Afterthoughts

Ploy revealed -- The Office Procedures Manual, that somber collection of rectitude, is trying to put one over on us. Recently there’s been issued a Section 3 (very significant!) for OPM entitled “Abbreviations,” and there are things on that list that don’t exist in this world. To wit: bel, sho, neper, oersted, siemens, tesla, var, weber and -- our favorite -- poise. Such a put on! We decided their sly game is to see if anyone actually looks through this l-page listing. What happened is they picked up these words from an old Gothic about Transylvania, and we finally traced down the passage. Here’s how it reads: "As the mad Count von Oersted and his henchman Tesla nepered the cringing, multi-limbed var, not one but both siemens began to bubble furiously. The webered Bel, poise akimbo, screamed pitifully, "Why no?"

* * *

Sky is falling dept. -- Larry Chavez (3725) sends us an item that says something about your world and mine: "The Journal of Environmental Health has recently warned that an improperly shielded pocket calculator can explode. Researchers have found that any metal object that inadvertently comes in contact with the unprotected battery charge contact points will cause a thermal runaway. This in turn shorts out the nickel-cadmium batteries, and an explosion with enough force to knock a person down will result. Even the lead of a pencil can cause a thermal runaway."

* * *

Well, you can always try low life -- "There is no more mistaken path to happiness than worldliness, revelry, high life." Schopenhauer, Our Relation To Ourselves #39

Events Calendar

Dec. 22-24—UNM Collegiate Singers will carol at Old Town Plaza, 7-9 p.m.

If you feel like you’re at the bottom of the heap, take hope, Joe Engleberger, President of Unimation Inc., a robot company, says. "I look at this from the sociological viewpoint. There’s nobody to look down on anymore. But these robots are definitely not equal to people."

Retiring

Bob Flaxbort (9710)
Al Miller (9563)
Merritt Hummer (9563)

George Thorne (3512)
Bill Kingsley (3310)
Roy Mitchell (9563)

Credit Union Reporter

Season's Greetings From CU

The Board of Directors of the Credit Union is pleased to announce a bonus dividend for the last quarter of 1977 and an interest refund to those who borrowed money during 1977. The bonus dividend is ½ of one percent. This, added to the 6.5% dividend declared for the quarter, equates to a 7.0% dividend for the quarter to all shareholders of record on December 31st. As usual, the dividend will be posted to all accounts on the first working day of 1978. The interest refund will be 5% of interest paid during 1977 to shareholders of record at the end of each quarter of 1977. The refund will be computed and posted to the share accounts December 31st.

During the past year, the law covering Credit Union reserves was modified to require a smaller reserve. This resulted in a one-time surplus of money in our Credit Union. The Board of Directors felt it appropriate to divide the surplus between borrowers and savers since both are responsible for our successful Credit Union.

The Board of Directors and the staff of the Credit Union wish you all a Merry Christmas and a happy and prosperous new year.

Clarence Sandy, President
Board of Directors

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john sweeney is editor
chuck cockrell & norma taylor write
bill lasker does picture work
so does russell smith

bruce haukison & lorena schneider report livermore
Supervisory Appointment

John Barnhouse, supervisor of Computer Operations Section, 8523-1, effective Dec. 1. Joining Sandia/Livermore in 1961, John worked in ozalid, receiving and transportation dispatch organizations for eight years before transferring to the Computing Division as a systems programmer. In 1976 he was promoted to computer operations coordinators, a certificate from Chabot College. In 1980 he was promoted to computer operations coordinator.

John has an AA degree in business administration, a certificate from Chabot College, and currently attends Cal State/Hayward. His military service includes six months active duty in the Air Force and five-and-a-half years in the Air Force Reserve.

Off the job, he enjoys golf, photography and playing his electric organ. He, his wife Donna, and their three children, twin sons and a daughter, live on Roxanne Street in Livermore.

