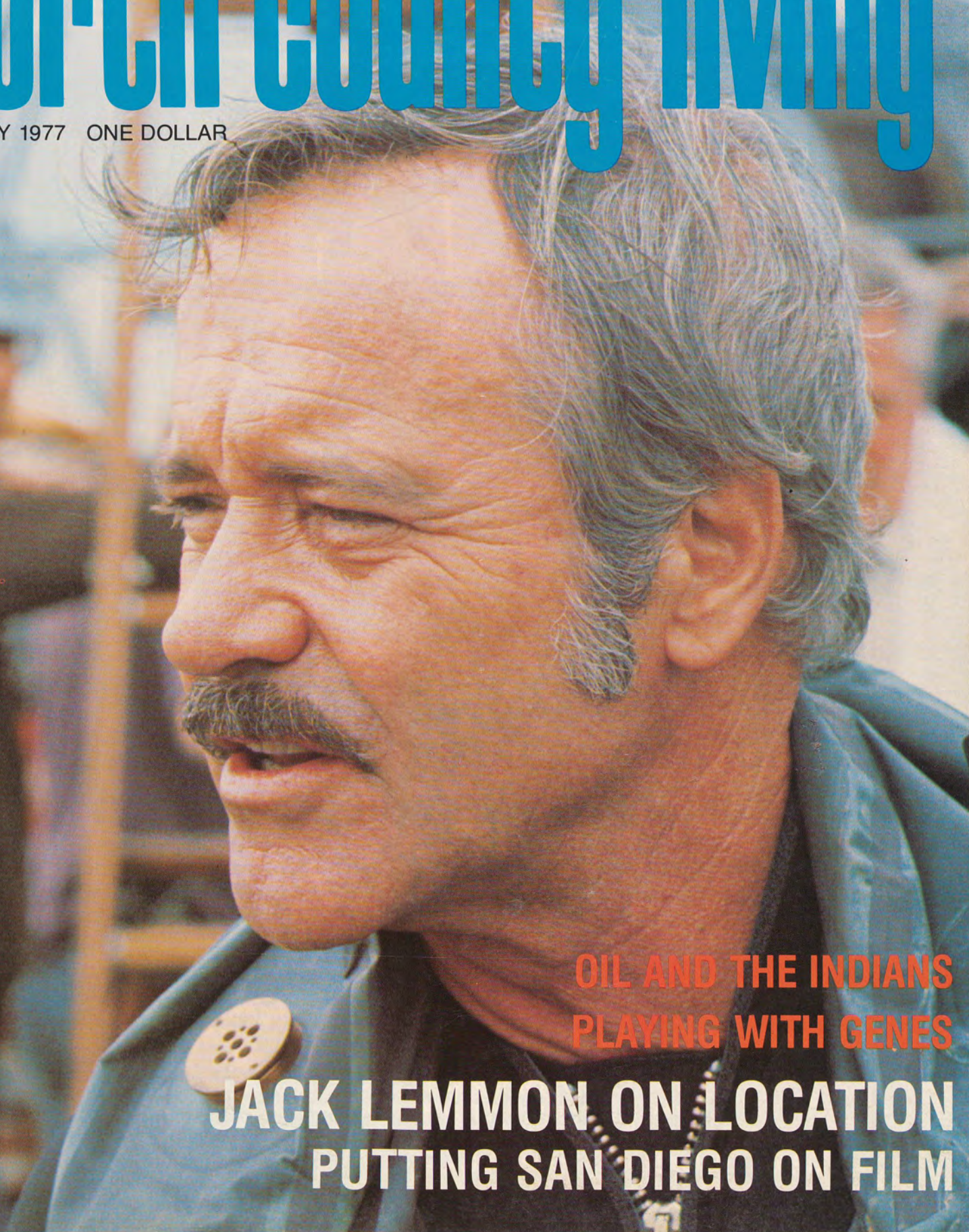


■ COYOTES IN TROUBLE ■ COPING WITH STRESS

SAN DIEGO'S

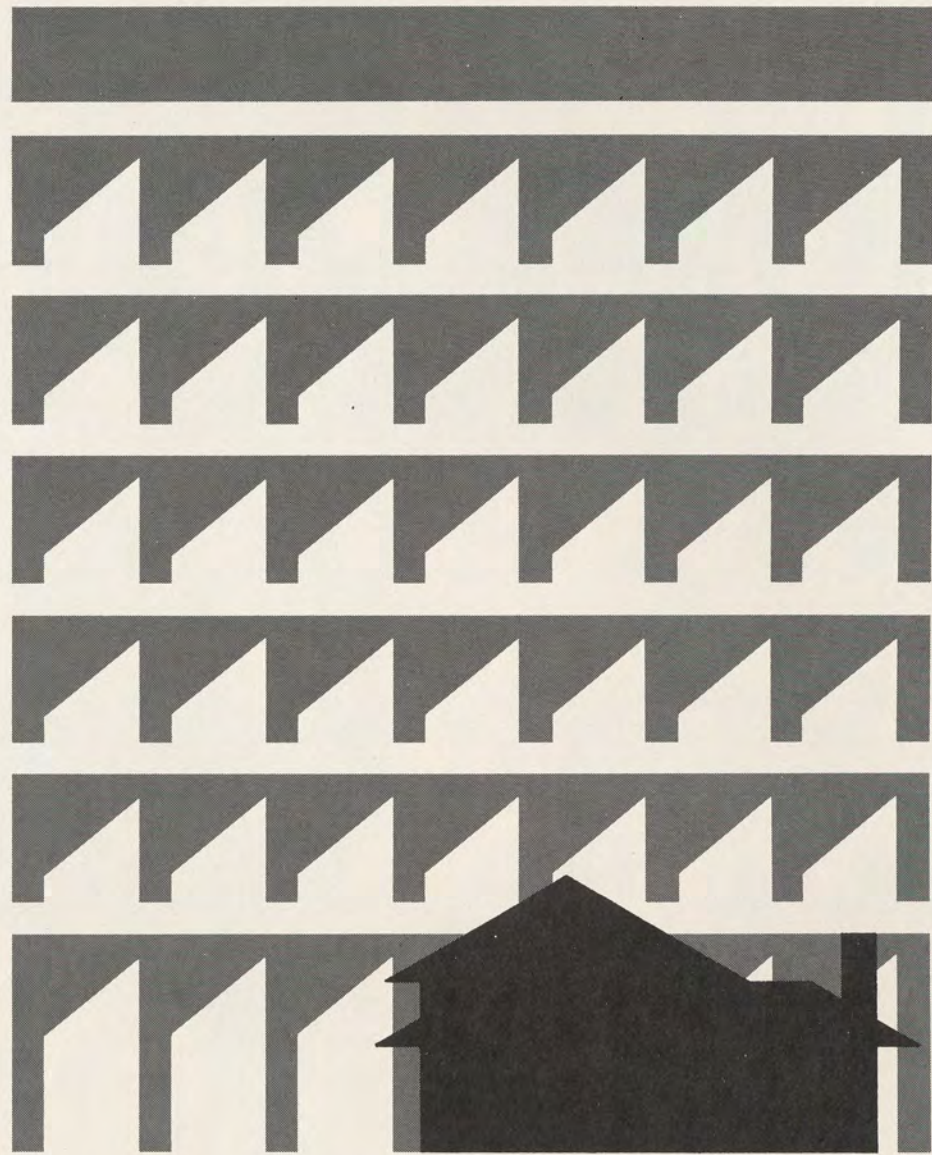
north county living

JANUARY 1977 ONE DOLLAR



OIL AND THE INDIANS
PLAYING WITH GENES

JACK LEMMON ON LOCATION
PUTTING SAN DIEGO ON FILM



**Over \$122,000,000.00 loaned
for new homes and commercial
buildings in San Diego County!**

When you save at La Jolla Federal, you can be sure *every dime* of your money is invested where it does the most good—*right here where we live!* Shouldn't *you* be saving at La Jolla Federal?

la jolla federal
SAVINGS AND LOAN ASSOCIATION

"Helping people save for sunny days since 1928"

PASEO DELICIAS, RANCHO SANTA FE
3187 NEWCASTLE AVENUE, CARDIFF-BY-THE-SEA
914 N. HIGHWAY 101, LEUCADIA 800 GRAND AVENUE, CARLSBAD
Other offices in San Diego, Spring Valley, Bonita and Fallbrook
Home office: 1100 Wall Street, La Jolla

The Plaza of the Four Flags



ENJOY BROWSING AMONG THE MANY UNIQUE STORES.

