 25



Richard Hodges — 3148 20



Mel Vick — 2643 25



Ben Gardiner — 7121 20



Jose Suazo — 7517 25



Arthur Littleford — 2317 15



Harold Keith — 2433 25



Phyllis White — 2320 10



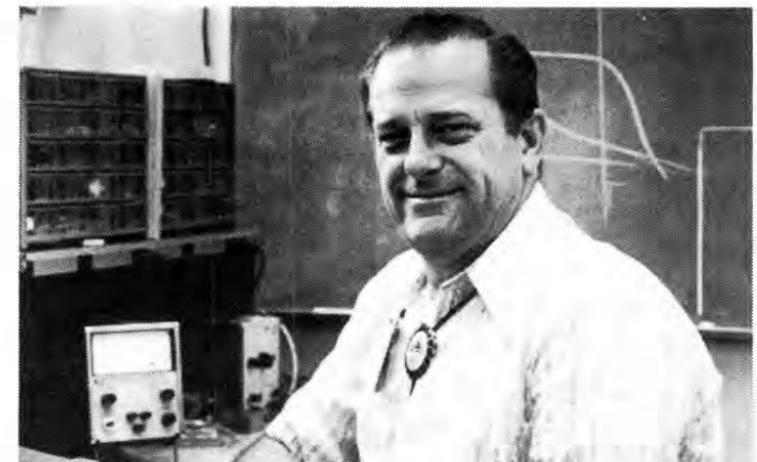
Vera Chandler — 8433 10



Henry Neues — 9516 15



Charles Gumley — 2433 20



Eugene Zucuskie — 2336 10



Edward Roche — 7123 15



Ernie Jaramillo — 7515 15



Ellis Heustess — 9481 10



Juan Marquez — 7518 10



Book Power

South 10 Is Cavity Lane

Ruth Bontrager (4251) is chairman of something called the South Highway 10/14 Village Project, an enterprise aimed at helping people in the villages along that route, which is supported by Sandians in organizations 3100 and 4200. The Project has always been a people-to-people affair, with people from Sandia visiting the people in the villages, mostly around Christmas, to distribute foodstuffs, clothing, medicine and the like. Funds are raised by several means, but for many Sandians the most visible fund raiser has been the LAB NEWS book rack, placed outside our office (802-100) each day at noon. Donated books are sold for 25 cents and 35 cents, a good deal for buyer and seller, and at five or six bucks a day the book rack is doing nicely, thank you.

Have you been to Chilili? Or Tajique, or Torreon? On several occasions friends have accompanied me on visits to village families. For most the visits are a shock: It's possible to comprehend poverty on an intellectual, abstract level, yet the encounter with people who are underfed, under-doctored, badly housed, and forever wearing someone else's discards is a wrenching experience.

In April Ruth reports that the South 10 Project took a more ambitious step when it contracted with the State for two mobile dental units (@ \$100/day). Object: to give dental care to 70 or so children from the villages. Pictures on this page show the dentist/child confrontations. Drs. Pollock and McGugin concurred — they had never seen such bad teeth, an understandable observation since many of the children had never before seen a dentist. The dentists spent

four days filling, extracting, cleaning and fluoriding but much work remains to be done on many children, and the Project is currently looking at ways to get costly dental work at bargain prices (send ideas to Ruth).

As a bonus to the dental work (though some children might take exception to the phrasing), a group of third and fourth year/medical students at UNM conducted fairly thorough physical exams of each child. The exam included urinalysis, a TB patch test, and discussion of the child's medical

history with a parent. The medical students were rounded up by John Davenport, a former Sandia engineer who is now completing his third year at med school. As with the dentists, the child's encounter with the medical student was his first brush with a medical person in many instances. Here too conditions were discovered that need further diagnosis or treatment, and the Project is investigating ways and means.

In the meantime, buy more books at your friendly LAB NEWS book rack. •js



Medical student John Davenport (a former Sandian) discusses medical history with Paul.



Debbie



Dental ass't. Ron Kike and Dr. McGugin work on a young patient. Incidence of decay was extremely high.