Fusion Is Subject of International Exchange

Walt Bauer (8547) returned recently from visits to research institutes in the Soviet Union, Germany and France. Walt serves as chairman of the Plasma-Materials Interaction Task Group formed last year by DOE to study surface problems relating to the practical application of magnetic fusion energy. Representatives from DOE, Oak Ridge National Laboratory and Princeton Plasma Physics Laboratory accompanied Walt.

Purpose was to assess these countries’ research into the complex plasma-materials interaction phenomena which occur at first wall surfaces in fusion devices. In addition, the second information exchange on plasma-material interaction took place at the Kurchatov Institute in Moscow.

Soviet papers presented at the Institute were devoted primarily to helium blistering and impurity behavior in Tokamaks. Walt reports that the Russians are pursuing an aggressive surface effects program and are skillfully using the latest U.S. and European information to minimize impurity contamination from walls and limiters of their Tokamaks. However, their hydrogen and helium implantation for fusion are limited in scope.

Walt presented two papers at Kurchatov Institute—one authored by Ken Wilson (8347), “Multiple Energy He Implantation of Stainless Steel”; the other authored with Ken and George Thom (also 8347), “He Bombardment of Aluminum Coatings and Plasma Sprayed Beryllium.”

The group also visited the Balkov Institute in Moscow (principal metallurgical center in the U.S.S.R.), the Efremov Institute in Leningrad, the Institut fur Plasmafysik in Garching, Germany, and the Fontenay-aux-Roses in Paris.

After 35 Years, No More Switchboard

“I like talking to people,” says Bertha Frick (8435). It’s a good thing. As Sandia’s switchboard operator, she talks to well over 200 people a day.

Bertha began her “number please” career with the phone company in Livermore 35 years ago. When the operator function was transferred to Hayward, she had 14 years of service so she transferred too.

After three years, commuting to Hayward became intolerable. She applied at S.L.L. and, 18 years ago, became one of four switchboard operators.

She was the only one left a couple of weeks ago when the new Centrex system came in and the last switchboard went out. “I’ll be around for awhile,” she says, “but I’m down to a six button phone, intercepting calls to our old number and offering assistance. I think it’s important to have a person in the system somewhere—it’s a dead end otherwise.” She still provides fast service; she knows several hundred people’s phone numbers by heart.

Joan Madsen Is CowBelle-of-the-Year

“Ranching is a very rewarding life, but it’s getting harder for the small family ranches to hold on,” says Joan Madsen, chosen CowBelle-of-the-Year by the Alameda County CowBelles. As the women’s auxiliary of the Cattlemen’s Association, the CowBelles’ main interest is in the beef industry and its promotion through consumer education.

Joan has been at Sandia/Livermore for 18 years, first as a secretary and for the past two years as a graphics programmer. She works with computer graphics, digitizing and plotting printed wiring boards and integrated circuits, making the masters for printed circuit boards.

An active CowBelle member since 1965, she has served locally as parliamentarian, historian, vice president and, most recently, president of the 150-member Alameda County chapter. She is current membership chairman.

A city dweller, Joan discovered ranch life when she married her rancher husband Louis. They live and own property on Mines Road and lease additional acreage on Tassajara Road. They also own property in Northern California where they run steers during the summer.

Ranching can be frustrating, she reports. Citing the last several years waiting for rain to end the drought. Range conditions and the cost of hay and grain have taxed the Madsens to sell many of their cattle. "I’m in sympathy with the consumer," she comments. "But most people don’t realize the cost of producing a beef animal."

Sympathy

To Marty Abrams (8124) on the death of his father in Fort Lauderdale, Fla., Nov. 17.

To Lee Ann Hubbs (8325) on the death of her father in Pleasanton, Nov. 30.

To Bill Ashurst (8554) on the death of his father-in-law in Fresno, Nov. 29.

To Joe Bradshaw (8413) on the death of his father-in-law in San Antonio, Texas, Nov. 6.

To Joyce Doyal (8250) on the death of her mother-in-law in Jackson, Calif., Nov. 8.
Supervisory Appointments

MAX NEWSOM to manager of Exploratory Systems Department 1320, effective Dec. 1.