BALDWIN PIANO & ORGANS
BASKIN-ROBBINS 31 ICE CREAM
BOSTROM'S FOR THE HOME
CAPRICCIO'S RESTAURANT
CAROLINE & COMPANY
CHARLES EAGAN'S JEWELERS
CHOICE TRAVEL SERVICE
CORY BROTHERS MEN'S WEAR
JOLLY ROGER RESTAURANT
LA CANTINA LIQUORS

LOMAS SANTA FE CLEANERS
NEIL'S APPAREL
OCEANSIDE FEDERAL SAVINGS
SAFEWAY
CARRIAGE TRADE LTD. MEN'S WEAR
THE HAPPY HAIREM BEAUTY SALON
THE SHOE BOX
UNITED CALIFORNIA BANK
VILLA *Hallmark*
WALKER SCOTT DEPARTMENT STORE

THE PLAZA OF THE FOUR FLAGS AT LOMAS SANTA FE INTERSTATE 5 & LOMAS SANTA FE DR. SOLANA BEACH

EDITORS & PUBLISHERS
Ruth & Ralph Giffin

MANAGING EDITOR Rebecca Brown

ART DIRECTOR Phyllis L. Stover

TRAVEL EDITOR Ruth M. Giffin

CONTRIBUTING TRAVEL EDITORS
Choral Pepper, John Haase

FEATURES Igor Lobanov,
David Robinson, Marilyn Williams,
Joan Patrick, Diana Lerner,
Helen Cooper

COLUMNISTS Alice Dutton,
Zetta Castle, Don Dedera, Alan Pesin,
Troy Reynolds, Duke Marston,
Louella Liverwurst

PHOTOGRAPHERS Tony Francis,
Ernie Cowan, Jaffarian,
S. Michael Woodward, Dick Benton

ADVERTISING SALES Marjorie Sparks,
Clay Kemper

CIRCULATION MANAGER
Kathy Schiller

San Diego's NORTH COUNTY LIVING is published monthly by the Village Press, Inc. Known office of publication at 11844 Rancho Bernardo Road, San Diego, California 92128. Controlled circulation. Subscription rate: \$1 per copy, \$10 for one year, \$17 for two years, \$23 for three years. Change of address requires six weeks advance notice. Old address as well as new is necessary. General offices are in Rancho Santa Fe, California. Write to North County Living Magazine, Post Office Drawer Q, Rancho Santa Fe, California 92067. Telephone (714) 756-2415, (714) 453-0340. The editors assume no responsibility for unsolicited photographs and manuscripts. All rights reserved. Reproduction in whole or in part without written permission is prohibited.

ABOUT THE COVER: Jack Lemmon in a scene from Universal Studio's "Airport 1977," parts of which were shot in San Diego. Diana Lerner spent several days on the set and provides a close-up of the actors and production crew in this issue. Photo by Glenn Adams, courtesy of Universal Studios.

SAN DIEGO'S north county living

FEATURES

- 14 **Jack Lemmon On Location**
Universal Studios chose San Diego as location for three major films to be released this year. In this first of a three-part series Diana Lerner previews "Airport 1977" starring Oscar-winning Jack Lemmon.
- 22 **Coyotes In Trouble**
Coyotes have been receiving some bad press of late. Joan Patrick paints a more favorable picture of the role of the coyote in the ecology of North County.
- 26 **Andy Williams' San Diego Open**
J. C. Snead is seeking an unprecedented third title at this month's AWSDO, set for Jan. 27-30 at La Jolla's Torrey Pines course.
- 29 **Coping With Stress**
Is the pressure too much for you? Are you sick more often than you should be? The two may be related and there are things you can do about it.
- 34 **Oil And The Indians**
America's Indians were the pioneers of our petrochemical industry. Don Dedera reports on this little-known fact.
- 50 **Playing With Genes**
A complex and controversial biochemical technique, recombining DNA particles from different species, is being done at UCSD. Stephen Leeper talks with some of the researchers involved.

DEPARTMENTS

- 20 **This Is Living**
Edsel Titanic, a Don Dedera creation, is rivaling Murphy with his "laws of nature."
- 28 **Music**
Troy Reynolds talks with the inimitable jazz musician Les McCann.
- 32 **Travel**
You won't find color TVs, or ice machines at the San Ysidro Ranch, but you will enjoy a warm, country atmosphere in your own cottage at this beautiful resort.
- 40 **La Jolla**
Alice Dutton focuses on the jewel city.
- 43 **Rancho Santa Fe**
A special gazette of Rancho Santa Fe news by Louella Liverwurst.
- 48 **Rancho Bernardo**
The social scene in Rancho Bernardo as seen by Marge Gibson.
- 54 **La Costa**
Notes from Zetta Castle on Carlsbad's famous resort.
- 56 **Business**
Who's who, who's where and what's up in the business world.



Kaleidoscope.

Downtown San Diego dances in a dynamic kaleidoscope of color and light... a zestful perspective capturing the lively spirit of a New Year. San Diego Federal is an integral part of the scene... the statewide headquarters building is at left, located near the site of our first office, which opened in 1885. Dedicated to the thrift and home ownership needs of the community, San Diego Federal continues to reflect the dynamics of our hometown. San Diego Federal... a proud facet of the San Diego kaleidoscope.



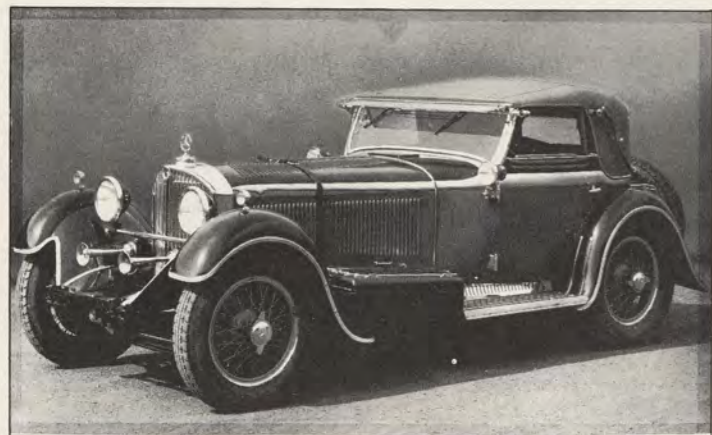
California's family financial center... safe since 1885.

- | | | |
|--|--|--|
| Del Mar
2751 Via de la Valle
at San Andres
Telephone: 755-9333 | Oceanside
815 Mission Avenue
at Clementine
Telephone: 722-1771 | Rancho Bernardo
16901 Bernardo Center Drive,
in Bernardo Town Center
Telephone: 487-5322 |
|--|--|--|

San Diego County: Downtown San Diego, Balboa & Genesee, Bonita, Borrego Springs, Chula Vista, Clairemont, Coronado, Del Cerro, Del Mar, El Cajon, Fashion Valley, 54th & El Cajon, Grossmont Center, La Jolla, Mission Hills, Mount Soledad, National City, Oceanside, Pacific Beach, Park & University, Pauma Valley, Point Loma, Rancho Bernardo, San Carlos, San Ysidro, Southeast San Diego, Los Angeles/Orange County: Century City/Beverly Hills, Hollywood, Universal City, Capistrano Beach, Laguna Niguel, Coachella Valley: Palm Springs, Desert Hot Springs, Palm Desert, Coachella, Indian Wells, Idyllwild, Rancho California, Northern California: Sacramento, Greenhaven, Los Altos, Menlo Park, Santa Cruz, Monterey.



