

FAMILY

DAY

'72



Afterthoughts

5-12-72

Summertime, And The Livin' Is Boring--Like the common cold, the problem of summer idleness for teen agers is acknowledged and regretted but usually dismissed with a shrug. As problems go, it doesn't loom too large. Thus most teen agers, after the initial euphoria of just being out of school has run its course, straggle through the balance of the summer in levels of ennui.

The very poor can probably get jobs. Those whose father owns the store can probably get jobs too (although even small firms are getting edgy about nepotism). A few take typing courses and the like, usually at the behest of parents muttering about "doing something constructive," but the simple fact remains that most do nothing.

One of the best proposals I've heard of calls for the 12-month operation of the schools, with multi-week vacations at intervals through the year. You know, if schools had only been invented last week, and the inventors were sitting around deciding what their schedule would be, it's doubtful that we'd end up with this weird scheme that closes down an expensive plant for three months and simultaneously disemploys the staff so that they can contemplate genteel poverty for a while.

In any event, LAB NEWS will again accept "Work Wanted" ads from you son or daughter. Reports from last year indicate some modest success from this enterprise.

* * *

Nietzsche, Friedrich Wilhelm--"Distrust all in whom the impulse to punish is powerful." •js



One of the cuter (coyer?) people in SHE STOOPS TO CONQUER is Nigel Hey (3161) as Young Marlow. STOOPS, directed by John Gardner (3140), is at Popejoy on May 18, 19, and 21.

Family Day '72

Family Day '72

Putting together an event like Family Day is a real production. On our cover are those who have worked to insure that you and your family will have a good time tomorrow. Bring your family out. You'll enjoy it and so will they.

Here are a few last minute reminders:

Wheel Chair Routes: Class A exhibits may be seen by wheel chair visitors in the following buildings: 880, any entrance; 892, any entrance; 840, south end; 836, south; 802, enter from Security parking area between 802 and 801; 839 cafeteria; 805-6-7, ramp between 806 and 807, connections to other buildings on second floor. Avoid Areas III and V.

Guest Lists: Put your guest list and tags in the car tonight so that you won't forget them and be sure to bring your employee badge. Keep your list until you are ready to head for home on Saturday, then give it to the security inspector on the last gate you leave.

AM or PM? Many more employees indicated a preference for the morning period than the afternoon, so if you'd like to change your mind and go when it's likely to be less crowded, try the PM period. George is ordering a windless day.

Post Mortem: We hope you'll have a fine time and that everything will be pleasant and convenient, but even with the best of planning, some things are bound to go awry. If you notice anything that should be taken into account next time we have a Family Day, drop a note to Family Day Coordinator Joe Laval, 3163. He'll see that your suggestions are included in the evaluation report.

Non-Citizens: If you applied for permission to bring a non-citizen as a guest, but for some reason you don't bring the person, be sure to let Security know. They must keep a record.

Your Area: Be sure to check with your supervisor before leaving tonight to find out what hours your work area will be open for visitors.

Happy Family Day!

Supervisory Appointment



MIKE HECK to supervisor, Guidance and Control Subsystems Division 1326 (newly created), effective April 16.

Since he joined the Labs in August 1963, Mike has been assigned to Advanced Development Division 1322 where he worked on inertial devices and various other electro-mechanical components.

Mike graduated from the University of Florida in 1963 with a BS in EE. He earned

his MS in EE from UNM under Sandia's Technical Development Program.

Mike, his wife Leslie, and their two boys live at 3304 Black Hills Court NE.

Events Calendar

May 12-13 — "The Madwoman of Chaillot," West Mesa High School Auditorium, 8 p.m.

May 13 — Del Norte High School Concert, Popejoy Hall, 8 p.m.

May 14 — NM Mt. Club, Osha Peak hike, meet at Western Skies at 8 a.m.

May 14 — Albuquerque Youth Symphony, Popejoy Hall, 4 p.m.

May 14-15 — Taos Pueblo Fiesta and Candlelight Procession.

May 18, 19, 21 — Classics Theatre Company presents Oliver Goldsmith's "She Stoops To Conquer or The Mistakes of A Night," Popejoy Hall, 8:15 p.m. For reservations, 277-3121.

May 20 — Studio Tour, Pinon Branch American Pen Women. Artists studios, 1-5 p.m.: Pablita Velarde, Bette Harris, Goldie Hart, Mickey Seligman, Ester Sutin. For more information call 298-1419.

May 20 — NM Mt. Club, Manzano Peak hike, meet at Western Skies at 7 a.m.

May 21 — NM Mt. Club, Cabezon Peak, meet at Gulf Mart at 8 a.m.

May 21 — Potts Puppets, Old Town Studio, 2 p.m.

Through May 31 — Wood carvings by Tom Mickey (7154), Galeria del Sol, 206 1/2 San Felipe, NW.

Through May 31 — All Indian Art Show, N.M. State Fair Art Gallery.

Through May 31 — Maxwell Museum of Anthropology, UNM, "Chaco Canyon Exhibition," (in Ad. Bldg. - Scholes Hall).

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bruce hawkinson writes
as does norma taylor while
bill lasker takes/makes pictures
&

in livermore lorena schneider does all

LIVERMORE NEWS

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MAY 12, 1972

Mission Era In Livermore/Amador Valley

This is the second of a series of articles by Herbert Hagemann, an eighth-generation Californian, on the early history of the Livermore/Amador Valley. 1972 marks the bi-centennial year commemorating the discovery and exploration of the Valley.

The first influences of civilization to be felt as far inland as the Livermore/Amador Valley were the efforts made by the Franciscan Missionaries of Mission San José de Guadalupe.

In 1797, just 25 years after the first discovery of the Valley, the Mission was founded and the first buildings erected under the direction of Father Lasuen, President of the California Missions. The order had come from the Spanish Viceroy to establish five new missions in the chain which controlled the colonization of Alta California. A large population of Indians made the area suitable for farming and grazing. At the time of the ceremonial founding, Mission Santa Clara sent over 600 cows, plus oxen, horses, steers, and sheep. Mission Dolores sent 93 animals of various types; and Mission San Juan Bautista, 36 mules and horses. This was the beginning of the large herds which were to populate the pasture lands of Mission San José.

Lands under control of the Mission included the area west to San Francisco Bay and east into the interior — the Liver-

more/Amador Valley, the Valley of San Ramon, the surrounding hills, and parts of the Oakland area. Jurisdiction over the native Indians extended even farther into the interior, to the banks of the San Joaquin River, including areas known today as Brentwood, Tracy, and beyond. Under the direction of Father Duran after 1806, the Mission grew in size and wealth, becoming the wealthiest on the California coast. At its height, Mission San José numbered 2300 Indians; possessed 8000 head of cattle, 1100 horses, 19,000 sheep, goats and swine; and in one year harvested some 10,000 bushels of grain.

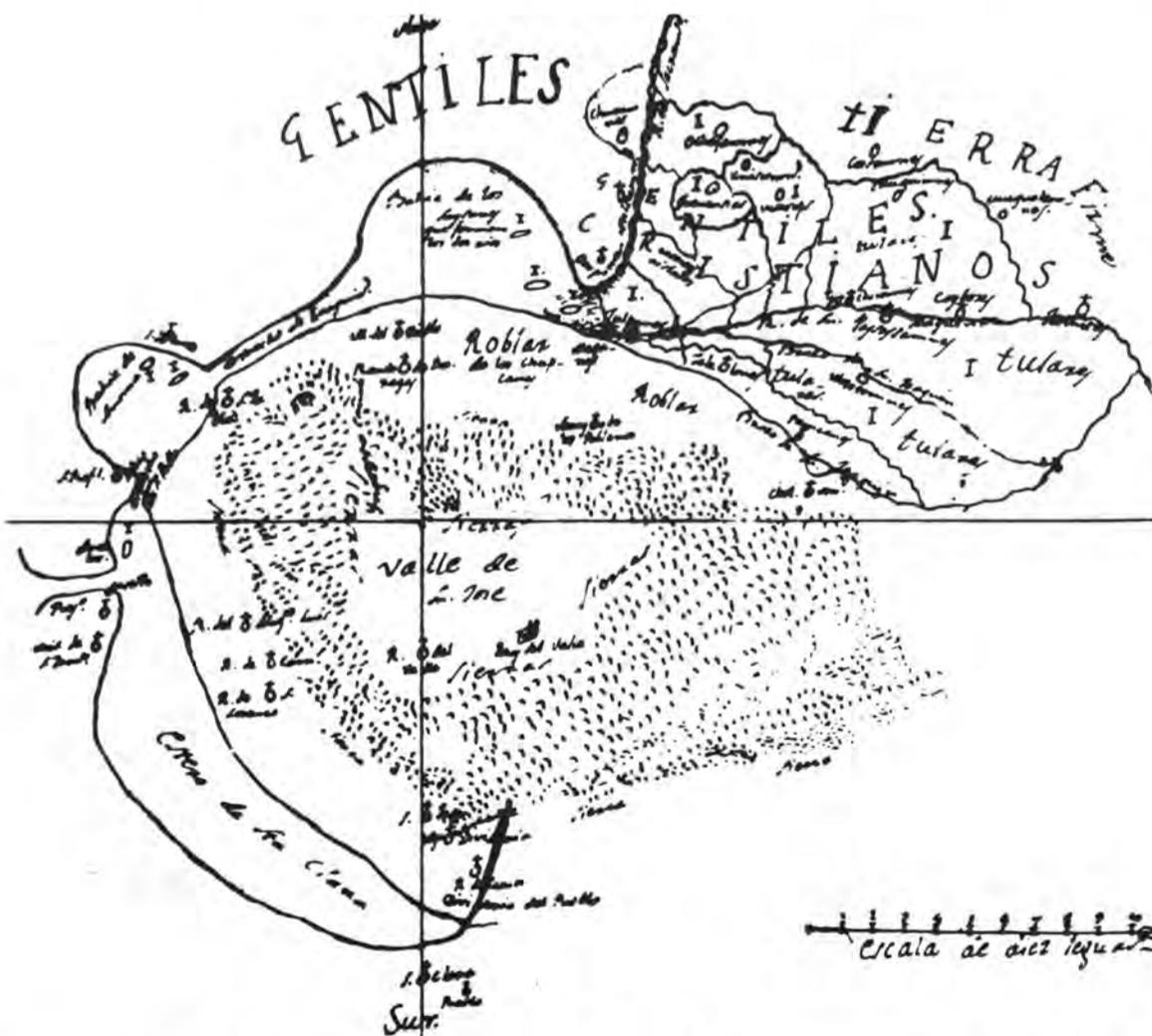
The initial cattle pasture was the Livermore/Amador Valley, where the Indians were easily converted to Christianity and became the vaqueros who tended the Mission herds. By 1824 nearly all the Valley's native Indians had been converted. At that time the Mission priests mapped the area under their domain, showing the location of neophyte and pagan rancherias (see map).