For the past five years Max has headed Drilling Projects Division 5735, which has been concerned with the development of new technology for the geothermal and petroleum industries. The division also had responsibility for DOE’s Geothermal Well Technology Program.

Max joined Sandia in June 1956 after earning BS and MS degrees from Texas A&M in EE. His first work at Sandia was in electrical systems development. He was electrical systems project engineer for the development of the Pershing missile warhead.

In 1964 he moved to exploratory systems to head a division developing command and control and tactical delivery systems. He worked on the Jigsaw, Tiger, Rumper, PAL and PAPS programs.

Leisure time Max spends on Coronado Club activities—he’s serving his fourth term as Club president—and coaching a Young America Football League team. He’s also on the YAFI Board of Directors. In the winter Max skis; summers he grows roses.

Max and his wife Rose Marie have four children—one a nurse, two in college and one teenager at their home on Eastridge Ct. NE.

CHARLIE BURKS to manager of Systems Development Department I, 4310, effective Dec. 1.

Since December 1966, Charlie has headed several divisions in Systems Development 4300.

He joined Sandia in July 1954 after earning a BS degree in EE at the University of Missouri. Early assignments included systems engineering on the Mk7, Mk28 and Mk45 weapons. After four years of exploratory development work, he returned to systems engineering to head a weapons development group.

Until last year Charlie owned his own plane and did a lot of flying. Nowadays he jogs—about four miles every day.

He and his wife Sally have four children—a married daughter, one in college and two teenagers at home on Bear Canyon Rd. NE.

DON HABING to supervisor of MOS-ICS Division 2116, effective Dec. 1. Except for recent months spent with Division 1754, a Safeguards group, Don has been a designer of CMOS integrated circuits in Division 2116 since 1973. Earlier, he worked with a research group studying radiation effects on electronics and in a component development division.

He joined Sandia in August 1961 after completing an MS in EE at the University of Illinois. Don had earlier attended DeVry Technical Institute in Chicago and then spent two years in the Army Signal Corps at Ft. Huachurca, Arizona.

At home Don considers himself a “do-it-yourselfer,” tackling any project from new additions to car repair. He and his wife Ruth have two daughters and two sons—all teenagers—and they live on Moontree Ct. NE.

Speakers

R. E. Loehman (5844). “Silicon Nitride Ceramics.” Ceramic Research Seminar, Nov. 21-22, SLL.

Sympathy

To Robert Nagel (2335) on the death of his father in Neligh, Neb., Nov. 28.

To Tom Hinkbein (5842) on the death of his father in Kentucky, Dec. 5.
Christmas '77 At The Labs

Many people at Sandia contribute to Christmas projects in their organizations. The projects—some formal, some not so formal—universally aim at making the holiday brighter for a family or a child whose prospects and fortunes are at low ebb. Here are a few of these projects.

Org. 9600 Christmas Project—Now in its 21st year, this project uses its donated monies to buy a week's groceries, including a Christmas dinner, for 24 families. Names of the families are provided by the Salvation Army. The goodies are distributed by people in 9600 on Dec. 23. Priscilla White (9651) and Ed Garcia (9657) are co-chairmen of this year's project.

Shoes for Kids—Another project with a long tradition (20 years), Shoes for Kids is sponsored by Org. 1200 and chaired by George Bradley (1222) and Dick Vivian (1211). Last year the group purchased shoes for 87 youngsters but this year was able to increase that number to 150. Funds are donated by people in the 1200 and other organizations. The kids, from several elementary schools in the city, were bussed up to Kinney's Shoes on Central this week for a mass fitting. Kinney's gets into the spirit of the thing and offers the shoes at discounted prices.

South Highway 14 Village Project—This year, in addition to helping villagers along South 14, the project has provided assistance to the 15 or so boys who reside at the Villa Santa Maria in the small community of Cedar Crest on Highway 14. The boys generally come from less-than-happy homes, are referred to the Villa by a social worker, and some have emotional problems. Project money is buying softball gloves and bats and helping to buy a color TV set for the Villa's recreation room.