Authors

R.A. Graham (5132), "Strain Dependence of the Piezoelectric Polarization of Z-Cut Lithium Niobate," Vol. 12, No. 6, SOLID STATE COMMUNICATIONS.
 L.F. Shampine (5122), "Local Extrapolation in the Solution of Ordinary Differential Equations," Vol. 27, No. 121, MATHEMATICS OF COMPUTATION.
 R.W. Rohde and T.V. Nordstrom (both 5531), "On Stress Relaxation Experiments," Vol. 7, No. 3, SCRIPTA METALLURGICA.
 R.T. Meyer (5324), "An Explosively Actuated Reaction Vessel," Vol. 106, No. 3, NUCLEAR INSTRUMENTS AND METHODS.

B.M. Bulmer (5628), "Flight Test Correlation Technique for Turbulent Base Heat Transfer with Low Ablation," Vol. 10, No. 3, JOURNAL OF SPACECRAFT AND ROCKETS.
 A. Narath (5000) and D.C. Barham (5151), "Nuclear Magnetic Resonance of ⁵⁹Co in Dilute AuCo Alloys," Vol. 7, No. 5, PHYSICAL REVIEW B.
 C.B. Norris (5112), "Optimum Design of Electron Beam Semiconductor Linear Lowpass Amplifiers. Part I. Bandwidth and Risetime," Vol. ED-20, IEEE Transactions on ELECTRON DEVICES.

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

CLASSIFIED ADVERTISING
 Deadline: Friday noon prior to week of publication unless changed by holiday.
 A maximum of 125 ads will be accepted for each issue.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Laboratories and AEC employees only
6. No commercial ads, please
7. Include name and organization
8. Housing listed here for rent or sale is available for occupancy without regard to race, creed, color, or national origin

MISCELLANEOUS

BATH CARPET, 4.5 x 8, Sears sculptured, foam backing, avocado leaf, never been used, \$30. Condit, 281-3788.
 DINING SET, modern French provincial, \$175; bedroom set, blond-oak, includes king-size bed, \$165; other misc. furniture. Opperman, 298-8317.
 AKC REG. Beagle puppies, 3 males, 2 females. Bartel, 296-5270.
 FLEXSTEEL Early American sofa & chair w/slip covers, \$50; corner table, \$10. Berg, 299-7334.
 '72 VINDALE mobile home, 14' x 70', 2-bdr., 2 baths, w/attached dbl. carport & awning. Heister, 294-4321.
 800 X 14" WHEEL, \$2; port. camp toilet, \$1.50; grass shears, \$1. Mills, 299-2130.
 GOLF CART, \$12; crib mattress, \$2. Laramore, 299-6941.
 CAIRN TERRIERS: AKC puppies sired by U.S./Canadian/Mexican champion; long championship bloodlines, available now. McElmoyle, 268-6532.
 REFRIGERATOR, Hotpoint, 18 cu. ft., brown, lg. frozen food section, \$75. Beard, 296-8449.
 THIRD SEAT for Chevy carryall, '72 & earlier, white vinyl. Norris, 264-1455.
 MEXICAN CHESS SET, Malaki, \$25; children's carved chairs, \$7 ea.; Roman foot stools, \$15 ea. Butler, 296-8095.
 POOL TABLE, cues, balls, ping pong table top, \$75. Binder, 299-2937.
 TYPEWRITER, IBM elec., 14" carriage, elite type, model 11C, \$100. Rainhart, 299-2887.
 JIM DANDY SWING SET for up to 5 yrs., \$18; Tappan elec. range w/cabinet, \$75; baby changing table, \$6. Campbell, 268-8445.
 FREE PUPPY, small dog, Brittany Spaniel and Australian sheep dog mix, 4 mos. old. Holloway, 898-2110.
 AIR CONDITIONER, window unit, Sears 14,000 BTU, 3-spd. fan, 220V, \$75. Giovanis, 296-2839 after 5.
 TRAILER, 4 x 8 box, 2-wheel utility type, rough condition, \$25. Bartlett, 299-4861
 RETRACTABLE CLOTHES DRYER: 5 3/4' lines, still in carton, new \$24.95, sell for \$13 or trade for good hand lawn mower. Wilson, 344-5373.
 MAGNAVOX HIFI w/sep. ext. spkr., needs work, \$35; orig. Slim Gym, \$35; sheep herder stove, as is, \$5. Graylin, 268-6579 after 3.