About the same time, the Mission and all of Alta California came under Mexican rule. During the Mexican period, several historic figures visited the Mission, among them Jedediah Smith, the famed American trapper and explorer. Traveling with three men from the Stanislaus River, through the Livermore Valley, he arrived at the Mission in the summer of 1827 seeking aid and supplies. From a story by renegade Indians that Smith

was inciting the natives of the interior to revolt, Father Duran arrested Smith and held him for two days. After his release he was able to buy supplies and horses from the Mission and return to his men on the Stanislaus from where they set out for the Oregon Territory.

Just after Smith's departure, a revolt was fomented by Estanislao, Indian alcalde (mayor) of Mission San José. Escaping through the Livermore Valley to the interior, he gathered a force of some 500 Indians, fought the Spanish in several battles and, when finally defeated, he returned to the Mission seeking sanctuary with Father Duran. In 1829 he and his followers were formally pardoned by the governor and all of the Christianized Indians who had been hiding in the hills returned to Mission San José.

A law pronouncing secularization, passed by the government in 1830, marked the end of mission control over the Valley, and in 1834 a decree was issued ordering the closing of the Mission. In less than a year after an administrator was put in charge of the estates, the vast lands in the Livermore/Amador Valley were opened for settlement. The cattle were eventually driven onto private lands and the Indians dispersed, many to neighboring ranchos. Under American occupation most of the Mission buildings were torn up, although some were used for various commercial enterprises. The site of the Mission became a focal point of travel into the interior during the "gold rush," but all that remained under the church was the parish of St. Joseph, still being maintained today.



TOPOGRAPHIC MAP of the territories of Mission San José made at the Mission in 1824 by Father Duran, showing Valle de San José (Livermore/Amador Valley), San Francisco Bay, and the delta region of the San Joaquin and Sacramento Rivers. Map code: R indicates ranchos, I indicates Islands, 0 (with a cross) ranchos of Christians, 0 (without a cross) of non-Christians.



"SECURITY IS" CONTEST — Stan Greenberg (8334), lower right, submitted the winning caption for January, "Security is Watching Out for Would-Peekers"; Al Alford (8432), left, won for February, "Security is an Umbrella of Protection Against All Leaks"; and Tony Thompson (8313) for March, "Security is Responsibility Switched On Every Day."

Sympathy

To Dick Sundahl (8422) for the death of his father-in-law in Eugene, Ore., April 24.

To John Balaban (8168) for the death of his father-in-law in Livermore, April 10.

Congratulations

Mr. and Mrs. Arlyn Blackwell (8350) a son, John Arlyn, April 3.

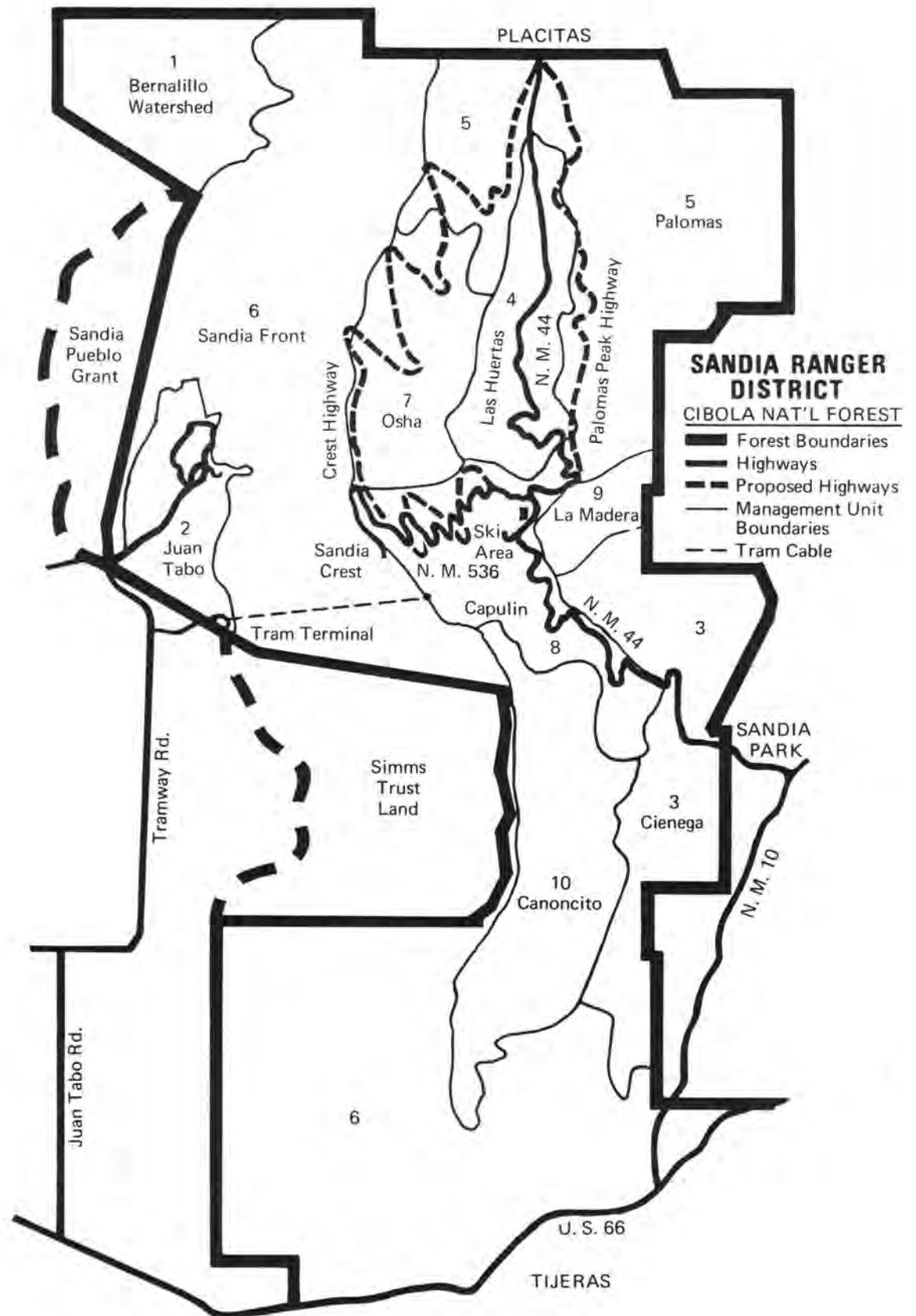
(ED. NOTE: Decisions about the future uses of the Sandia Mountains affect all of us. And decisions are now being made. Your comments are welcomed by the Forest Service (June 1 is the deadline), but they should be informed, not rash, ones. To add to your information level, read on.)

The Sandia Mountains have many namesakes — one of them Sandia Labs. But the value of the mountains to us Sandians is far greater than namesake. They (with their sister range, the Manzanos) are a dramatic backdrop for our everyday living, they directly affect our climate, and they provide our most accessible rest and recreation areas.

We generally take the Sandias for granted — they've been there available to us for longer than anyone can remember and — so the mind works — they'll therefore be there for us and our children to enjoy forever. But it ain't necessarily so: as the recent (and recommended) article on the Sandias in the Vacation Issue of NEW MEXICO magazine points out, the Sandias rose into being some 20 million years ago. Only 15 to 20 percent of the original mountain mass remains; erosion did away with the rest. Mountains are not forever; the mountain will come to Muhammad if he waits — downstream — long enough.