Wally's GERMAN CAR SERVICE CENTER



Another version of the SSK, this one with cabriolet top.
(one of a series of pictures of the Mercedes from 1901-1963)

COMPLETE SERVICE
by
GERMAN TRAINED MECHANICS
FOR
BMW AUDI MERCEDES BENZ PORSCHE
436-4301 328 N. CAMINO REAL ENCINITAS

RANCHO SANTA FE PROPERTIES

MANAGING BROKER
Charles A. Chapin

ASSOCIATE BROKERS
George A. Baldry
James L. Jarnagin

ASSOCIATE
Grace Iarrobino



Across from the Inn Paseo Delicias Rancho Santa Fe

AT ISSUE

Our featured article this month ("Jack Lemmon on Location") is the beginning of a three-part series by Diana Lerner on the three major movies filmed in San Diego by Universal Studios, "Airport 1977" starring Jack Lemmon and a host of other big names; "Grey Lady Down" starring Charlton Heston, and "MacArthur" starring Gregory Peck.

Through interviews with producers, directors, cameramen, various other crew members and the stars themselves Diana gives us a rare, behind-the-scenes look at how major-budget pictures are made. The studio chose San Diego because all three films required the use of the U.S. Navy and because of its proximity to Los Angeles. This is despite an unfortunate clause in the Los Angeles Screen Actor's Guild contract that requires the use of L.A. Guild members as extras if filming is done within 300 miles of Los Angeles. Hollywood is taking care of Hollywood...

Diana spent several weeks of research on her series and through contacts made during her work she has been commissioned to act as script consultant on an upcoming TV series.

We are happy to bring you two excellent articles this month from our long-time friend Don Dedera. In his regular column, This is Living (which we feel many times should be followed by a question mark), he elaborates on Edsel Titanic's law with examples we will all recognize. Dedera's discovery of Edsel Titanic was duly noted recently in Jack Smith's column in the Los Angeles Times.

Dedera's diggings (he's an avid archaeologist in addition to being a prolific author) have also turned up some interesting examples of how groups of North American Indians used the various petroleum products they found around them in great abundance. In "Oil and the Indians" he reveals some of his findings.

Some months ago Diana Lerner authored an article for us on astrology and the next month we received a letter from an H. R. Meyers of Vista who wondered, as we wondered, how astrologers explain people who share the same birthdate, yet are not even remotely alike? We couldn't answer him, so we asked Diana and this is her response:

"A natal horoscope depends on four main factors: the year, date, city and time of birth. The year and birthdate tell the planets' positions according to sign and degree of the zodiac at noon or

midnight in Greenwich, England. The birth city tells the longitude and latitude which determine how far the birth city is from Greenwich. The planets are then corrected on the chart to coincide with the birth city. The time of birth specifically places the corrected planets within the circular framework of the zodiac which is represented by the twelve houses. The planets represent energies and the houses describe the environment within which they manifest themselves. The more obvious result of the house positioning of the planets places one sign of the zodiac on the ascendant. The ascendant describes what you physically look like. This is why one woman born at 1:45 p.m. in Florida is tall, blond and a lawyer while another one born at 6:00 a.m. in New Jersey is short, dark and a psychologist. They were both born in the same day in June in the same year."

Maybe we shouldn't have asked...

Those with only a high school or rudimentary college background in biology and/or chemistry may have some difficulty with parts of the article this month on the recombinant DNA research being conducted at UCSD. ("Playing with Genes") We have tried to keep the technical language to a minimum and have provided several sources of information for those wishing to study this complex issue further. We feel it is important for you to know not only how your tax dollars are being spent (most of the monies for this research come from the National Institute of Health), but also what the moral, philosophical and safety questions involve.

As the new year begins we look forward to 12 new issues and look back on 1976, which for us at North County Living was "the year that was." For those new readers who didn't "know us when," we underwent a radical change in format with our April, 1976 issue, bringing you a grand potpourri of North County news and features to be found nowhere else. We feel our magazine can offer to North County a forum for special local issues that may only be mentioned in passing in other publications. In future issues we will be featuring North County professional women—how they got where they are, what special problems they have encountered as a woman in a traditional male role. This will be a two-part series beginning in the February issue. We will continue to look at how various communities are dealing with the issue of growth, perhaps the most important problem facing North County, plus many personality features, historical sketches of our communities and a wide variety of other special interest features.

We wish you a happy and prosperous New Year. ■

El Bizcocho.

A superb restaurant!

The Terrace Room.

Great food. Great view!

DINING AND DANCING

Rancho Bernardo Inn

17550 Bernardo Oaks Drive San Diego
San Diego, California 92128

Dancing every Tuesday through Sunday. Call (714) 487-1611

January Sale!



Featuring Just
Some of the Finest
Art & Artists

- Robert Carter
- Gina Conche
- John W. Porter
- Alex Corbbrey
- Leo Jansen
- Leslie B DeMille
- Julie Gregory
- Boris Kutchukov
- Chuck Oberstein
- John Markwood

BILLY J BEEMAN ART GALLERY

Terms
Available
Layaway



"art for everyone"

No Interest
6 Months



Located in the New Village Square II
1510 Encinitas Blvd. 436-4113

Open every day until Christmas

JUST ARRIVED?

Welcome Wagon can help you with names and locations of schools, lists of community facilities, shopping information and anything else you'll want to know about San Diego. A Welcome Wagon Hostess will visit you with all this and free gifts as well. Call

NORTH COUNTY
753-3137
known around the world

Welcome Wagon

Repairing & restoring antique silver

Polishing & lacquering copper & brass



SHEFFIELD PLATERS

330 WEST DATE STREET
PHONE 233-3327

A HERITAGE of HOSPITALITY

NOW COMES TO

CARLSBAD & ENCINITAS

WITH THE

GRAND OPENING

of Two New

Rancho Santa Fe Savings Offices

Now RANCHO SANTA FE SAVINGS is offering their Heritage of Hospitality to the residents of Carlsbad and Encinitas. And now that we're in your neighborhood saving with us is not only smart—it's convenient.

You can also be secure in the fact that your savings will be growing with an interest rate of 8.06%*

We now have five locations and more than 40 million in assets; big enough to wisely handle your account, yet small enough to appreciate your business.

So stop by and visit us during our grand opening in Carlsbad or Encinitas. Meet the people with whom you'll be doing business.

You'll still find a smile and a warm hello at Rancho Santa Fe Savings. And the best savings advice around.

*Minimum deposit, minimum term

Stop by either office for free coffee and donuts, a Commemorative quarter and key chain, and other free gifts.

★ ★ ★



Rancho Santa Fe Savings & Loan Association

A Heritage of Hospitality • Your Brand of Savings and Loan.

Carlsbad Office 1207 Elm Avenue
Phone: (714) 729-7111

Encinitas Office Town & Country Shopping Center
411 Encinitas Blvd.
Phone: (714) 436-4222

Main office located in Rancho Santa Fe
Other offices located in La Jolla and Lomas Santa Fe



AROUND TOWN

SPECIAL EVENTS

Go Jump . . .

Jan 1 New Year's Day Splash: Members & guests of San Diego Rowing Club dive into San Diego Bay in display of faith in area's climate (est. 50° water). 12:30 p.m., 525 E. Harbor Dr. Food & drinks follow. The "Splash" dates back to Jan. 1, 1895. Free. 232-1898.

Jan 1 Penguin Day Ski Fest: The public is invited to vie for a "penguin patch" by going for a short waterski ride (tow & boat provided) without a wet suit. If you do not ski, you must jump in the water without a wet suit. 8 a.m.-1 p.m., De Anza Cove, east side of Mission Bay. Large block of ice to lay on is part of scheme. Penguin patches, approx. \$1. Free viewing & participation. 276-0830.

Jan.1 New Year's Day at the Races: From noon, San Diego Bay. Sponsor: San Diego Yacht Club. 222-1103.