ORGAN, Wurlitzer model 4300, 4 yrs. old, \$1195. Konkell, 299-5108.
 10" RADIAL ARM SAW; 12" wood lathe; 7" elec. hand saw; 3" belt sander. Eaves, 11500 Tomasita Ct. NE.
 HEATHKIT stereo headphones; white footstool; metal table legs; Heathkit transistor radio; Sunbeam deep-fat fryer; power lawn mower. Bonzon, 296-3022.
 8 X 12 TENT, \$35; folding table, \$5; cots, \$1 to \$5; air mattresses, \$2 to \$5; sleeping bag, \$10; camp toilet, \$5; tarps, \$2 to \$6. Pope, 816 Val Verde SE, 255-6702.
 HORSE, gelding, AQAK 6-yr.-old; Rosenthal Continental china; Gense stainless steel flatware; Sawyer 35mm slide projector. Weidman, 898-0331.
 REFRIGERATOR, Coldspot, copper-tone, 18 cu. ft., frostless, adjustable door left or right, \$225; bed frame, makes twin or dbl., \$15. Phelps, 344-0441 after 5:30
 S&W 38 M&P heavy barrel Model 10; Winchester Model 92 25-20; Remington model 700 22-250 w/K6 Weaver scope; pickup bed trailer. Hermesmeier, 268-1135.
 TRACTOR IMPLEMENTS, disc, \$60; blade, \$65; mower, \$75; Golden retriever pup, male, AKC & OFA, \$75. Pryor, 344-2931.
 QUALITY walnut console piano, \$500, includes \$100 sheet music. Mattina, 299-7060.
 TOMATO PLANTS: Beefsteak, \$1/doz., Beefmaster, \$1.25/doz.; carnation plants, 20 cents ea. or 6 for \$1. Kroth, 268-4661, 2933 Dakota NE.
 ROYAL manual typewriter, table included; std. dbl. bed foam mattress w/box spring. Cox, 268-5629.
 COSCO folding high chair, \$7; booster seat, \$2; umbrella clothesline, \$5; misc. curtains, 2 wrought iron chandeliers, \$15 ea. Magnani, 299-8693.
 35MM CAMERA: Voightlander Ultramatic SLR, f2.8 auto. or manual lens w/built-in light metering, interchangeable lenses, leather case, flash gun, \$95. Browning, 299-6384.
 PLAYPEN, wood, sturdy, \$4; 6-yr. crib & mattress, \$15; bumper pad, \$2; stroller, \$3; infant seat, \$3; wood gate, \$1.50. Dahlgren, 298-8168.
 120,000 FEET of professional quality magnetic recording tape, 1 1/2 mil, std. width on 7" & 10 1/2" diameter reels, \$50. Snelling, 268-5895.
 20-TON hydraulic press w/adapters, 1 yr. old, \$335. Jordan, 255-7000.
 GARAGE SALE: May 5, 9 a.m. to 5 p.m., adult clothing, housewares, elec. dryer, odds & ends. Hobbs, 268-6461.
 MOBILE HOME, 1972 2-bdr., 12 x 52', completely furnished including washer & dryer, set up & skirted in Four Hills Mobile