Even more, it ain't necessarily so when man gets involved. We can do in years or decades what it takes nature millennia or eras to do. And man is intimately involved with the Sandias. People hike, picnic, ski, sled, camp, hunt, ride, jeep and trailbike, climb, even fish a little in the Sandias. And they drive. The Forest Service reports almost twice as many visitors drove as picnicked in 1970 (95,000 vs. 53,500 visitor days). Projected demands for 1990 in all activities roughly double the present demands.

It's time for some decision-making. Between the extremes of building superhighways to crisscross a completely logged mountain on the one hand (heavy!), and prohibiting all but the hardest of card-carrying backpackers on the other, lie a great many alternatives. Add to man's needs and wants those of the 59 species of mammals, 188 species of birds, 33 of reptiles, and six of



Your Ideas?

The Sandias—A Time of Decision

amphibians. Then throw in the needs of the 884 species of plants (the vegetative zones covered by the Sandias correspond to those found in a 1500 mile sea level trip from Southern California to British Columbia). And don't forget the soils, many of which erode easily, and the water, of which there isn't much. (It's the soil erosion problem that has necessitated the closure of several areas to off-road vehicles.)

You now have some understanding of the complexity of the dilemma facing us as a community and the U.S. Forest Service as a caretaker for us of our forests. This includes the 70,000 or so acres of the Sandias, most of which lie in the Cibola National Forest. Most of the remainder is a part of either the Sandia Indian Reservation or the Simms Trust land.

The Forest Service has recently circulated a limited number of copies of a "Draft Land Use Plan with Management Alternatives for the Sandia Mountains." The plan includes inventories of the various resources (animal life, vegetation, etc.) in each of 10 major areas

— called management units (see map) — within the Sandias; up to four alternative development schemes, labeled A, B, C, or D, are given for each management unit. Thus, looking at all 10 units, some 40 courses of development lie open — a complex matter.

It's made more complex by the fact that there really are an almost infinite number of alternatives that could be considered for each management unit — and of course the units themselves are arbitrary designations.

The Forest Service has asked for comments from the public on its preferences regarding the alternatives proposed or regarding other alternatives. The "Alternatives by Management Unit Chart" (next page) summarizes the Land Use Plan. Some definitions:

WOODLAND ZONE: — Tree cover but not commercial forest. Contains pinon, oak, juniper, grass, etc. Management directed toward forage production, game habitat, improved water yield.

INTERMEDIATE ZONE — Conditions favorable for commercial sawtimber and forage. Dense timber stands interspersed with open, grassy meadows for livestock and wildlife use; favorable habitat for big and small game. May provide scenery backdrop. Management directed toward sustained yields of timber, water, forage and wildlife with opportunities for dispersed recreation.

TRAVEL INFLUENCE ZONE — Existing or anticipated significant public outdoor recreation sites along existing and planned travel routes. Often noted for beauty of landscape. Management directed toward maintenance and enhancement of esthetic qualities and toward recreation sites for intensive occupancy by public.

WATER INFLUENCE ZONE — Same as Travel Influence Zone but along waterways rather than roads.

WILDERNESS STUDY AREA — Retains primeval character with manmade im-

provements absent or substantially unnoticeable. Offers opportunity for solitude or primitive, unconfined recreation in an environment controlled only by forces of nature.

INTENSIVE RECREATION (INT. REC.)

— Activities which take place on developed sites; for example, picnic grounds, observation sites, ski areas.

EXTENSIVE RECREATION (EXT. REC.)

— Activities which take place in undeveloped sites or "dispersed areas"; for example, hiking trails.

Copies of the report are available for viewing at Sandia's Tech Library, at all public libraries (and at those at the two universities), at the Sandia Ranger Station in Tijeras, and at the Cibola Headquarters downtown. •bh

Now That You've Decided What To Do About The Sandias . . .

After studying the article and chart, or perhaps the Land Use Plan itself, you may well have some opinions. The Forest Service would like to hear them. You can write in your views (address Wallace Lloyd, Supervisor, Cibola National Forest, Box 1826, Albuquerque, 87103), or you may want to attend and speak at one of the hearings on the matter (see future Events Calendars), or perhaps you should join one of the groups concerned with and speaking out on the issue. But we realize that something quick and easy may be what you're looking for. So here's a coupon for your convenience. The LAB NEWS will tabulate the responses received by

May 30 and will forward tabulations and responses to the Forest Service.

(Clip coupon on dotted lines; do not fold, staple or use envelope)

TO: LAB NEWS, DIVISION 3162

Name _____

Address _____

City _____ ZIP _____

For each management unit below for which you have an opinion, check the alternative you prefer from the chart. (If several alternatives for a unit are identical, choose any one.)

MANAGEMENT UNITS	ALTERNATIVES			
	A	B	C	D
1 Bernalillo Watershed				
2 Juan Tabo				
3 Cienega				
4 Las Huertas				
5 Palomas				
6 Sandia Front				
7 Osha				
8 Capulin				
9 La Madera				
10 Canoncito				

Comments _____

(Attach continuation page if necessary)



THIS IS Robert Kern, Sandia's new Comptroller (4100) who replaces Warren Corgan. He arrives at the Labs from WE's Denver works where he held a similar position. Mr. Corgan returned to WE in Newark, New Jersey.

A Testimonial for Blood Donor Program

Mike O'Bryant (7651) was scheduled for open heart surgery today at Presbyterian Hospital. He stopped by the LAB NEWS last week to add his testimonial to the value of the Lab's blood donor program.

Mike signed up for private blood insurance several years ago so his needs will be taken care of. "A blood insurance program is as necessary as any other kind of insurance," he says, "you can't afford to be without it."

To date, more than 1500 Sandians have enrolled in the blood donor program. If you are interested in this protection which provides for you and your family, contact Vern Henning (3242), ext. 7336.

Outlook for Mike's operation is very good. He will receive an artificial valve and should be back at Sandia in about eight weeks.

ALTERNATIVES BY MANAGEMENT UNIT				
MGMT. UNIT	ALTERNATIVE A	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
1 BERNALILLO WATERSHED	Woodland Zone; Ext. Rec. Continuation of existing management	Woodland Zone; Int. Rec. with interpretive program on grass & woodland ecology	Woodland Zone; Ext. Rec. Continuation of existing management	Woodland Zone; Ext. Rec. Continuation of existing management
2 JUAN TABO	Woodland Zone with Travel Influence; remove Juan Tabo picnic facilities	Woodland Zone with Travel Influence; Int. & Ext. Rec. (upgrade present sites); add signs & trails	Woodland Zone with Travel Influence; Int. & Ext. Rec. (upgrade present sites)	Woodland Zone with Travel Influence; Int. & Ext. Rec. (upgrade present sites)
3 CIENEGA		Woodland Zone with Travel Influence (Water Influence along Cienega Creek); upgrade Int. Rec. sites		
4 LAS HUERTAS		Woodland Zone with Water Inflow along Las H. Creek; Close Hiway 44; provide trail access (Ext. Rec.)		Woodland Zone with Water Inflow along Las H. Creek; Int. Rec.; widen and pave Hiway 44 through canyon
5 PALOMAS	Woodland Zone; Ext. Rec.	Woodland Zone; Ext. Rec.; proceed with Sandia Crest Hiway	Woodland Zone; Ext. Rec.; construct Palomas Peak Hiway paralleling Las Huertas canyon	Woodland Zone; Ext. Rec.
6 SANDIA FRONT	Wilderness Study Area (acquire private land)	Woodland & Intermediate Zones with Travel Inflow; Ext. Rec.; cont. of exist. mgmt. (acquire private land)	Scenic area; Ext. Rec. (acquire private land)	Woodland & Intermediate Zones with Travel Inflow; Ext. Rec.; cont. of exist. mgmt. (acquire private land)
7 OSHA	Wilderness Study Area on roadless portion; remainder Intermediate Zone; no timber cutting; no Crest Hiway	Intermediate Zone; Int. Rec. Complete Crest Hiway with observation site in Canon del Agua; timber cutting OK	Intermediate Zone; Ext. Rec. Use Crest Hiway clearing for wildlife & snow rec.; timber cutting OK	
8 CAPULIN	Intermediate Zone with Travel Influence; upgrade present sites; reconstruct Hiway 536		Intermediate Zone with Travel Influence; realign Hiway 536; add Int. Rec. (esp. snow) sites	
9 LA MADERA	Intermediate Zone; Ext. Rec. build new trail	Intermediate Zone; Ext. Rec. enhance turkey habitat		Intermediate Zone; Ext. Rec. build new trail
10 CANONCITO	Wilderness Study Area		Intermediate Zone; Ext. Rec. timber cutting OK	
SUMMARY	30,000 acres in Wilderness Study Area; emphasis on Ext. Rec. & natural beauty. Existing areas (except Juan Tabo) upgraded. Close Hiway 44 in Las Huertas canyon	Emphasis on development of most resources; complete Crest Hiway for more scenic views & driving demands; Int. Rec. in 2, 3, 7, & 8. Close Hiway 44 in Las H.	Emphasis on development of most resources; construct Palomas Peak Hiway, not Crest Hiway; otherwise similar to Alternative B	Additional Int. and Ext. Rec. areas; pave Hiway 44 in Las Huertas Canyon

Recreation Notes

The Women's Sandia Golf Association held its first season tournament on April 29 at the UNM South Course. Ties were the order of the day: Molly Ellis (5643) and Pat Anderson (9425) tied for low gross and Rosalie Crawford (1), Emma Hollingsworth (3256) and Ann Michele (4500) tied for low net. Mollie Ellis birdied the 19th hole to win

FUN & GAMES

low gross and Rosalie Crawford won the low net.