Thru Jan 15 11th Annual San Diego Author Exhibit: Display of books published during 1976. Lobby, San Diego Public Library, 820 E St. Free.

Jan 15,16 7th Annual San Diego Invitational Rugby Tournament: 36 teams from the western U.S. compete, 8 a.m.-dusk, Robb Field, 2525 Bacon St., Mission Bay. Finals, 2 p.m. Jan. 16. Free. Sponsor: Old Mission Beach Athletic Club.

Jan 17 Baseball Night: Padres general manager Bob Fontaine and National League umpires Doug Harvey and John McSherry are guest celebrities at grand opening of North Shores Youth Baseball Umpires School. Showing of 1976 World Series film. 7:30 p.m., Pacific Beach Recreation Cntr., Diamond & Gresham Sts., Pacific Beach. Free. Sponsor: Pacific Beach Town Council. Info.: Bob O'Regan, 488-2278.

Jan 21-23 San Diego Western Film Convention: Western features, series & TV shows screened, 110-table dealers' room, "1877 Frontier Chuckwagon Banquet" and appearances by western film personalities. Noon-11 p.m. Jan. 21; 10 a.m.-11 p.m. Jan. 22; 10 a.m.-6 p.m. Jan. 23; El Cortez Hotel Convention Center, 7th & Ash Sts. Proceeds benefit San Diego Heart Assn. Advance adm.: 3-day, \$8 adult/\$12 couple/\$4 child; 1-day, \$3 adult/\$1.50 child. Adm. at door: 3-day, \$10/15/5; 1-day, \$4/1. Cowboy banquet w/film star at ea. table, Jan. 22; adm., \$10/person. 291-7454.

Jan 26-30 Andy Williams San Diego Open: 25th San Diego Open. \$10,000 Celebrity Pro-Am, Jan. 26-30. Leading golf pros compete in \$180,000 PGA 72-hole Open, 10 a.m.-late afternoon, Jan. 27-30. Torrey Pines Golf Course. Sponsor: Century Club of San Diego. Advance adm. (thru Jan. 24) \$5 daily/\$19 season. Adm. at gate: \$6 daily/\$24 season. 291-5372/453-1692.



BAMBOO HOUSE RESTAURANT

Your host, Calvin Jeng, will personally greet you and escort you to your table in this delightful rendezvous-restaurant where you will be served gourmet Cantonese cuisine amidst a background of ancient Chinese art. Luncheon and dinner specialties are artfully prepared by a lady chef. Open every day except Sunday (Mother's Day the only exception). Ample parking facilities. Parties a specialty. Call Calvin Jeng at 232-5391. 422 Market Street, San Diego.

THE COFFEE MILL

In the heart of Encinitas, it's so nice to find a dining spot that doesn't seem to know what a can opener is! Every vegetable served at the Coffee Mill is prepared fresh, and served piping hot with melted butter. The desserts are delicious — wonderful pies, and home-made old-fashioned puddings. A "bread basket" accompanies every dinner. Very, very reasonable prices. Open from 6 a.m. to 8:30 p.m. seven days a week. For reservations call 753-3183. 531 Highway 101, Encinitas.

LOS COMPADRES

Rancho Bernardo's finest specialty restaurant presents the utmost in Spanish-Mexican cuisine. Visit us during the week and enjoy our luncheon specials from only \$1.25. At anytime, enjoy the patio atmosphere and sip on the super margaritas. Relax in the intimate cocktail lounge and entertain yourself at our piano bar. Whatever the occasion or whatever the time, visit Los Compadres for a new experience in dining. Located in The Mercado, just East of I-5 on Rancho Bernardo Road. Open every day from 11 a.m. 485-0110.

LAURA'S ITALIAN RESTAURANT

Offers you the very best in authentic Italian cuisine. Owned and operated by the Scardino family since 1941, the menu offers a delightful mouth watering array from Veal Scaloppini, Veal Parmigiana, Cannelloni al forno, Manicotti al forno to raviolis, baked lasagna and the very best pizza in north county. Italian lunches and dinners with beer or wine, of course. Food to go. Banquet room and private dining room. Modest prices. Laura says to you, "Come join our family, to serve you is our pleasure." BankAmericard & Master Charge accepted. Open Wed. thru Mon. 11:30 a.m. to 10 p.m. 915 S. Escondido Blvd., Escondido, 745-5261.

THE IVANHOE

Intimate atmosphere, relaxed dining offering Steaks, Prime Rib, Crab Legs, Steak & Lobster Brochette, Seafood plus many other items including our famous Seafood Salad Bar all of which is included in the price of dinner. Open daily serving lunch 11 a.m. to 3:30 p.m. Dinner 5 p.m. Cocktails, dancing nightly except Monday. 14240 Poway Rd. East. 748-7531 and 566-2570.

OAK TREE

Offers especially good foods in an atmosphere of great charm. Indoor and outdoor dining, impeccable service and delightful house specialties — fragrant, crisp Bouncing Baby Popovers; Roast New York Strip, an aged, premium roast loin of beef sliced English style; Veal Cordon Bleu using Canadian Bacon and tangy Swiss cheese sauce, and their Breast of Chicken with a subtle cheese sauce is to write about! A variety of premium quality, aged steaks is offered, Sear-Charbroiled to your direction. Cocktails, of course, and the wine list is excellent and surprisingly varied. Modest prices, dinner reservations recommended. Open 11:30 a.m. - 2 p.m., Mon. thru Fri. only, and 5:30 - 9 p.m. weekdays, 5:30 - 10 p.m. Fri. & Sat. Closed Sundays. 7811 Herschel Ave., La Jolla, 454-1315.

RANCHO BERNARDO INN

In lovely Rancho Bernardo, overlooking the West Golf Course. Spanish decor. Complete continental dining in EL BIZCOCHO (the biscuit). Open for dinner, lunch and breakfast every day, 7:00 a.m. to 10:30 p.m. **Sunday Brunch**—11:00 a.m.-2:00 p.m. **Prime Rib Buffet** on Tuesday evenings. Dancing nightly in La Taberna Lounge Tuesday thru Sunday. Try the lobster, steak or crab legs in the **The Terrace Room**. Open for lunch and dinner every day except Monday. Dine on the golf course terrace with service from The Terrace Room 10:30 a.m. - 1:00 a.m.—a great oasis after your golf game. Call 487-1611. Located 5 minutes south of Escondido on Interstate 15.

SAN LUIS REY COUNTRY CLUB & RESORT

An enchanting mood is created for you when dining in the restaurant or enjoying a cocktail in the lounge. Both command a magnificent view of the smooth green golf course, contrasted by the rugged beauty of the rolling hills. San Luis Rey Downs is just 11 miles east of Ocean-side. Take Highway 395 to Camino Del Rey and turn west for 4 short miles. Dinner is served from 6:00 p.m. til 9:00 p.m. Monday through Thursday; on Friday and Saturday 6:00 p.m. through 10:30 p.m. Dancing Thursday through Sunday. Buffet every Sunday from 5:00 p.m. through 9:00 p.m. For reservations call: 758-0330.

Iberian who?



Thinking about changing things around just a bit? Iberian West Interiors can help you inaugurate some capital ideas for redecorating your home, many of them for practically peanuts. Our inaugural address: 7470 Girard Avenue in La Jolla. Telephone 454-0138 or 454-9131.

Iberian West Interiors
La Jolla's most complete interior design center.

PSA flies to San Francisco 13 times a day (from San Diego).

IF THE WHOLE WORLD IS LATE HOW COME PSA'S ON TIME?



Exclusive does something special for a man's suit

Yes, Exclusive-care for men does something for a suit that you can feel when you put the coat jacket on. Meticulous cleaning that's spotless quality in result — then — hand finished to put your suit back into its original shape. This is Exclusive's individual touch — a boon to your suit's good looks and your comfort.