Some 25 families in the villages of Escabosa, Chililit, Tajique, Torreon and Manzano are receiving Christmas boxes which include food, new and donated clothing and other household items. Turkeys go to the large families, while canned hams are given to the many "singles"—usually older people living alone. Revenue comes from the used book stands located around the Labs, from luncheons and bake sales by people in Orgs. 3151 and 3152, and from donations. People in Orgs. 3162 and 3152 also work on the Project.
December 26, 1961 — Istanbul, Turkey

"Nine months sixty one was my in-between year," Ken Miller. Writer/Director in Motion Pictures (3135) told me. "I was just out of the Army and not ready for reemployment. Christmas that year was conspicuous by its absence.

After I was discharged in Frankfurt in May, I spent most of the summer touring Holland, Denmark, France and Germany on a ten-speed. In the early Fall I rode through the Swiss Alps, then toured Italy. Venier was mostly water and there nothing in Pisa to speak of but a tower—and it's badly built. Florence was noisy and winter was coming on, so I rode down the coast to Rome in the rain. I kept moving south looking for warmer weather. There wasn't any in Italy so I sailed for Piraeus, the port city of Athens. To satisfy a dream, I stood in the shadow of the Parthenon—and then went island hopping, arriving in Agios Nikolaos on Crete in mid-November. The day before the feast of St. Nicholas, I swam that afternoon in the Aegean and sunbathed until I was about a month old, but the natives only shook their heads and smiled. 'Enjoy today,' they said. 'Tomorrow winter ends.'

That was hard to believe under those cloudless skies, but the locals knew the weather and their patron saint. The next afternoon the sunlit skies turned black and it began to rain and blow. Winter had come.

I went back to Athens and rode slowly up the coast of Greece to Thessaloniki and then on east toward Turkey. I wanted to get outside Christendom for Christmas—just to see what it was like.

I ended up having a wonderful time in a little bar in Istanbul slipping wine and eating olives.

IEEE AWARD — President Sparks last week accepted IEEE's prestigious Jack A. Morton Award at a ceremony in Washington D.C. The award, sponsored by twenty semiconductor or electronics firms in Europe, Japan and the United States, carries this citation: 'For contributions to solid state device technology and the management of research and development.' Describing Mr. Sparks' background, the presentation noted his work at Bell Labs. "Under his direction much of the early work on solid state diffusion was done. These techniques now underlie the entire transistor and integrated circuit industry."
BIDS ARE GETTING BIGGER—When the Labs asked for bids on a new computer system to replace the present 1108, three companies responded—with a total of 48 boxes of bid material. Now comes the hard part, and Dolly Dollebon (3714) from Purchasing and Craig Jones (2647) from the Computer area face the job of coordinating evaluation. A recommendation for the contract award should be made by April 78.

Need luminarias? The boy Scouts are selling them, $1.50/dozen picked up at St. Paul's Church, 9500 Constitution NE, or $1.75/dozen delivered in quantities of 3-dozen or more. Orders will be filled on Dec. 17 and 24. To order: 296-6070, 299-4127, 298-3276, 296-7457.

Take Note

Attention MTS’s: Today is the last day for enrollment in In-Hours Technical Course (INTEC) for the spring ‘78 semester. For a copy of the catalog and more information, contact Jean Gore, 4-1047.

Back in August LAB NEWS reported that ID cards for non-employees were in the works, and the Weekly Bulletin for Dec. 8 carries details about actually getting the ID’s. Who needs the ID? Your spouse or children (over 10) who have frequent Base access—the car decal isn’t enough. Or a friend or business associate whom you are willing to sponsor. About sponsoring, bear in mind these words from our earlier article: “Essentially, the employee is responsible for the non-employee’s behavior while on base.”

New Mexico taxpayers wishing to call the Feds at IRS for information about tax matters may now do so on a new number: 243-8641.

Another number is 4-5903. It belongs to Security’s Fran Armijo, and she’s the person you call to report a traffic light hangup or other traffic problem, either on Base or off.

Last issue we mistakenly reported that C. A. Carlton (8122) runs the Environmental Information Center at Livermore. Actually, it’s Carlton “Scotty” Scott.