In the nine-hole tournament for beginning golfers Sandy Blose (3256-3) won low gross, Gerri Bowerman (1211) was runner up, and Kathy Brady (3256-3) won low net.

The next scheduled tournament will be in Belen on May 20.



AS anyone can see, this has to be the Rhythmic Constant Energy Ground Thumper, clearly one of those primordial discoveries — like fire and the wheel — that alter man's (and woman's) destiny. Anyhow, Lynn Ernst (1422), who came up with it explains that his group needed a nice, uniform thump to calibrate a bunch of geophones.

Indian Jewelry — Telling Hopi From Hong Kong

In recent years, Southwestern arts and crafts have enjoyed a tremendous increase in popularity. The Indian crafts — pottery making, basketry, rug weaving, and silver-smithing — have always been popular with tourists, but in many cases they were unaware of the difference between the "curio" type souvenir and the "real thing." Today however, residents of the Southwest have become more and more knowledgeable and selective in their purchases. Many homes contain fine collections of Indian crafts, from small, modest accent pieces to elaborate displays, or Indian art may be the decorative theme throughout the home.

Indian silver jewelry is probably the most popular of all the crafts. Many Sandians wear handsome pieces, and at social gatherings you'll see lots of Indian silver and turquoise. Indian jewelry is acceptable and pleasing to wear with anything from the most formal to casual clothing. It is sold in shops from the East to the West coast and authentic early examples of the craft are treasured items in private and museum collections. A word of warning: there is an abundance of cheap imitation jewelry on the market — some locally made, some made in the Far East and Germany. Unless you know what you are doing, buy from a reputable dealer or trader.

The history of Indian silversmiths is a relatively short one, going back little more than 100 years. In the first 50 years the craft of silversmithing grew rapidly from a very crude form, in both execution and design, into a finely developed art. In the 1860's, a few Navajos learned how to work metal from the Mexican blacksmiths and silversmiths. Father taught son, and some years later the craft was known to hundreds of Navajos. Most of the silver work produced was for Indian use. Before 1890 the only silver made for the white man was souvenir pieces ordered by soldiers stationed at Fort Wingate and Fort Defiance. These items — tobacco canteens, powder chargers and decorative buttons — have become real collector's items.

Through trade with the Navajos, the craft was gradually picked up by the Pueblo Indians. For a number of years the Pueblo craftsmen turned out silver work similar to that of the Navajo — rather massive, filed or stamped with simple dies (whose designs were copied from those on stamped Spanish saddles) and, later, when the use of turquoise became common, set with a few well-matched pieces of stone.

Commercialization of the craft began in 1899 when the Fred Harvey Company ordered work from the silversmiths for the Eastern tourists. The jewelry was sold on trains of the Santa Fe line and in station stands. Tourists didn't seem to care for the early heavy jewelry and thus was evolved the cheaper, light weight curio product. The Harvey Company asked a Nevada turquoise miner to supply pre-cut and polished stones — flat, square and oblong. These were passed on to traders to farm out to the smiths. Up until this time, the turquoise supply was limited, most of it being obtained from the Cerillos mines through trade with the Santo Domingo

Indians. Bulk silver was also supplied to the smiths by the trading posts. American silver coins were melted until 1890 when laws which prohibit defacing of currency were enforced: Mexican silver pesos were then supplied by the traders until that supply diminished.

To raise cash, an Indian silversmith might produce quantities of cheaper, lighter weight jewelry — but will seldom wear it. Jewelry serves three functions to the Navajo — decoration, display of personal wealth, and collateral. Trading posts were, and in some cases still are, a lifeline to the Navajo within his isolated reservation. Among their customary functions they also serve as the local bank and hock shop. If an Indian needs cash or credit he can take a piece of jewelry to the trading post and use it as security for a loan. Sometimes he just wants a safe place for his most valuable pieces. The jewelry is redeemed when the loan plus interest is paid; or after an agreed upon length of time if the loan is not repaid, it becomes "dead pawn" which the trader may sell for whatever amount he wishes.

Fine pieces of jewelry are passed on to family members, and a display of valuable jewelry becomes a matter of family pride. The Navajo admires and recognizes beauty of craftsmanship — a heavy piece of silver well marked with dies and set with good stones of a dark color. They do not wear tarnished silver, but prefer to keep it highly polished.

Through the early silversmithing years, changes in the art form and design accompanied the introduction by traders of better tools. Advancing from the very simple to the ornate, almost baroque design, Indian silversmithing has come almost full circle, for in recent years Indian educators and traders have encouraged silversmiths and students to once again make some of the fine, early designs.

The three best-known types of Indian jewelry are Navajo, Zuni and Hopi, and each possesses distinction:

NAVAJO: The jewelry is of a massive quality with simple design. Turquoise is used to enhance the silver work. Navajo silversmiths produce both hammered and sandcast silver. Wrought or hammered items are fashioned from an ingot which is pounded into the desired shape while hot. Designs are stamped or stones set on the flat silver surface. In casting (which the Indians learned about 1875), the molten metal is poured into a carved mold and the piece finished by filing and polishing. Sandcasting remains a difficult technique and the appeal of, say, a cast bracelet lies in the subtlety and complexity of the curves of silver.

ZUNI: Zuni Pueblo might be called a one-industry village, that industry being the crafting of silver and turquoise by both men and women. As opposed to the Navajo emphasis

on silver work, the characteristic feature of Zuni work is their use of stones. For instance a needlepoint or cluster bracelet might contain as many as 150 individually set pieces of turquoise. The Zuni are also well known for inlay — mosaics of stones (turquoise, shell, jet, etc.) enclosed in a rim of silver and mounted on a silver plate — and for channel work — stones or shell cut and set into separate silver compartments, after which the entire piece is ground and polished to a smooth, even surface.

HOPi: The work of the Hopi silversmiths resembled that of the Navajo and Zuni until 1938 when the distinctive Hopi overlay technique was introduced. The Museum of Northern Arizona presented the program to the Hopi smiths, encouraging them to develop a style of silverwork based on their unique pottery designs. Overlay gives the appearance of a single piece of carved silver, but it is really two sheets. The design is cut out of one and overlaid on the second solid piece. They are then "sweated" together and the bottom portion is blackened to make the design stand out. The piece is then shaped and polished. Sandcast silver is also produced by some Hopi smiths.

Glossary of Indian jewelry:

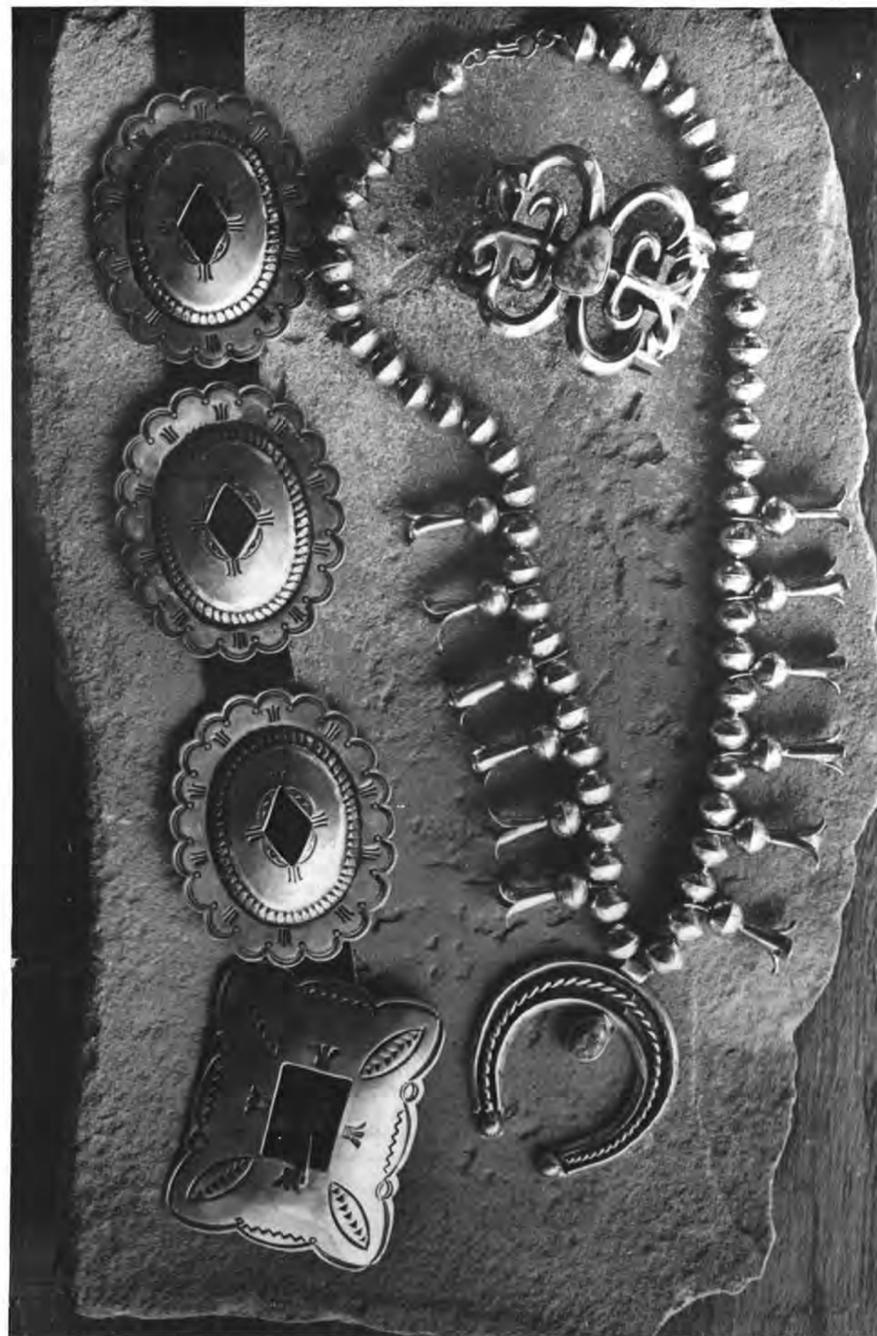
Nazhi (na-ja) Navajo — Crescent shaped pendant. Used by ancient Moors as an amulet fastened to horse bridles to ward off the "evil eye." Introduced to North America by Conquistadores.