Home Park. Havshalter, 299-3321.
 18" HOMCO reel-type lawn mower, needs sharpening, \$20. Wyant, 298-0371.
 BRONZE TONE Kenmore elec. range, self-cleaning oven, 2 yrs. old, 30", \$160. Young, 243-3110.
 4 MAGNUM 500 14x6 wheels; 5 bolts; 4 1/2 bolt circle, fits Dodge or Ford. Reger, 268-9358.
 TWO rabbit hutches w/rabbits, \$7 ea. Boverie, 255-1071.
 10' TRAVEL QUEEN camper, sleeps 4, stove, sink, ice box, furnace, jacks, toilet w/holding tank, closet, \$1175. Cason, 299-8443, 9505 Euclid NE.
 GARAGE DOOR, metal 7'11" wide x 6'10" high, \$35 complete w/hardware. Ussery, 296-0175.
 9 X 9 UMBRELLA TENT. Burchett, 299-1689.
 GARRARD turntable motor, new, \$5; Slim-Gym type exerciser, \$12; electronic parts cabinets, \$2 ea.; round rug, \$5. Schubeck, 298-6697.
 1970 ROADRUNNER vacation trailer, 17', monomatic, sleeps 6, see & make offer or trade for boat, motor & trailer. MacDougall, 299-8496.
 5-PIECE Ludwig drum set w/cymbals & cases. Swanson, 256-3693.
 TORO reel, power mower, \$30; novelty wheelbarrow barbecue, \$3. Chandler, 296-3323.
 QUEEN MATTRESS & BOX SPRINGS, 5 mos. new, \$125; Whirlpool dishwasher, \$150; front loading washer, \$25. Lassiter, 298-2461.
 SADDLE, Colorado western roping, 15" size, 3-yr.-old, \$125 or best offer; boots, bits, shirts. Lynne, 898-5224, Corrales.
 5-SPEED BOY'S BIKE; elec. stove & refrig., sell or trade for photographic enlarger. Fisher, 299-9235.
 JEEP ENGINE, 4-cyl., flathead w/accessories, runs & sounds good, \$90. Shinkle, 299-8486.
 '67 AUSTIN HEALEY MK III 3000, new top, \$2500. Nelson, 299-6284.

TRANSPORTATION
 TRACTOR, Ford 9 N, rear blade, \$900; new pre-hung exterior wood door, 3-wide, \$30. Workhoven, 281-3246.
 '60 FORD, std. shift, will consider best offer. Metzgar, 242-1028.
 '70 BRONCO, V8 engine, hubs, consider older 4-wd in trade. Flowers, 281-3458.
 '67 CHEVROLET Impala super sport, PS, bucket seats, 396 cu. in. engine, turbo hydromatic trans. Burchett, 299-1689.
 '54 CHEVY sedan delivery, \$50; spare engine also. Otero, 294-0060.
 GIRL'S 24" Schwinn, \$15; child's X-15 Varoom cycle, \$7.50; bird cage, \$2. Jones, 299-9480.
 '72 OLDSMOBILE Delta Royale, less than 8000 miles, \$3900 or

make offer. Bland, 298-8459.
 SCOUT, \$900, 60,000 miles, late 1963, 4-wd. Baxter, 1610 Bayita Lane NW, 344-7601.
 '72 YAMAHA 100, \$450. Hall, 299-0009.
 '61 DODGE POLARA HT, 318 V8, AT, PS, PB, radio, new wide track tires, new seat covers, \$295. Deller, 298-5705.
 '67 OLDSMOBILE, 442 professionally rebuilt engine & trans., 4000 miles ago. Prevender, 299-5253.
 '71 YAMAHA 200, 750 miles, \$475. Botin, 255-3281.
 '68 STARCRAFT WHALER, 15 1/2' fiberglass, trailer, 35 Mercury motor, elec. start. Wolf, 298-7343, 1804 Elizabeth NE.
 '71 YAMAHA 175 Trail Bike, blue, many extras. Fox, 299-9031.
 '59 FORD wagon, new tires, clutch & Die Hard battery, \$250 or trade for old truck. Bachand, 299-5167.
 '66 FORD Falcon, red, new paint job, recently overhauled, new tires, air & radio. Whiteman, 266-1253 after 5.
 TRUCK & TRAILER RIG for medium to lg. family, '72 International crewcab w/camper cover mated to a 19' self-contained Winnebago travel trailer. Hillman, 299-8434 evenings.
 '71 KAWASAKI MACH 3, \$650. Rodriguez, 265-5192.
 '72 KAWASAKI 350 motorcycle, 1200 miles, 8 mos. old, red, \$750 or best offer. Apodaca, 296-6484.
 '67 MERCURY 4-dr. HT, AT, PS, PB, AC, 65,000 miles, \$650. Dean, 296-3264 after 6.
 '71 KAWASAKI 500, 3000 miles, \$675; '68 Honda 350 dirt or street motorcycle, \$275. Mason, 299-2836.
 '55 METRO INTERNATIONAL walk in van, new valve job, converted to sleeper, w/radio & stereo, \$450. Gorney, 299-8901.
 '67 FORD Country Squire, PS, PB, AC, 67,000 miles, \$825. Brown, 296-9009.
 TRADE '69 Chevelle Malibu, std. trans., 2-dr. HT, V8-307 for a 2-3 yr. old stn. wgn., w/AC. Waddoups, 865-7952.
 '71 VW Squareback, 25,000 miles, \$1775. John, 265-1620.
 '65 MUSTANG w/289 engine, AT, AC, chrome valve covers, \$550. Laskar, 299-1024.