**Fun & Games**

*Sandia Bikers*

If you get a flat tire while at work, a supply of cold patches is available at two locations: Tom Mayer (1247) in Bldg. 880, room C-26, and LAB NEWS office in Bldg. 814. Tom also has, an assortment of bike tools purchased with SBA funds.

*Fitness For Women*

A few openings remain in the Sandia Recreation Assn's fitness class for women. The 8-week, twice-a-week sessions start Jan. 10 and run from 5 to 6 p.m. on Tuesdays and Thursdays. Present plan is to conduct the classes at the Base gym. The $10 fee covers cost of the instructor and instructional material. Call Bob Giersberg (C-Club Rec Manager) on 265-6791 if you're interested.

*Raquetball anyone?*

This game has taken off like gangbusters but suffers one stiffing flaw: no courts. The military generally preempt Base courts, and those in the city are mostly private. So Bob Giersberg (C-Club Rec Manager) would like to negotiate an agreement with the private courts under which members of the Sandia Rec Assn. could schedule court time for a fee. Bob needs info, however, on just how many Sandians might be interested in that kind of arrangement; call him on 265-6791.

*For athletes and would-be athletes*

When Ralph LaForge from Lovelace-Bataan Medical Center discussed exercise and physiology at Sandia colloquia, he played to full houses both times. Now Ralph is wondering if Sandians would be interested in his 6-session course entitled “Exercise Training in Adults—Physiological Response, Methods and Safety.” Subjects covered include metabolic and cardiovascular response to training, methods and practical aspects of exercise training, common misconceptions regarding exercise, diet and nutrition, orthopedic considerations, and more. Ralph sees this as an after-hours arrangement, scheduled according to optimum convenience of everybody. A nominal fee would cover his services and cost of books and hand-outs. If you might be interested, send your name, org., and phone number through the company mail to the LAB NEWS; this is not a commitment, only an expression of interest.

**Taking a Holiday Break**

Next issue of the LAB NEWS will be published Jan. 6. Deadline for classified ads for that issue is noon, Dec. 22.

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**Research Projectile**

High Altitude Gun Fired at TTR

A series of high altitude gun firings was recently conducted at Tonapah Test Range for the Ballistic Research Laboratory (BRL), Aberdeen Proving Grounds, Maryland. The tests are part of a development program for a new high altitude research projectile and recovery system.

The dart-like projectiles were fired from a smooth bore 5-inch gun with a special extended length barrel measuring 9.1 metres (40.5 ft.). Projectiles similar to these have been fired by BRL as part of Project HARP (High Altitude Research Project) using 5-inch, 7-inch and 16-inch guns. The projectile is 65.5mm in diameter, 1100mm long and weighs 10 kg. In the gun, pressure was maintained by a sabot around the projectile which separated from the projectile as it left the gun.

Muzzle velocities up to 1615 metres/sec were obtained. The projectiles reached apogees of 70-80 kilometres (about 50 miles) in about two minutes. Near apogee a small expeller charge deployed a metallized, two-metre-square wind-sensing parachute. This parachute was tracked down to about 7500 metres altitude to insure that the parachute did not become a hazard to commercial air traffic in the airways near TTR. This descent took about 11/2 hours. Total time of fall was about three hours.

BRL uses Tonapah Test Range for these test series under a reimbursable contract. Sandia provides data acquisition radar, tracking cameras and image motion photography. Most of this data is provided in real time.

Eighteen more firings are scheduled in January.

Harol Rarrick (9421) is test project manager; Wayne Lathrop (9473), test director. Members of the gun crew included Bob Simms, Jack Windsor and Fred Snyder (both 9473).

(Ed. note: During WWI the Germans bombarded Paris from a distance of 76 miles, using a massive cannon dubbed Big Bertha. The gun fired a 265-lb. projectile which attained a height of 24 miles. Muzzle velocity was 5000 feet per second. Accuracy was limited, and the barrel had to be replaced after 50 rounds. All things considered, Big Bertha was a remarkable achievement for its time. Primary purpose of developing a gun-fired high altitude projectile is economy—they're less expensive than rockets.)