Ketoh (ga-toh) Navajo — Bow guard for the wrist. Used today as decorative item.

Jokla (zha-kla) Navajo — Double loops of turquoise suspended from shell and turquoise necklaces. Originally worn as earrings and hung on the necklace when not in use.

Pomegranate or squash blossom bead — Copied by the Navajos from the Spanish jacket and trouser ornaments, made from silver in the shape of pomegranates. Navajo word for these beads literally translated means "bead which spreads out." At one time the bead was probably described as a squash blossom — not symbolic of the flower but merely that it looked like a flower.

Hieshe (he-she) Santo Domingo — Necklace beads made from sea shells. Pieces of shell are drilled and ground to desired diameter. Also made by the Zunis. •nt



Navajo hammered concha belt and squash blossom necklace; sandcast bracelet



ABOVE: Zuni cluster bracelet, inlay (lower right) and channel pins



RIGHT: Hopi overlay

Jewelry courtesy of Enchanted Mesa Indian Arts

Speakers

H.E. Hansen (9223), "Secede II Rocket Operations and Experiment Support," Secede II Final Data Review Meeting, Institute of Defense Analysis, April 11-12, Arlington, Va.

R.D. Snidow (7121), "Glassblowing," March 16, Albuquerque Science Teacher's Association.

J.M. Hueter (3134), "Creativity — Choice or Chance?," Los Altos Kiwanis Club, April 7; and "Creativity for Agency Operations," UCF Agency staff personnel, April 13, Albuquerque.

E.J. McGuire (5234), "L and M Shell Yields and Electron Spectra for the Transuranic Elements"; F.W. Bingham (5233), "Vacancy Production in Rare-Gas Atoms by O⁺ Impact at 50-200 keV"; R.L. Gerlach (5332) and A.R. DuCharme (5331), "Cross Sections for Inner Shell Ionization of Atoms by Electron Impact"; L.B. Mendelsohn (consultant, 5230) and F. Biggs (5231), "K-Shell Compton Profiles and Incoherent Scattering Factors," International Symposium on Inner Shell Ionization Phenomena, April 18-22, Atlanta, Ga.

J.D. Theis (5315), "The Process Development and Mechanical Testing of a Carbon/Carbon Composite Fabricated by Chemical Vapor Infiltration of a Filament Wound Substrate," and M.L. Lieberman (5313), "Chemical Vapor Deposition of Carbon: A Model to Relate Gas Phase Conditions to Structure of Deposit," Third International Conference on Chemical Vapor Deposition, April 24-27, Salt Lake City.

R.J. Baughman (5154), "Single Crystal Growth of AuX₂ and PtGa₂," American Association for the Advancement of Science and Colorado-Wyoming Academy of Science, April 26-29, Ft. Collins, Colo.

N.S. Gillis (5151), "The Soft Mode Concept and Structural Transformations in Solids," Univ. of Colorado, April 12, Boulder.

F.L. Vook (5110), "Ion Implantation and Ion Backscattering Research at Sandia Labs," Materials Science Seminar at Argonne National Labs, April 13, Argonne, Ill.

B.L. Hulme (1722), "Collocation and Discrete Galerkin Methods for First-Order Systems of Ordinary Differential Equations," Univ. of Texas, April 20, Austin.

D.K. Robbins (5424) and G. Phipps (9312), "Use of the Hologram Technique for Surface Visualization," 6th Albuquerque Section Instrumentations Symposium, ISA, April 24-25.

G.L. Cano (5213), "Laser Induced Blow-Off and Secondary Electron Ejection From Gold by High Charge Number Ions," Colloquium, Physics Dept., NMSU, April 20, and UTEP, April 21.

C.N. Vittitoe (5231), "Brief Introduction to Electromagnetic Pulse Phenomena in the Atmosphere with Some Considerations for Minuteman Defense," 1972 Meeting of the Atmospheric Effects Subcommittee of the Nuclear Effects and Battlespace Utilization Subgroup, April 17-18, Orlando, Fla.

J.M. Peck (5234), "Molecular Collisions and the Influence of Rotational Vibrational Degrees of Freedom," Colorado State Univ. Physics Dept., April 21.

W.D. Smith and C.E. Land (both 5153), "Ferroelectric Ceramic Light Scattering-Devices for Image Storage and Display"; P.D. Thacher (5113), "Novel Optical Uses for Ferroelectric Ceramics," Instrumentation Symposium, ISA, April 24-25, Albuquerque.

D. Williams, Jr. (9484), "Temporary Encapsulates for Research and Development"; C.F. Magnuson (1543), "Dynamic Environment Study of Turbojet Cargo Aircraft"; J.T. Foley, M.B. Gens, and C.F. Magnuson (all 1543), "Current Predictive Models of The Dynamic Environment of Transportation," Institute of Environmental Sciences, April 30-May 4, New York City.

W.J. Brya (5152), "Applications of Moments to Light Scattering in Antiferromagnets," Optical Sciences Seminar, Univ. of Ariz., May 1, Tucson.

J.A. Borders (5111), "Ion Backscattering Investigations of Solids or Rutherford Scattering Comes of Age," Reed College, May 1, Portland, Ore.

G.H. Haertling (1335), "Ferroelectric Optical Materials," U.S.-Japan Seminar on Basic Science of Ceramics, May 3-5, Penn. State Univ.

G.L. McVay and E.H. Farnum (both 5154), "Annealing Atmosphere Effects on Na Diffusion in Na-Silicate Glasses"; G.H. Haertling and J.T. Cutchen (both 1335), "Material and Electrooptic Properties of the (Pb,La)(Hf,Ti)O₃ System"; G.S. Snow (1335), "Fabrication of Electrooptic PLZT Ceramics by Atmosphere Sintering," American Ceramic Society, May 6-11, Washington, D.C.

L.V. Rigby (1644), "Measurement of Reader Satisfaction by Questionnaire," International Technical Communication Conference, May 10-13, Boston.

Car Pools Vs. Car Insurance

Discussions of car pooling sometimes generate more heat than light. One of the counter arguments runs, "I'd join a car pool, but my insurance rates would soar." Another is "If you're a driver and you're in an accident, you'll be wiped out by the lawsuits brought by your riders."

Both statements are likely more rationalization than fact. There is some truth in each one BUT ONLY IF you're a permanent car pool driver who's making a profit at it.

That's the word from Art Rice who is Executive Secretary of the New Mexico Association of Independent Insurance Agents and who ought to know. He's backed up by Bill Haas, Deputy Superintendent of Insurance in Santa Fe. Both agree that there's absolutely no problem where riders and drivers alternate. And there's no problem with a permanent driver if he collects from his passenger-guests only enough to cover the gas, oil, and routine maintenance on his pool car.

One final word: join any car pool on a probation basis. Don't stay in one where the driver is not cautious and courteous. Being fully covered by his insurance may make a hospital bed a shade more comfortable, but really, it's much more comfortable at work.

Metric Power

Metrication Status: Inching Closer

Corry McDonald (7451) briefed us recently on where we stand, as a country and as a laboratory, on metrication.

A new metric system Administration Bill has been submitted to the Congress and will probably come up for discussion sometime this Fall. The bill calls for a 10-year program of conversion. Corry's estimate of the bill's chances: "It could pass with some minor changes during the next session."