REAL ESTATE
 SUBDIVIDABLE LAND, 15 acres near Golden or 20 acres near Madrid, 2% minimum down. McGuckin, 299-1342.
 MOSSMAN 3-bdr., den, dbl. garage, fp, new carpet, drapes, lg. down, near everything, 2917 Dakota NE. Henderson, 256-1355.
 10 ACRES near Los Lunas, view, elec. available, no irrigation, all or half at \$1500 per acre. Farnsworth, 296-8372.
 10 ACRES mountain property,

view, trees, 30 mins. from Abq., \$7000 or trade for equity on NE Heights home. Gallo, 296-0112.
 ACRE LOT, 5 miles south of 66 on 217, view, cash or terms. Brown, 296-5949.

WANTED
 MAINTENANCE MANUAL for 1963 Ford Falcon. Donohoe, 299-4076.
 BOY'S BIKE for Model Cities boy (no racers), will pay \$25. Peralta, 266-4823.
 1 P-1 dolly casters, 8" solid rubber tired wheels, swivel base desired. Blackmon, 298-2095.
 TO RENT furnished housing June 10 to Aug. 10 by visiting professor & family. Contact Bartel, 296-5270.
 FOR LAB NEWS picture feature — unusual pets; call Norma, ext. 7843.
 HOUSE-SITTING for graduate student & wife to be in Albq. from May 20 to Sept. 1. Huff, 296-7977.
 CONCRETE MIXER; contractor's wheelbarrow, must be in good condition. Reed, 299-7425.
 OLD player-piano, any condition, working or not. Sander, 299-5761.
 FLOOR OR TABLE model drill press. Wilkinson, 299-8327.
 UTILITY TRAILER w/box or tilt boat trailer, about 500 lbs. capacity, for 14' fishing boat. MacDougall, 299-8496.
 GOOD USED WOOD or metal lathe. Grant, 255-6105, 405 Palomas Dr. NE.
 SECTIONAL HIDE-A-BED COUCH; water ski belts & vests & ropes. Chandler, 296-3323.

WORK WANTED
 TEENAGER wants job working w/animals this summer, full or part time. Lynne Meyer, 898-5224.

FOR RENT
 FURNISHED 1 & 2-bdr. apts., available now at reduced rent, new, deluxe features, convenient location, from \$135. 217 Penn. NE, Apt. E, 266-3955.
 2-BDR. HOUSE on 103 acres in Manzanos, Hyw. 10 south 11 miles. Rusty, 255-0568.

LOST AND FOUND
 LOST — Film cartridge can containing small camera parts, pink loop earring. LOST AND FOUND, tel. 264-2757. Bldg. 832.
 FOUND — Peach chiffon scarf, clip-on sunglasses, 15-yr. SC tie clasp, man's black leather gloves, small black pocketknife. LOST AND FOUND, tel. 264-2757. Bldg. 832.