Exclusive Cleaners

Call Collect

295-3156



3740 Park Boulevard, San Diego, California

PERFORMING ARTS

Jan 2 San Diego Symphony Benefit Concert: Part of Grand Opening of Town & Country Convention Center West, 2-6 p.m., 500 Hotel Circle No., Mission Valley. Adm.: \$10. 239-9721.

Jan 4-Feb 6 "Arms and the Man": Controversial early comedy by George Bernard Shaw (1894), 8 p.m. nightly except Mon.; 2 p.m. Sun. Old Globe Theatre, Balboa Park. Adm.: \$4.25 matinee/\$4.75 wknights/\$5.25 Fri. & Sat. eves.; student discount (matinee). 239-2255.

Jan 6,7 Troika Balalaikas: Russian folk music by trio of traditional instruments. 8 p.m. Jan. 6, Montgomery Jr. High School, 2470 Ulric St.; free. Sponsor: San Diego Mesa College, 279-2300, ext. 340. (bus rt. 4) 8 p.m. Jan. 7, Student Union, Palomar College, San Marcos; adm., \$2. 744-1150.

Jan 6,7,9 San Diego Symphony: Peter Eros conducts; Lorin Hollander, piano. 8 p.m. Thurs. & Fri.; 2:30 p.m. Sun. Civic Theatre, 202 C St. Adm.: \$5/6.25/7.50/8.50/9.50. 236-6510.

Jan 7-23 "The Shrike": By Pulitzer Prize recipient Joseph Kramm, 8:30 p.m. Fri. & Sat.; 7:30 p.m. Sun., Coronado Playhouse, Silver Strand, Coronado. Adm.: TBA. 435-4856.

Jan 8 Los Angeles Philharmonic: Conducted by Zubin Mehta; Joaquin Achucarro on piano and harpsichord. 8 p.m., Civic Theatre, 202 C St. Adm.: \$5.50/7/8/9.50. 224-2063.

Jan 8 Young People's Concert: "Special Guests of the Orchestra" by San Diego Symphony w/pianist Lorin Hollander, 10 & 11:30 a.m., Civic Theatre, 202 C St. Adm.: \$2; child, \$1. 239-9721.

Jan 10 Deatheridge Piano Quartet & Chamber Music for Winds: 8 p.m., Camino Hall, Univ. of San Diego, Alcala Park. Free. Sponsor: Chamber Music Co-op & San Diego Mesa College. 279-2300, ext. 340.

Jan 10 International Trio: Piano, violin & cello, 8 p.m. P-32, Palomar College, San Marcos. Adm.: \$2/1. 744-1150, ext. 255.

Jan 13, 14 San Diego Symphony: Peter Eros conducts; Rafael Druian, violin. 8 p.m., Civic Theatre, 202 C St. Adm.: \$4/5.25/6.50/7.50/8.50. 236-6510.

Jan 14-23 "Best Foot Forward": Musical comedy—nostalgia of 1940's prom, 7:30 p.m. Fri. & Sat.; 2 p.m. Sat. & Sun. Casa del Prado Theatre, Balboa Park. Gen. adm.: \$1.50; under age 18, \$1. Reserved: \$2.50; under age 18, \$2. 239-8355.

Jan 14-Feb 5 "Butterflies Are Free": Sentimental comedy by Leonard Gershe, 8 p.m. Fri. & Sat., Patio Playhouse, in The Vineyard, 1511 E. Valley Pkwy., Escondido. Matinee, 2 p.m. Jan. 23 & 30. Adm.: \$2.50; under age 18, \$1; senior, \$2; group rates. 746-6669.

Jan 14-Feb 20 Actors Quarter Theatre: "The Loss of Roses," 8:30 p.m. Fri. & Sat. Adm.: \$3; student, military & senior, \$2.50. "Timothy Thomas & The Mermaid," children's play, 2 p.m. Sat. & Sun. Adm.: \$1.50; child, \$1. 480 Elm St. 238-9609.

Jan 18-Feb 20 "The Queen and the Rebels": Drama by Italian playwright Ugo Betti, 8 p.m. nightly except Mon.; 2 p.m. Sun. Carter Centre Stage, Balboa Park. Adm.: \$4.25 matinee/\$4.75 wknights/\$5.25 Fri. & Sat. eves; student discount (matinee). 239-2255.

Jan 19 Bert Turetzky & Friends: Concert of Renaissance/Baroque & beyond, 8 p.m., Mandeville Center, Univ. of Calif., San Diego. Reception in East Room follows concert. Adm.: TBA. 452-4559.

Jan 20-22 San Diego Dance Theatre: 8 p.m., Main Stage, Dramatic Arts Bldg., San Diego State Univ., 5402 College. Adm.: TBA. 286-6947.

Jan 20-22 "Country Girl": Drama, 8 p.m., Arena Theatre, Southwestern College, 900 Otay Lakes Rd., Chula Vista. Adm.: \$1.50. Reserv. req. 421-1691.

Jan 23 Christopher Parkening, Guitarist: 8 p.m., Spreckels Theatre, 121 Broadway. Adm.: \$3/5.50/7.50/8.50. Sponsor: Sinfonia. 454-5655/276-9022. Ticketron outlets.

Jan 23,25,28 & 30 "Die Fledermaus": ("The Bat"). Johann Strauss' opera by San Diego Opera Co. 8 p.m. Jan. 23; 7 p.m. Jan. 25; 8 p.m. Jan. 28; 2:30 p.m. Jan. 30. Civic Theatre, 202 C St. Starring Johanna Meier as Rosalind. Adm.: \$5-16. 236-6510.

Jan 24-29 "The Royal Family": Edna Ferber/George S. Kaufmann comedy of acting family resembling Barrymores. Starring Eva Le Gallienne and Sam Levene (both of Broadway cast), Leonard Frey and Carole Shelley. 8:30 p.m. Mon.-Sat.; 2:30 p.m. Wed. & Sat. Spreckels Theatre, 121 Broadway. Adm.: evening, \$5.50/10.50/12.50; matinee, \$4.50/8.50/10.50. 231-8995.

Jan 28,29 Paul Taylor Dance Co.: Modern dance, 8 p.m., Main Stage, Dramatic Arts Bldg., San Diego State Univ., 5402 College. Adm.: TBA. 286-6884.

Jan 28-Feb 12 "LUV": Stage play, 8 p.m. Fri & Sat.; matinee, 2 p.m. Feb. 6. North County Community Theatre, 121 W. Orange Ave., Vista. Adm.: \$3.50; under age 15 & senior (matinee only), \$2. Reserv. req. 726-9802.

Jan 30 Ennis Fruhauf, Organ Recital: 4 p.m., St. Paul's Church, 2728 Sixth Ave. Free-will offering. 298-7261.

Jan 31 Sneak Preview of "The Medium": Gian-Carlo Menotti's opera directed by Tito Capobianco of San Diego Opera w/young Southern California talent. Refreshments, 5 p.m. Show, 5:30 p.m. City College Theatre, 14th & C Sts. Adm.: \$2.50. 232-7636.

Jan 31-Feb 5 "Bubbling Brown Sugar": Musical Harlem nostalgia revue by Lofton Mitchell. Starring Jay Flash Riley, Mable Lee, Vernon Washington, Charles (Honey) Coles and Ursline Kairson. 8:30 p.m. Mon.-Sat.; 2:30 p.m. Wed. & Sat. Spreckels Theatre, 121 Broadway. Adm.: evening, \$6/12.50/15; matinee, \$4.50/8.50/10.50. 231-8995.

MISCELLANEOUS EXHIBITS

Jan 13-16 11th Annual Winter San Diego Antique Show & Sale: 1-10 p.m. Jan. 13-15; noon-6 p.m. Jan. 16. Exhibit Hall, San Diego County Fairgrounds (adj. to Del Mar Race Track), Del Mar. Take Via de la Valle exit from Int. 5 Adm.: \$2 (\$1.75 w/discount card); child, free. 682-7980.