Sandia will not move out very far ahead of the rest of the country. Corry related that he

Cycles Si, Campers No

A second letter from Dave Coy (1226) offers an interesting view of pollution and its relation to vehicles. He notes, "the real criterion for evaluating the environmental advantage of a given method of travel is 'How Much Fuel Is Required Per Passenger Mile (FPM)'"

His examples tell the story:

	No.	Vehicle	People	MPG	FPM
Camper	1		08	1/8 gal.	Very Bad
Car	1		15	1/15 gal.	Still Bad
Car	3		15	1/45 gal.	Much Better
Cycle	1		50	1/50 gal.	Better Yet
Bike	1		inf.	0 gal.	Excellent!

The message is clear: car pool, cycle, or bike.

Car Pool Service Update

Almost 400 Sandians have sent in coupons expressing interest in forming car pools. And more keep coming in. The matching process is a bit involved so listings probably won't be ready for mailing until the end of the month. Or thereabouts.

At this point it appears that most people who sent in coupons will be able to match with at least one other person, but in many cases the desire for a specific parking lot near Area I will be an unfulfilled one.

Ideas for tangible incentives are still being explored. (And fresh suggestions are welcome.) But the biggest reward will come when we cut down the number of cars on the streets to the point that everyone gets home earlier in somewhat clearer air.

Ray Powell Receives Award



A Sandia VP was among 11 New Mexicans to receive the 1971 Distinguished Public Service Award. He is Ray Powell (3A), and the award was made last week by Gov. King at a banquet at Western Skies.

Among the activities that were the basis of Mr. Powell's award are: planning and sponsorship of the merit system for state employees; chairmanship of the State Personnel Board; planning and promoting TVI; chairmanship of the Chamber of Commerce Education Committee; support for and service to U of A; and stimulation of economic development — present president of Albuquerque Industrial Development Service.

Take Note

Interest in express (non-stop) busses, discussed in last LAB NEWS, is high but decentralized at this point. Lots of people strongly interested but spread across the city. The area bounded by Montgomery, Wyoming, Candelaria, and San Pedro looks promising at this point. And there's some hope for the I-40 area between the river and the railroad and maybe for far east Indian School/Constitution and for way, way out northeast. If an express bus sounds good, send LAB NEWS your name, address, and (if possible) Car Pool Zone Number. We'll do everything we can.

* * * *

National White Cane Week will be observed May 15-21. Local Chapter of the American Federation of Blind is using the opportunity to call attention to part of the City's traffic code which proclaims that all approaching vehicles will stop when a person with a lead dog or a white cane is crossing or attempting to cross a street.

* * * *

Fire in a plastic wastebasket set off the fire alarm and activated a sprinkler in Bldg. 828 in the early morning hours of April 27. The fire was out before the Base Fire Department arrived. The cause is assumed to be a smoldering cigarette in the waste paper. A re-run of the event would have occurred on May 2 if a custodian hadn't seen some smoldering tissue in a wastebasket in Bldg. 836. We've evidently got some smokers who dump their ashtrays just before quitting time. How about sacrificing tidiness for safety — dumping ashtrays in the morning when the ashes have had a chance to cool off? At any rate, watch those butts.

* * * *

A fire breathing dragon, a magic frog, and original songs are part of a production called "Sleeping Beauty" to be presented by the Baptist Neighborhood Center May 18-20. Gary Shepherd (5428) wrote the script and music and directed the show. He has been conducting a Neighborhood Dramatics project in the Model Cities area for the past two and a half years. The Center is located at 1020 Edith SE. Curtain time is 8 p.m. and admission is free.

"We have 17 youngsters in the cast," Gary says, "and professional lighting, sets and costumes. It's marvelous what these kids have accomplished."



A 20-ft.-long drawing of a section of an NTS tunnel is displayed by (l to r) Dave Humphreys, Howard Wormington, Bill Lutgen and Manny Archuleta. It is one of many produced by Design and Drafting Division 7652 in support of the NTS field testing activities of Organization 9100. In recent old days such drawings were carted to Nevada in the box shown in the foreground. It protected them but was not the greatest for quick reference. Now the drawings are reduced by Joe Luna (7542), in photo at right, using a Xerox 1860 machine. The 1860 reduces drawings to a height of 11 inches for insertion into a looseleaf notebook which replaces the box of drawings. Located in Bldg. 892, Rm 146, the 1860 is ready for customers.

Feminists Advance On LAB NEWS



For the last year or so, LAB NEWS has discerned ever-increasing vibrations from its female readers about the absence of comely males on the back page of the paper. At first we smiled patiently, then we temporized, finally we claimed an absence of suitable

models. Which last was a tactical error, because we've just received one gal's list, reproduced below:

Richard Bemis
 Marvin Taylor
 Michael O'Bryant
 Orville Furrow
 James Hinson
 Martin Gonzales
 Jake Gonzales
 John Nakayama
 James Robinson
 Gilbert Weaver
 Herman Kaneshiro
 Gerald Montgomery
 Dale Buchanan
 Thomas Shishman
 Stan Love
 George Skinner
 Hugh Taylor
 David Powers
 Hank Willis
 Leo Chavez
 Lou Feltz
 Roger Kennedy
 Robert James
 Paul Spencer
 John Ayala
 Gabriel Sanchez
 Fidel Salazar
 Arthur Hardeman
 Wilfred Sanchez
 William Sefcik
 Al Narath

Dick Claassen
 John Hornbeck
 Ben Armijo
 George Connor
 Bob Banks
 Paul Callies
 Ron Snidow
 Ben Evans
 Lou Flores
 Fred King
 Jim Landavazo
 Rambert Rivera
 Ed Shoaf
 Fred Gunckel
 Jim Uhl
 Jim Winter
 Bill Zemka
 Roger Eaton
 Harvey Brewster
 Wayne Trump
 Gil Padilla
 Charlie Lumpkin
 Pat Quigley
 Ernest Dunaway
 Dennis Rowley
 Earle Chapman
 Jack Hickman
 Phil Gelt
 D.R. Anderson
 Bob Stinebaugh

So we dare ask for opinions? or alternate listings? or what?

Tattoo Your TV

Thwart Your Local Thief

Thanks to the Base Security Police Office, Sandians have an opportunity to join Operation Identification. OpId is currently sweeping the USA (you read about it in PARADE), and the bandwagon still has room for more.

What is it? It's a means by which to inscribe your social security number on all your treasured (but inanimate) belongings. It's done with a special electric engraver.

Why bother? The smart thieves don't like to appropriate anything that can be easily traced, so the little OpId decal you get for your door keeps them away. The dumb ones steal your stuff anyway, BUT your chances of recovering it are much higher than if it's unmarked.

Who can do it? Anyone who works on the Base is eligible to sign out an engraver for 72 hours — no deposit required.

What's included? In addition to temporary use of the engraver, you get the aforementioned decal, instructions telling you what portion of each appliance's anatomy to tattoo, and a couple of keypunch cards. The latter with your social security number, name, phone, and address will be filed here and with the Albuquerque Police Department so as soon as your pilfered possessions turn up, you can be notified.

Where? Go to Room 100 of the Security Police office (Bldg. 220) across from the tennis courts by the Gymnasium. The password is Operation Identification.



FAMILY PLANNING Can Pay Off Big. Or at least Chester Wolowicz (7121) hopes so. He bought a block of Family Planning stamps at a local post office and discovered that some of the printing was 3/8 inch off target. The block number, which should have been in the left margin, is on one stamp. Two stamps have no "8 cents" designation. Estimates as to their worth range from a few hundred to a few thousand dollars. With stamps, it pays to shop around for a lemon.



THE INVENTOR? First boat to employ hydrofoil principles, it captured world speed record in 1919 at a record 70.86 mph. Developer came up with a few other odds and ends in his time — can you guess his name? (answer on page 11)



ONCE UPON A TIME, there was a bee, in fact 7129 of 'em, and they took a liking to the south side of Bldg. 835, in plain violation of every conceivable security regulation. But who to call? Fork lift operator? Reclamation? Solid Dynamics Department? Suddenly two wraiths, in white all garbed, appear and, murmuring softly to their little friends — well, they dumped 'em in a box and took the 7219 away. Wraith No. 1 is Ken Mills (1412), Wr. No. 2 Paul Krogdahl (7411).

CU Bulletin Board

According to a recent Internal Revenue Service release, "Anyone who receives dividend or interest income must give their tax account number to the organizations that pay the income.

For individual taxpayers, the number is their social security number.

The number is needed because business firms are required to report to IRS dividends or interest of \$10 or more paid to anyone during a calendar year.

Firms must also furnish a statement to depositors or shareholders for their records, showing the total payments of interest or dividends for the year."