Mexican Fiesta Set May 19



FAMILY VAUDEVILLE NIGHT Saturday, May 12, will feature a stage show by a couple of young singer-guitar players named Kay Kay and John. The movie, starring Tom Poston, is called "Zotz" — a magic word, according to the publicity blurb, which turns old Tom into a secret weapon. Lots of laughs. The fun starts at 6 p.m. and it's free to members and families.

CINEMA CLASSIC on Wednesday, May 16, stars Humphrey Bogart and Claire Trevor in "Key Largo," a great action picture with the champ himself. It starts at 7:30 p.m. with a Betty Boop cartoon and a Three Stooges short. Admission is free to members.

TICKET DEADLINE for the Mexican Fiesta is Monday, May 14. This is a biggie

"SAFETY HINTS"
MOWING 1ST. CLEAN THE GRASS!
OF DEBRIS!



with two shows by Graciela Flores scheduled, dancing to Sol Chavez and the mighty Duke City Brass, and a fantastic Rio Grande-style Mexican food spread by Club manager Jim Schultz. The event is set for Saturday, May 19, and member tickets sell for \$3.75, guests \$4.75. Get yours early.

SANADO WOMEN will turn the Coronado Club into a frontier Alaskan saloon tomorrow for "A Night at the Malamute." Elaborate decorations will serve as a backdrop for the introduction of Mrs. Harold Gustafson, new Sanado president, and members of the new board. Cocktail hour starts at 6:30, presentation at 7:30 and dinner at 8. The Four Keys will play for dancing.

Sanado artists will display and sell their work on the Winrock Mall May 9-12.

TRAVEL NEWS — The dates have been changed for the Mediterranean Cruise. It's now scheduled Oct. 14 to 29 and includes seven days at the Hotel Bellver in Palma de Majorca and then a week visiting the ports of Bizerte, Palermo, Naples, Genoa, Cannes and Barcelona as part of a cruise on the RHMS Queen Frederika. Prices start at \$699. Bud Wheeler, Club travel director, says that if 100 sign up, then the price would be \$649 per

person. This trip is open to friends and relatives of Club members. A \$100 deposit is due now, the balance by July 31.

About 20 seats remain on the trip to Mazatlan scheduled Nov. 12-19. The first trip, Nov. 5-12, is completely sold. At \$216, Mazatlan is the Club's favorite vacation buy.



DECORATIONS for Sanado's "A Night at the Malamute" tomorrow include this above-the-bar painting by Bertie Dye. The Club plans a rip-roaring return to frontier days as part of the celebration honoring new Sanado officers.

Events Calendar

May 3-5 — Southwest Indian Arts Festival, Convention Center, 1-9 p.m.
May 3-6, 10-13 — Classics Theatre Company, Shakespeare's "Twelfth Night," 8 p.m., Fine Arts Center, U. of A.
May 4-6, 8-13 — Albuquerque Little Theater, "Kind Lady," 8 p.m.
May 5 — Cinco de Mayo Celebration, Old Town Plaza.
May 5-6 — Youth Arts & Crafts Fair, Old Town.
May 5 — Sandia Bike Ass'n., tour to Madrid and back, 50 miles, meet intersection of N10 and 44, 10:30 a.m.
May 6 — UNM Chamber Orchestra Concert, Keller Hall, 4 p.m.
May 6 — Albuquerque Youth Symphony, 8:15 p.m., Popejoy Hall.

May 6 and 12 — SBA, easy rider tour around Base, meet at Coronado Club, 3 p.m.
May 7 — Chicago Symphony, 8:15 p.m., Popejoy Hall.
May 8 — "Tamburitzans" — folk dancing, singing, 8:15 p.m., Popejoy Hall.
May 8 — N.M. Music Festival — celebrating Golden Anniversary of National Music Week — includes Mariachis, Indian dancers, Youth Symphony, Civic Ballet, United Choirs, Sweet Adelines; free admission, 8 p.m., Civic Auditorium.
May 13 — SBA, tour to Moriarty on 66 frontage road, meet at Sedillo exit, 10 a.m.
May 14-15 — Taos Pueblo, San Ysidro Festival, blessing of the fields, candlelight procession May 15.