Jan 15,16 San Diego Camellia "Mini" Show: Noon-5 p.m. Jan. 15; 11 a.m.-5 p.m. Jan. 16. Majorca Rm., Casa del Prado, Balboa Park. Free. 232-5762, MWF.

PRIVATE DUTY NURSING

Johnson's
BABY SITTER AGENCY
NURSES' REGISTRY

State Licensed

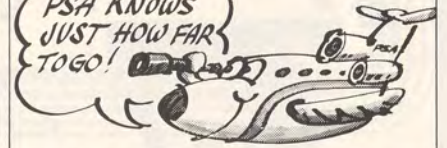
Phone 745-1895

"We Guard Your
Dearest Possessions"

922 Hamilton Lane
Escondido, CA 92025

PSA flies to Hollywood-Burbank 5 times a day (from San Diego).

PSA KNOWS
JUST HOW FAR
TO GO!



GOOD OL' COUNTRY LIVIN'

(at an affordable price)



An absolutely beautiful family dream home of the finest construction, designed in charming Dutch Colonial tradition. This often admired 3½ acre country estate is located in the most desirable area of the Olivenhain Valley (a lovely rural community nestled between Rancho Santa Fe and La Costa).

The spacious home (2450 sq. ft.) has a very well designed floor plan with 4 bedrooms, 2½ baths, family room and private office. The tasteful use of used brick and wood surrounds you with warmth the moment you enter. Other features include a huge double fireplace, large covered patio, a delightful open kitchen with every built-in appliance, intercom, finest wall to wall carpeting in deep orange, horse corral and barn, citrus trees, and a spacious garage with extra storage. All for \$145,000.

Shown by appointment only.

MAIN OFFICE
2236 Encinitas Blvd.
Encinitas, California 92024
714/436-5005

OLIVENHAIN OFFICE
770 Rancho Santa Fe Road
Olivenhain, California 92024
714/753-0963



CUSTOM HOMES • COUNTRY ESTATES • RANCH PROPERTIES • LAND

For Those Who Want the Very Best

La Jolla
Smitty's CARPET CLEANING, INC.



CHARLES SMITH
Owner

30 Years In La Jolla
And Rancho Santa Fe



STEAMWAY METHOD
ALONG WITH
'CERTIFIED' SHAMPOO

**STEAM
WAY**
459-3269



Lovingly yours...
forever
and ever.



ERNIE COWAN PHOTOGRAPHY
339 West Second St.
Escondido, California 92025
(714) 741-0331

FILMS & LECTURES

Jan 2-30 International Family Film Festival: La Jolla Museum of Contemporary Art, 700 Prospect St., La Jolla. Sponsor: La Jolla Light and Journal. Films from European countries which depict the flavor of children growing up in those countries. Jan. 2, "When the Cat Comes," Czechoslovakia. Jan. 9, "The Magic Horse" and "Black Patch," U.S.S.R. Jan. 16, "The Red Balloon" and "White Mane," France. Jan. 23, "A Dog of Flanders," U.S.A./Netherlands. Jan. 30, "The Magic Fountain," U.S.A./Austria. All films at 1 p.m. Free.

Jan 5 Tour of Encina Power Plant & Lobster Project: Study of effects of warm water discharge on marine life, 9 a.m. to 3 p.m., San Diego Gas and Electric plant in Carlsbad. Reservations required, 279-3664. Admission: \$4. Sponsor: Natural History Museum auxiliary.

Jan 5-26 "Spaceship Earth": Planetarium show, 7:15 and 8:30 p.m. Wednesdays, Palomar College, San Marcos. Free. Phone 744-1150.

Jan 7-8 & 14-15 "Stop, You're Driving Me Crazy": Two-part course on indirect or passive aggression, 7 to 10 p.m. Fridays and 9 a.m. to 4 p.m. Saturdays (Jan. 7-8, 14-15), University of California, San Diego. Directed by George R. Bach, Ph.D., includes two films, "Lovers' Dirty Tricks" and "Affection-Producing Fight Games." Sponsor: University Extension. Credit of two quarter units available, \$78. further information, 452-3430.

Jan 8-9 "Elsa The Lioness": Film sequel to "Born Free," 1:30 and 3 p.m. Natural History Museum, Balboa Park. Free with museum admission (adult, \$1). Phone 232-3821.

Jan 8-9 Nature Films: 3 p.m. Saturday and Sunday, Museum, Torrey Pines State Reserve. Museum closed New Years Day. Free with parking permit (car fee, \$1.50; bus, \$5). Phone 755-2063.

Jan 9 "Congorilla": Film showing capture of M'Bongo, mountain gorilla; dances and ceremonies of Ituri Pygmies. Also "Monkeys and Apes." Noon and 2 p.m. Sunday (Jan. 9), Action Room, Museum of Man, Balboa Park. Free with museum admission: 10-75 cents. Phone 239-2001.

SPORTS

Jan 15 13th Annual Mission Bay Marathon & Half-Marathon: Runners travel Olympic distance course (26 mi., 385 yds.) around east side of Mission Bay Course. Incl. top U.S. & Mexican runners. Start, 8 a.m., N. Mission Bay Dr. Awards, approx. 12:30 p.m. Entry: \$3 prior to Jan. 10; \$5 for late entries; \$1 for half-marathon. Entries at Mission Bay Info., AAU office, San Diego Parks/Rec. Dept.

Step on a crack,
break your mother's back

Jan 27 Hopscotch Tournament: Event for all ages, boys, girls and adults. 9 a.m. Conference building, Balboa Park. Free. Sponsor: San Diego Parks/Rec. Dept.

ART EXHIBITS

Thru Jan 13 Miniatures and Small Images: Special holiday showing of small works of art by 65 San Diego artists. Knowles Art Center, 7420 Girard Ave., La Jolla. 454-8515.

Thru Jan 14 "200 Years of Quilters Art, Part IV": Contemporary San Diego quilts and quilted objects. The public is invited to join in working on crazy quilt started in 1876. Upstairs gallery, Villa Montezuma, 1925 K St. Free. 239-2211.

Thru Jan 23 Dr. Seuss: Unpublished drawings dating back to 1929. La Jolla Museum of Contemporary Art, 700 Prospect St., La Jolla. 454-0183.

Jan 1-31 Easter Island Petroglyph Rubbings: Bird cult petroglyph rubbings from a newly opened archaeological site on Rapa Nui. Impressions taken by Michael Beede with acrylic paints on cloth. Bozarius Trading Co., 1401 Camino del Mar, Suite 102, Del Mar. 755-2646.

Jan 1-31 "An American Portrait": Exhibit from Transworld Art., New York. Fine Arts Gallery, Balboa Park. 232-7931.

Jan 1-31 Multi-Media Show: Paintings, watercolors, drawings and sculpture from gallery collection. A. Huney Gallery, 3746 Sixth Ave. 296-1522.

Jan 1-31 Seascapes & Portraits: Oils & prints by noted seascape artist Uwe Werner. Latest portraits & etchings by Robert Freeman. Desert scenes by Paul Weber Jr. Kesler Art Galleries, 2481 Congress St. & 2521 San Diego Ave., Old Town. 291-0119.

Jan-Feb Mingei Arts of Japan: Japanese folk arts display. Fine Arts Gallery, Balboa Park. 232-7931.

Jan 3-31 Edmond Woods, Oil Paintings: Corridor Gallery. San Diego Public Library, 820 E St. 236-5800.

Jan 3-31 Douglas Beckett, Watercolors & Drawings: Reception, 5-8 p.m. Jan. 3. Artists' Co-operative Gallery, India Street Art Colony, India & Washington Sts. 296-0200.

Jan 14-Feb 10 Three-Artist Show: Paintings, collages and prints of Patt Beutel, Frances Crowell and Mavis Parker. Knowles Art Center, 7420 Girard Ave., La Jolla. 454-8515.

Jan 28-Mar 13 Environmental Work & Mini-Drama: "The Maze," setting created by Patrick Ireland in the museum. Christian Boltanski, narrative photographic sequence. La Jolla Museum of Contemporary Art, 700 Prospect St., La Jolla. 454-0183.