Bill Moffat — 9212 25



Janice Sharp — 7633 15

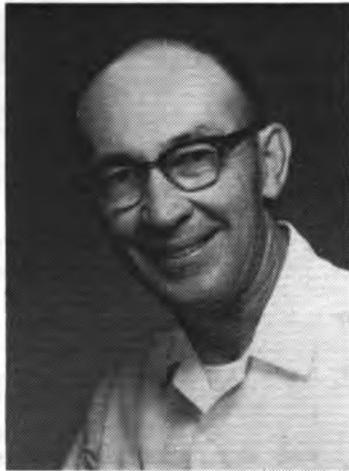
MILEPOSTS

LAB NEWS

May 1972



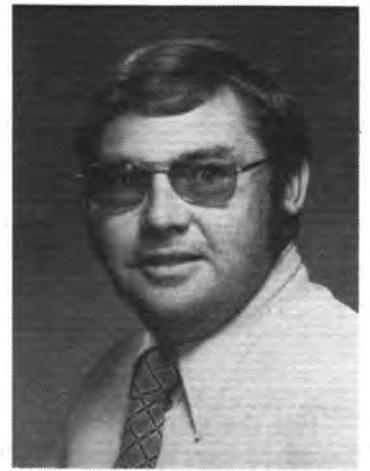
Donald Holliday — 9482 15



James Wolfe — 4513 15



Marion Apodaca — 5313 10



Robert Galbraith — 1212 15



Joseph Platt — 1525 20



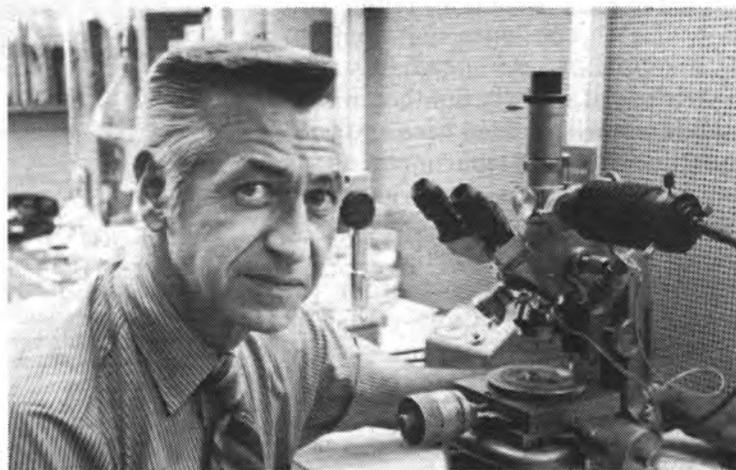
John Banker — 9312 20



Virginia DeWitt — 3256 15



Betty Worley — 6000 10



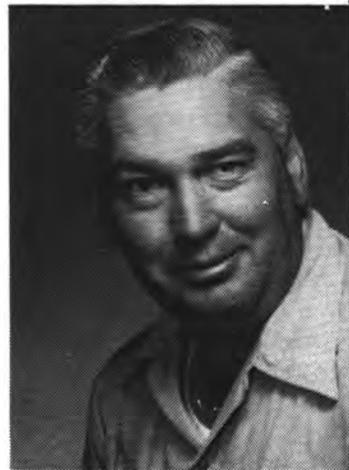
John Lewis — 1322 15



David Davis — 5411 15



Chewie Baca — 3520 15



Joseph Gonzales — 4513 15



Charles Ray — 9344 15



Sol Chavez — 7141 20



James Davis — 9224 20



JEAN LANGSTON (1400/1900) — Secretary of the Year for the Albuquerque Chapter of The National Secretaries Association, International. Jean is a Certified Professional Secretary and president of the local Chapter of NSA.

Labs Beats Paper Purge Goal by Almost 5 Percent

Some 21,867 cu. ft. of records, publications and reference material were removed from Sandia Laboratories files during the recent clean-out campaign. Charlie Hines of Library Systems, Records Management and Mail Services Division 3148, which conducted the campaign, figures that if all this stuff were placed in boxes three feet square, side-by-side they would stretch from Wyoming to San Mateo.

The important thing is, Charlie reports that the Labs reduced its record storage by 24.8 percent — from a total of 88,060 cu. ft. before the purge to 66,193 after the clean-out.

In addition, 1305 separate filing cabinets and records storage equipment pieces were returned for redistribution.

"It was a successful Laboratories-wide campaign," Charlie says. "Our goal was a 20 percent reduction and we beat that by almost five percent."

Answer (to page 9 query):

Alexander Graham Bell

Retiring



Maxine Natzke (3256)

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

- NEW DELUXE Kenmore auto. washer, port., avocado, best offer over \$139. Verardo, 865-9449 or 255-6385 after 5.
- COKE MACHINE, \$25; Parkomat auto air conditioner, \$65. Holley, 898-1777.
- AQHA FILLY, training underway, good conformation, \$200 or best reasonable offer. Hansen, 898-3173.
- 24' SAILBOAT w/trailer, equipped cruise to Baja, \$3500. Quant, 296-6826.
- TYPEWRITER, Sears President, port. w/case, 12" carriage, \$60. Philbin, 266-4942.
- 10 CONCRETE TREE RINGS, 18" diameter, \$3 ea., \$25 for all 10. Bonzon, 296-3022 Saturdays.
- TWO 14x4.5 Ford wheels w/worn 7.35x14 gasbelated tires, \$4 ea. Leisher, 282-5258.
- KITCHEN TABLE, chairs, \$25; bassinet, \$5; child's car seat, \$10; 2-burner camp stove, \$15; car bed, \$3; baby wind-up swing, \$5. Kobs, 298-9133.
- GARAGE SALE: carpeting several sizes, evaporative room cooler & car cooler; two 7.35 x 15 tires, other odds & ends. Batten, 265-2570.
- GE ELECTRIC RANGE, 2 ovens, \$100. Hayes, 299-5832.
- WOOD PLAY PEN, \$9; dinette w/4 chairs, \$25. Rufsvold, 268-5970.
- MCCULLOCH 250 chain saw, 17" bar, 6.3 hp, less than 20 hrs., just sharpened, \$180; beer tapper, \$50. Kaw, 238 exp. chamb., \$20. King, 298-2991.
- 14' SAILBOAT & trailer, complete, \$200. Roberts, 255-9527.

- LAWN MOWER, gasoline rotary, 20", \$5. Ashworth, 296-9126.
- GARAGE DOOR, 8' wide, all steel, \$50. Mason, 344-6775.
- LIGHT CAMPER for long, wide bed pickup. Causey, 299-0089.
- BEAGLE (¾) Basset (¼) pups, ready for adoption, good markings, black saddles, 4 males, 2 females, \$10 ea. Manteufel, 299-8658.

- ELECTRONIC ORGAN, \$799, terms. Silverman, 298-1308.
- QUARTER HORSES: 7½ yr. old mare in foal; 3½ yr. old buckskin stallion; 2 yr. old stallion; filly. Baca, 344-2683 after 5.
- 3 BOAT TRAILERS, \$30 ea., 827 Charles Pl. NW. Lewis, 344-2244 after 5:30.
- REMINGTON BDL deluxe .25/06, \$100. Gonzales, 242-6264.
- NINE-DRAWER dresser, \$100; 36 x 46" mirror, \$40; 27 yds. pink shag carpet, \$100; Sealy box spring, mattress, frame, \$130. Hayes, 296-3909.

- 20" 3-SPD. BIKE, Neil, 298-1645.
- TROMBONE Olds Opera, new, B flat base, E flat and F attachments, 10" bell, all silver, cost \$900, sell for \$500 or best offer. Pierce, 268-2122.
- ATLAS metal lathe, 10" swing, 36" B/C, w/motor, \$350. Kay, 299-3106.
- '71 HONDA 450 CL. Martinez, 299-3106.
- 8' CAMPER w/bed & ice box, will work on narrow or wide bed, \$210. Moore, 255-5447.
- ELECTRIC MASSAGE COUCH, \$40. Looney, 255-7349.
- '69 24' Aristocrat Classic travel trailer, rear bdr. w/twin beds, refrigerated air, sleeps 5, many extras, 5500 miles, \$3650. Fry, 298-1613.
- UPRIGHT piano, recently tuned; 250cc Wards motorcycle, low mileage, \$150. Prevender, 299-5253.
- PUPPIES, West Highland White Terrier, lovable pets, AKC, excellent pedigree. Young, 296-1963.
- UTILITY TRAILER, heavy duty

- wheels & bearings, new 6:00x-16 tires, top removable, \$195. Smaller, 299-8413.
- '66 MODEL HONDA 50, \$100. Wilkinson, 299-8327.
- SEARS 20" lawn mower, \$25; wooden playpen, \$3; screen door, \$5; 2 French doors, \$10 ea. Scully, 299-1083.
- BICYCLE, Spyder 5-spd., \$30; Fedders refrigeration type air conditioner, 16,000 BTU/hr., \$115; Kenmore auto. washer, \$25. Stixrud, 298-0478.
- NEWLY UPHOLSTERED 3-piece sectional couch, tone on tone gold, built-in end tables, Gallegos, 344-5441.

- PEEKAPOO PUPS, \$25. Cover, 268-0921.
- BOAT, 12' long homemade speed boat, 30 HP motor, trailer, waterskis & belts, Carlson, 299-7253.