**High Altitude Projectile**

The dart-like projectile was photographed by an image motion camera as it left the muzzle. Photo shows sabot separating from the projectile at this point of takeoff (left).
A LOST CONTACT LENS?—Well, no. It's the start of the Dept. 5240 First Annual Classic Mule, organized and characterized by John Freeman as "a heartfelt response to the LAB NEWS physical fitness campaign." The brilliance and eloquence of their performance so stimulated the crew that they are now looking for fresh meat. Challengers should contact John. (P.S.—Paul Miller, 5244, took this event with a 2:51.)

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

Westmark, 296-0198.
$110. Olson, $75; Cal. cabinet, $175; BTUH day and night ad per issue per category.
Hwy. 14 Project. LAB 299-1884.

WORDS.

lbs., 22" for occupancy without Friday noon prior to 814.

SPINET Sears manual slide Palmer, 883-3660.

MB KING NIKON

VAN

Hammond Organ

Boys ski boots. Raichle, 887-778.

MINIATURE DACHSHUNDS, set, $7.50; American & shutter ping pong for 299-285.

LARGE TROUGH, compartment inside, 540; wet, maple, top opening, 2 doors; front vent: senator, Long, 294-714.

LUMINARIA SALE, Scoop Trout 156, St. Paul's Methodist Church, 9900 Conneticu, 11.00 dozen picked up; 15.00/2 dozen delivered cold.

SHEPHERD PUPPIES, male, 1 female, Weaver mother, placed Oct. 21st to Jan. 29th or 29th.

BOYS' BELT, 22", $2.50; canvas, 22" x 19" x 10".

HAMSTER, free, under 1 year old, includes food and cage litter. Garcia, 853-2992.

RECIPE—free, air, screen awning, 476; walnut end table, 450; Ludwig drum, 120; Hoover vacuum, 450.

HOSPITAL BED, free, needs cleaning, painting and small repairs. Stuart, 309-9710.

WILLOW RIM, 12", 50 cents peep slot, 21", 30 cents. Green, 293-1825.

HAMSTER, free, under 1 year old, includes food and cage litter. Garcia, 853-2992.

BASS GUITAR, electric w/case, 2 pick-ups, 4 controls, moving amplifier 3 with inputs and tremolo foot switch, 175.

TIRE CHAINS, 700 x 13, 163; planter cart, 96; Meyer, 887-3079.

PUPPIES (Arlington-hound), 8 wks old, ready for Christmas, Montoya, 294-8272.

AMPLIFIER for microphones, 100 watts, U.S.A., need used for P.A. system, will drive speakers, 350.

DODGE DUBBS, 65, locking Berns.

LARGO WIM-DYUNG 3-dime; 45; large capacity. Seems dry shop vac, with case, all attachments, 62b, Aeschliman, 281-1277.

TOASTER, Transistor 2-ace, 46c, Knox, 294-1196.

WOODEN SHUTTERS, s/w/hardwood, 11.5" x 12; 12" x 28"; hanging light fixture, black wrought iron, 110, Russell, 399-3309.

SHIRLEY TEMPLE (large doll), original, w/doll cradle, 2 old dolls, 63 and 91, Smith, 887-1001.

BEDROOM SET, solid oak (ranch finish), desk, chair, dresser, chair (matching) 630, Roberts, 265-9027.

FIREPLACE, screen, glass, many colors, soapstone, 4-25-lb., 294-6835.

HEAT, gas, gas heater, Durham, 612-4287.

T.O., RCA, Bromwell 15/17, 293-2342.

PRESTOLITE TORCH system w/large tank and 4 tips. 1500"/roll, 28 ft. 6"/roll. B.W.V.T.V. w/stand, works but needs repair, 9.00, w/inchigger, 8 ft. prop & 20 ft. tower, 1126, Alvis, 236-2086.


TV, 19", RCA W5150D2, $115, good condition.