Jan 29-Mar 13 Ballet Set & Costume Designs: 125 watercolors of set & costume designs by European artists of the School of Paris—Braque, Ernst, Gris, Miro, Picasso, etc. Fine Arts Gallery, Balboa Park. 232-7931.

Most Sat & Sun Outdoor Art Marts: 9 a.m.-5 p.m. Mission Bay Park—near Islandia Hyatt House on Quivira Rd., south of San Diego Hilton on E. Mission Bay Dr. and on W. Vacation Isle (bus rt. 37). Balboa Park—1st wknd ea. mo., Park Blvd. at Presidents' Way. (bus rt. 7) Monthly (call for dates) at South Bay Park, 19th & Coronado Ave. (bus rts. 33, 100) and at La Jolla Recreation Center, 615 Prospect St., La Jolla. (bus rts. 34, 14) Sponsor: San Diego Parks/Rec. Dept., 239-4717. 10 a.m.-5 p.m., San Diego Ave. & Conde St., Old Town State Park. 222-2197.

dave murphy 753-3873
paul murphy interiors 1337 encinitas boulevard
encinitas*

WHITE ELEPHANT FLOOR SALE
as much as 40% off!

*alpha beta shopping center



FIRST FLOOR	SECOND FLOOR
LOS COMPADRES Mexican restaurant 485-0110	LIZ/BETH'S FASHIONS Women's Fashions 487-2120
GRAND CENTRAL DELI Delicatessen & sandwiches 487-3222	& 29 THE POLLYANNA Selected clothing & gifts 487-1922
MAHARANI Exotic Clothing & Jewelry 487-8033	GEPPETTO'S—A CHILD'S FANTASY Toys & children's clothing 487-1312
SWISS HEALTH CHALET Food Supplements, sandwiches & salads 487-2878	THE HAIR PLACE Women's and Men's Hair Styling 487-3328
IT'S ABOUT TIME Clocks & Watches, sales and service 487-8255	SPIN-A-YARN Needlepoint, Yarn, Stitchery and Weaving 487-3510
FLYNN'S CANDLE SHOP Candles and gifts 487-0677	MERCADO TRAVEL Travel Agency 487-3600
CLAY'S GOOD EARTH Woodcarving & sculpture 487-4290	GALERIA MEXICANA Distinctive Mexican Imports 487-3508
THE SUNCATCHER Stained Glass, Music Boxes, Paper Weights 485-5454	SANDERS SECURITY SERVICE Guards, Dogs, Patrol 743-9949
STUDIO WEST Art lessons, Custom Framing & Original Art 487-8365	SHAKLEE Training Center 485-6890
SERENDIPITY Cards & gifts & lamp shades 487-3777	LEONARDO'S TONSORIAL PARLOUR Men and Ladies' hair styling—of fashioned hair cuts too! 487-8022
BOSWORTH'S Exclusive Confections 485-5633	MERCADO OFFICE Administration, Advertising, Public Relations of Mercado 485-6111 or 566-1301
TANNER'S INDIAN ARTS American Indian jewelry & arts 487-8232	R.B. BOOKSTORE Book & Record Shop, Smoke Supplies, Film & Cameras 487-2114
ALLAN KRAVITZ SCULPTURES Copper sculpture and fountains 487-7911	NEW WORLD GOLDSMITHS Original jewelry in 14 & 18K gold 487-2820
FASHION FREIGHT HOUSE Fashions - misses & juniors 487-7498	SHAH ABBAS Oriental Rugs 487-1940
JANSEN'S Gifts of distinction from Around the World 487-2421	RANCHO OAKS REALTY Investments, Homes, Rentals 487-7502
ROWENA'S Misses Sportswear and Dresses 485-0330	WICKER BAZAAR Wicker Furniture & baskets 485-0631
ASIAN GUNZLI Oriental imports 487-4266	WALKER & LEE BURGNER REALTORS Real Estate Specialists 487-3333
THE LEATHER POUCH Leather Clothing and Accessories 485-1570	THE MERCADO ART GALLERY Oil Paintings & Frames 485-1110
WHAT'S HAPPENING NOW Fashions for the Contemporary Ms. 487-1707	R.B. MEN'S STORE Men's Clothing & Shoes 487-5587
GOURMET UNLIMITED Gourmet cookware, wine & beer, and delicacies 487-2661	TOWEL & TUB Bathroom accessories & gifts 487-5508
VAN'S BELGIAN WAFFLES & CREPES Waffle & crepe shop 487-4164	NORTH EAST PARKING LOT RANCHO MERCADO NURSERY Full line of Nursery Products, pottery & gifts 487-7413
ANIMAL KRACKERS Soup, Salads, Sandwiches & Ice Cream 487-9106	
NEMO'S COVE Seafood Restaurant 485-5810	

THE MERCADO HIGHWAY 163 (I-15) AT
RANCHO BERNARDO RD.



John Anderson wets down Brenda Vaccaro and Jack Lemmon.



Director Jerry Jameson with Joseph Cotten
14 | JANUARY 1977

Universal Studios chose San Diego for their three biggest films for 1977; 'Airport 1977,' 'Grey Lady Down' and 'MacArthur.'

SAN DIEGO ON SCREEN

By Diana Lerner

All photos courtesy of Universal Studios

Dining out in San Diego one evening last fall you thought you saw someone you recognized. Chances are, if you frequented any of the harborside restaurants, you may have seen Joseph Cotten, Jimmy Stewart, Olivia de Havilland, Jack Lemmon, Darren McGavin, Lee Grant . . . and the list goes on and on.

Universal Studios chose San Diego as the prime location for their three biggest films for 1977, "Airport 1977," "Grey Lady Down," and "MacArthur." The three have a combined production tab of over \$30 million.

"Airport 1977," the child of "Airport 1975" and grandchild of the original "Airport" is another of the disaster epics, featuring a star-studded, Academy Award-winning cast that includes Jack Lemmon, Olivia de Havilland, Joseph Cotten, Darren McGavin, Jimmy Stewart, Lee Grant, Gil Gerard, Mike Pataki, George Kennedy, James Booth, Robert Hooks, Christopher Lee, Pamela Bellwood and Kathleen Quinlan.

"Grey Lady Down" stars Charlton Heston and La Jolla's own Gregory Peck is the star of "MacArthur." This month we talk with the stars and production crew of "Airport 1977." Next month we will feature Charlton Heston in "Grey Lady Down" and in March, Gregory Peck and "MacArthur" with some interesting comments from Peck on the state of the arts in San Diego.

Why did Universal choose San Diego? There was no premeditation to use San Diego for all three movies and, in fact, members of each cast and crew were not aware that so many of their fellow artists would be in town. The primary reason was that all three movies required the use of U.S. Navy vessels. A second, and very practical, reason was the fact that San Diego is just a stone's throw from Hollywood, a feature that saved both time and money.

"Airport 1977" is a Jennings Lang production from an original screenplay



Jimmy Stewart



Olivia de Havilland

by David Spector and Michael Scheff. "Airport's" producer William Frye teams up with director Jerry Jameson to produce what looks to be the most exciting of the "Airport" series. These could turn out to be the new "James Bond" movies, each sequel more exciting than the one preceding.

Pre-production trips took Frye to Seattle to the Boeing Aircraft factory, home of the 747 jumbo jets. A basic price tag of \$30 million plus another \$15 million for "interior decoration" sent Frye back to Universal studio wizards who constructed the airplane part that was needed for the film, for a lot less money.

"I think the biggest problem of this movie was building the main lounge of the fuselage. The fuselage alone cost over \$350,000. The overall sets cost over a million and a half. The fuselage had to be built in such a way so it could withstand thousands of gallons of water pouring through it. We proved this by dumping 60 to 70 thousand gallons of water through it in two days of shooting," Frye said.