FOR SALE CARS & TRUCKS

- CAMPER BUS, fully contained — toilet, pressurized water, stove, gas refrig., gas & elec. lights, much storage, sleeps 6. Anderson, 299-9037 after 6.
- '70 CHEV. Malibu 2-dr. spt. cpe.; or '71 Mercury Cougar 2-dr. HT, both have lots of extras. Chapman, 299-9670.
- '69 PONTIAC Catalina, AT, fully equipped. Buss, 298-1589.
- '67 CAMARO-Man. AC, new brakes, tires, battery, below book. Westmark, 298-1945.
- '64 CORVAIR convert., blue, new clutch, new top, reconditioned motor, 4-spd. trans., \$495. Jercinovic, 255-8027.
- '72 164 VOLVO, AM/FM, \$4000 or best offer. Neiswander, 294-1312.
- '63 RENAULT Caravelle, HT & soft top, extra engine parts, needs lots of work, \$100. Erdman, 298-3097.
- '67 MUSTANG, 2-dr., 289 V8, AT, PS, AC. Rayner, 299-7429.
- '63 FORD WAGON, AT, radio, '68 motor, trades considered. Rose, 298-4849.
- '69 CHEV. PU ½-ton, 350 eng., 8' box, air, AT, PS, PB, custom cab, heavy duty springs, 42,-

- 000 miles, \$1995. Snyder, 345-2247 after 6.
- '57 FORD 2-dr. sedan, V8, std. trans., \$250. Garrison, 256-7267.
- VW crew cab pickup, newish engine, transaxle, jumbo rear tires, great traction, \$500. Shunny, 265-1620.
- DUNE BUGGY or Arroyo buggy, street licensed, '69 VW 1600 cc new engine, van transaxle, HR&A, a going Jessy, \$1100. McDonald, 265-2842.
- '66 CORVETTE COUPE, 4-spd., 327 cu. in., 350 hp, AC, Positraction, trailer hitch, \$1600. Summers, 266-3793 after 5.
- '62 OLDS F85 V8, 4-dr., AT, PS, Positraction, \$275; Lincoln Continental Mark V Executive, 4-dr., \$1500. Schiess, 255-3252.

FOR SALE REAL ESTATE

- 5 ACRES half way between Meadow Lake Estates and Los Lunas, on paved road, view of Mts. and valley. Klein, 294-0888.
- 4-BDR. HOME, 2½ baths, LR, DR, FR w/tp, carpet & drapes, avail. immediately. McVay, 299-3359.
- OR TRADE one acre homesite Holliday Hills, city electricity & water available, make offer. Elder, 268-7479.
- NE HEIGHTS, 3-bdr., LR, FR, kitchen-DR comb., 1¼ baths, utility, sprinklers, front & back, 5¼% FHA loan. Looney, 299-5029.
- 2.4 ACRE Golden Valley Estate, \$450 my loss your gain, land location Estancia Valley, Block 91. Eaves, 299-7728.
- LOT on East side of El Vado Lake w/16'x28' foundation & 8'x16' storage shack, \$875. Benton, 877-2473.
- STANFORD near UNM, 5-bdr., 3½ baths, playroom, fenced swimming pool, dbl. garage, patio, over 3000 sq. ft., \$48,000. Tracy, 265-1155.
- 2-BDR., carpeted, lg. walled back yard, Eubank-Menaul area, near schools, shopping park;

equity & assume 4½% VA loan. Roberts, 298-3126 after 6.

FOR RENT

- 14' CAMPER on 1-ton GMC, all extras, taking reservations now. Percival, 299-0535.
- FURNISHED 3-bdr. home for vacationers, AC, Elephant Butte Reservoir, near water, \$85/week, \$50/weekend. Bemis, 296-1305.
- 3-BDR. 1¼ bath, Hoffmantown brick, parquet wood floors, screened patio, sprinklers front & back, available June, \$200/mo. plus utilities. Smoll, 299-0023.

WANTED

- DAILY SUMMER BABYSITTER, one child, my home. Jelinek, 298-8397 after 5.
- BOOKS on mountain climbing or exploration. Mattox, 296-4149.
- RECENT EDITION of Encyclopedia Britannica in good condition. Schroeder, 344-1011.
- OLD rusted out swamp coolers w/good fan assemblies. Hoagland, 282-3825.
- GIRL'S 20" bicycle; jungle gym. Gover, 296-3928.

WORK WANTED

- 9th GRADE STUDENT wants babysitting, Louisiana & Commanche area. Neil, 298-1645.
- VICKIE, age 14, wants babysitting, live near Commanche & Eubank, weekends, during week when school is out. Neel, 299-9309.
- TWO H.S. students w/pickup will haul trash, do odd jobs, available after school & weekends. Brian, 255-6727, Jim, 255-4093.

LOST AND FOUND

- LOST—Woman's gold watch on chain, lg. green notebook w/machining data. LOST AND FOUND, tel. 264-2757, Bldg. 832.
- FOUND—Bifocal safety glasses, safety glasses w/black frames, eye glass purse, key w/red tag, pearl button, woman's silver ring. LOST AND FOUND, tel. 264-2757, Bldg. 832.

Mexican Fiesta

May 20

A WILD SCENE: Happy Hour at the Coronado Club as painted by Screwloose-Lautrec. Unfetter a group called Scorpio (formerly Swartz) on the bandstand and color it fantastic. Let a Club manager named Jim Noonan spread a veal cutlet buffet and color him smiling. Splash Joe the bartender with broad strokes. Add calligraphy to read "Special Prices (cheap) from 5 to 10 p.m." Put a clever Yolanda Adent in the main lounge conducting a singalong. A masterpiece? Why not? Hang it on your wall tonight.

* * * *

TOMORROW is Family Vaudeville Night at the Club with a Walt Disney film called "Toby Tyler" scheduled. Prior to the movie a stage show featuring youngsters of the Albuquerque Light Opera will entertain with singing and dancing. Happy Hour prices will be in effect and super sandwiches will be available. The fun starts about 6 p.m. Admission is free to members and their families.

* * * *

THE COUNTRY EXPRESS is booked for Happy Hour music making on Friday, May 19, while the buffet will feature baked



Joe Silva (1431) and Connie Torres

Q. ¡Hey Hombre! ¿Donde está la fiesta? A. ¡Caramba! ¡Está en el Club Coronado!

ham and Irish stew. Denny Gallegos will entertain in the main lounge. Wildman Bob Banks will break things up on Friday, May 26, while Smiling Jim spreads an Oriental buffet. An extra on this one is an intermission fashion show featuring girl-type models wearing filmy things and male-type models wearing macho things. Should be different.

* * * *

MEXICAN FIESTA on Saturday, May 20, is the big one this month. All kinds of good things are scheduled. One very good thing is Graciela Flores, a fantastic entertainer who will perform two shows — one during the 6 p.m. cocktail hour with the Mariachis Tenampa, a top group from Mexico, and one show with Soi Chavez and the mighty Duke City Brass during intermission. Dinner — the Mexican food works prepared Rio Grande style — will be served at 7:30 p.m. All of this goes for \$3.50 for members, \$4.50 guests. Reservations should be made right away.

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ART GROUP from the Sanado Women will be showing and selling their paintings at Winrock Center May 10-13. Included in the show will be a number of demonstrations of oil and watercolor painting.

BRING OUT THE BIKINIS, baby, the Coronado Club twin pools open with an all-day celebration Saturday, May 27. Admission is free to members and families but members only, please. The fun starts at 11 a.m. Happy hour prices will be in effect and 10-cent beer will be available. Denny Gallegos will make like a strolling troubador. The snack bar will be open for hamburgers, hot dogs and other goodies. Smiling Jim will keep smiling through his scuba mask. That evening, starting at 8:30 p.m., the action moves to the ballroom for a Harvey Wallbanger Soul Session. Something called "Scratch" will be on the bandstand and Happy Hour prices will prevail. The pool and patio area will be open from 11 a.m. to 6 p.m. throughout the three-day Memorial Day weekend but other Club facilities will be closed Sunday and Monday.

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RESPONSE to the Mazatlan trip offering has been great, according to Chet Fornero (4361), Club president, so a second section has been added. The first group will leave June 7, return June 15. Second section will leave June 9, return June 17. This one is open to members and guests and costs \$249 which includes first class everything but lunches. A few seats are still open, Chet says, and May 19 is the absolute final deadline to sign up and pay the fee at the Club office.

THE SAFE DRIVER

EACH YEAR, AT LEAST 19,000 PERSONS ARE KILLED AND MORE THAN A MILLION INJURED IN THE U.S. AS THE RESULT OF SPEEDING!

THE SAFE DRIVER NEVER EXCEEDS THE SPEED AT WHICH HE CAN MAINTAIN FULL CONTROL! HE'LL ALSO ADJUST HIS SPEED TO WEATHER, TRAFFIC AND ROAD CONDITIONS!

AT NIGHT, CUT YOUR SPEED BY ABOUT 10 MPH, AND MORE ON UNLIGHTED OR POORLY LIGHTED ROADS, OR WHEN WEATHER AND/OR ROAD CONDITIONS ARE BAD!