92" x 60" w/motor, 1909, light, 1952, 926-286.

PUPPY AKC TERRIER, show dog, pet, breeder price, chambered, 201-2992.

FIREPLACE SCREEN, brass finish w/pull chain, built-in type, approx. size 36" wide, 36 1/2" high or best offer, Plummer, 284-4327.

FIREPLACE SCREEN, brass finish w/pull chain, built-in type, approx. size 36" wide, 36 1/2" high or best offer, Plummer, 284-4327.
Coronado Club Activities

Santa at Club Tomorrow

**KIDS CHRISTMAS PARTY** starts at 10 tomorrow for youngsters under 12. The Albuquerque Boys' Choir, Ron and Mary Kay Day with puppets and Santa Claus himself will entertain. It's free to member parents and kids, but members only, please.

**LOBO BUSES** leave the Club at 6:55 p.m. for all home games (except for the Christmas tournament Dec. 29-30). Fare is 75 cents for members; $1.25 for guests. Lucky ticket holders win free drinks at the Club after the game.

**SINGLES** will party at the Club Wednesday, Dec. 21, in the El Dorado Room. A goodie-spread, eggnog, mistletoe, and music by Yolanda and Levy are included in the $3.50 tab (non-members $4).

**TRAVEL DIRECTOR** Ed Neidel (2166) announces several new travel packages including one for Jamaica starting April 30. Trip includes airfare, lodging at the Jack Tar Hotel in Ocho Rios for seven days and nights on the beach. Cost is $429 from Albuquerque. Attend the pre-trip meeting at the Club at 7:30 p.m. on Jan. 4 for the full scoop.

Disneyland—this trip planned during the Easter school vacation March 25-26 and includes Disneyland, Universal Studios and Marineland.

Israel—16 days starting March 13. A number of options are available from $795 to $1259 from Los Angeles.

**HAPPY NEW YEAR**

Hawaii—Mid-April with open options. Air Fare from Albuquerque to Honolulu for about $270.

Mediterranean Cruise—From Athens to Venice with visits at the Greek Islands, Alexandria, Cairo, Jerusalem and Dubrovnic. Airfare from Dallas, deluxe cruise ship passage, accommodations and meals. Depart June 23 for $1699.

**CORONADO WOLFPACK** travels by charter bus to El Paso Jan. 21 to attend the Lobo-UTEP game, returns the next day. Lodging, game ticket, cocktails and breakfast included in the $51 (dbl. occ.) or $65 (single). Non-Wolfpackers pay $10 extra. Deposit due Jan. 7. Call Joe Ruggles, 268-4003, or John Dean, 296-3264.

**THE CLUB** will close at 6 p.m. Dec. 24 until noon Dec. 31 when Happy Hour prices will prevail until 6 p.m. The New Year's party starts at 8 p.m., dancing at 8:30. The Club will be closed again Jan. 1 and 2, reopen Jan. 3.

Bus Notes

City bus riders will need only one dime to pay for an off-peak ride on any city bus the week before Christmas. The "Dime-Time" program begins Friday the 16th and continues through Saturday, Dec. 24, between 9 a.m. and 3:30 p.m. All fares will be a dime during this period. Regular fares will be charged before 9 a.m. and after 3:30 p.m. The concept of Dime-Time, successfully used in other cities, is to provide low-cost transportation to people who use the buses and to those who wish to avoid driving in the holiday traffic.

The Christmas shopper's free shuttle bus between the Coronado and Winrock Shopping Centers begins daily operation for the week before Christmas. Hours of operation are 10 a.m. to 6:30 p.m. except on Sunday, when the hours are 12 noon to 6 p.m. Shuttle stops are north of Penney's in Winrock and at the southeast entrance to Coronado near the Broadway store.

NEW YEAR'S PARTY tickets are still available. Pick them up ($11 per member couple, $15 guest couple) at the Club office today or tomorrow. Sue Lyon (3531) reminds you that there will be dancing upstairs and downstairs plus champagne and breakfast.

Safety in numbers.

Take stock in America.
Buy U.S. Savings Bonds.