We were talking to Frye aboard the *U.S.S. Cayuga*, a San Diego-based LST (Landing Ship, Tank) vessel. The scene being filmed involves divers going down off the *Cayuga* and jumping from helicopters. Frye outlines how this particular sequence will be put together: "They will next be picked up in Wakula Springs, near Tallahassee, Florida. The next shot after Wakula will be a close-up in a tank in Hollywood. In order to get one sequence put together it takes three different locations.

For Universal to use Navy equipment and personnel it was necessary to clear Navy channels. Commander William Graves, the director of the Navy Office of Information in Los Angeles, served as the liaison officer between the film industry and the Navy. "When anyone wants to make a film about the Navy they have to have someone from the Navy there and in this case I'm the person involved. 'Grey Lady Down' will

'The biggest problem of this movie was building the main lounge of the fuselage. The fuselage alone cost over \$350,000.'

also be filmed in part aboard this ship (*U.S.S. Cayuga*) which is really unusual to use the same ship twice for different pictures. It's the first time I've known it to happen."

The Navy chose the *Cayuga* according to Universal's requirements, although the studio did not get their first choice. "They wanted to use a different ship, a submarine rescue ship, which was not available," commented Peter Latreta, public affairs officer for the Commander of the Naval Forces Surface Fleet. "They had to get a ship to fill their requirements which, as you can see, are quite staggering. They needed a ship that could hold and feed many extra people. That meant we had to use an amphibian ship because our destroyers, cruisers and surface ships do not have the extra space."

And the cost of using a Navy ship? "The studio that uses a Navy ship has to pay for it. We don't give it to them for free. We don't know yet exactly how

much this will cost; there is a set charge for this ship. We don't rent it or lease it," Latreta explained, "but there is an operating cost. The cost varies depending if the ship is at anchor or steaming. We've done both. This morning we were steaming and now we're at anchor. In other words, the Navy is reimbursed for everything used in making this movie."

The leaden horizon blended with the grey waters that early morning. Jimmy Stewart, dressed debonairly in a grey, pin-striped suit, sounded more like a star-struck onlooker than the veteran that he is. "This is quite an operation. They've got hundreds of people out there."

Production manager Lloyd Anderson was also overwhelmed by the size of the operation. "Including the ships, helicopters and the plane, my God, you've got so much equipment you ought to invade somebody," he remarked to producer Bill Frye.

We were surrounded by swarms of little boats which zoomed around our huge, grey hulking mother ship. These little amphibian transports are the famous "zodiac" boats, each one commanded by two members of the Navy's underwater demolition team. One member would steer the boat while the other would stand astride the raft like a charioteer in "Ben Hur." The boats were used to ferry company members from the large shuttle boats to the lowered ramp of the *Cayuga*. Rough seas made it too dangerous to draw the larger boats alongside the large transport ship.

We were delivered into the bowels of the ship, an enormous cavity large enough to hold many full-sized, van-like trucks. We all scurried up on deck where the day's shooting was taking place. There was literally a cast of hundreds including over 200 members of the Navy stationed on the *Cayuga* itself.

Bob Graner, a second assistant director, gave us a verbal tour of the bay from the bridge. "The boat you see over there is the *Echo*, one of the shuttle boats we came in on. The tug boat over there is used for the second unit. You can see some of the zodiac boats and a UDT (Underwater Demolition Team) boat over there. We have another Bos-

ton whaler which is a work and command boat. There is a Coast Guard cutter in the background which came down from L.A. There is a destroyer sitting right over there and another LST is being used as a background."

Actors playing some of the passengers have been waiting on deck for hours, most wrapped in grey, wool Navy blankets against the chill. There is no such thing as an exact camera call. The actor has to be available when the director needs him and for as long as he needs him. For the actors, it's all part of the life.

Pamela Bellwood, standing nearby, talked of her film experiences. She had just finished "Two Minute Warning" for Universal starring Charlton Heston. "It's a different feeling to be on film. On stage in New York and London where I trained, it's something that I understand. This is a completely different feeling—it's so exciting. It's like a whole new profession. On stage the actor controls the audience; on film the camera lens does the controlling."

Pert Kathleen Quinlan, starlet of *Lifeguard*, claims to be unaffected by her recent rise to stardom. "I don't pay much attention to movie stars. They're the same as everybody else." "Airport 1977," with its large cast and complex set arrangements is a different experi-

ence for Kathleen. "This movie is a lot more complicated than the other two I've been in. You have to learn to discipline yourself to sit around. Most of all I like seeing how movies are made."

Lunch time arrives and we find ourselves in line with Joseph Cotten, Jimmy Stewart, electricians, extras, directors, et al. Over lunch with Wilbur Mosier, the assistant director, we discuss the challenges in making this film. "The logistics are incredible," says Mosier. "You only see a little of it here, but this is only one segment of the shooting schedule. We shoot certain sets of the airplane dry, then shoot them after the airplane is wet and then when it's tilted after it crashes. When we shoot it after the water comes up over the sides of the plane . . . back at the studio on Stage 27 we have a huge tank that the whole main lounge of the airplane fits into. The entire set is lowered into the tank by a huge crane."

Jim Wharton, assistant to the producer, interjects. "The set itself is like a superstar. It has a life of its own."

The reigning elegant lady of the cinema, Olivia de Havilland, is all smiles and graciousness and is enjoying this location shooting. She was one of the first volunteers to go on the zodiac boat and she said of her experience, "I'm absolutely wild about them and would

like to have one of my very own. I think it's all very exciting and intriguing." She spoke of her plans after "Airport 1977." "I've got some more scripts to read when I get back. I've just finished one and I know *that's* not going to be the one. After today I'll go back to Hollywood to prepare for the arrival of the company when it returns from San Diego."

Olivia later found a script that suited her and she has left for Vienna to start a new movie.

The publicist of "Airport 1977" is Carol Shapiro. It is her responsibility to see that publicity is handled correctly. Her job demands that she be in several places at the same time, a feat that she handles quite well. "For someone who's working on publicity a picture like this is fabulous because it's such a large cast of well-known people plus a number of newcomers. This picture has a little bit of everything; people who have been in the business for 40 years as well as people just starting out. Working with professionals like Olivia de Havilland one doesn't have to say to her, 'Um, somebody's taking a picture of you.' She sees that the photographer is there and she'll smile and wave. That helps make my job a lot easier."

Back down on deck, John Anderson,

Universal studio set designers created the aircraft interior at a price well under Boeing's \$45 million pricetag for the use of one of their 747 jumbo jets.



Water floods the main lounge.



The overall sets for 'Airport 1977' cost over a million and a half dollars.

men's wardrobe supervisor, and Don Russuti, his assistant, wait bucket-in-hand to wet down stars Brenda Vaccaro and Jack Lemmon. As happy spirits will have it, Jack takes matters into his own hands and playfully wets Brenda himself. She smiles good-naturedly and photographers snap away. Director Jameson has to wait until the make-up man fixes Brenda's mascara to resume shooting.

Lemmon, referred to on the set as "The Biggie," has commissioned a special sign for his dressing room door. It reads:

Biggie

"If you've made one picture you are already immortal . . . but you may have a bit of bird shit on your shoulder."

We asked him if he had a preference for playing straight or comedy roles.

"No, not really. It all depends on the role itself. They both have to be played just as seriously and straight. If you ever think that you're being funny, you're dead, because it will show. There is a difference only in the level of playing and there is a sense of timing of course that you have in comedy. Some people think that if you're a comedian you're not an actor."

Lemmon got into show business at an early age. "I wanted to be an actor when I was very, very young. It was through school plays that I became interested in acting, purely because it worked for me and I was accepted. I think that children do well any time they have a sense of acceptance; they gravitate towards that field as a result of that acceptance."

"As an actor the first really good part I got was in summer stock with Roddy McDowall. He was touring with a play called "Young Woodley." I was in the resident company of Marblehead players as an apprentice and had already been fired out of two plays for incompetence. Roddy's mother was trying to get an all-British cast. Two English kids in a row came out to read on stage. Roddy and his mother were sitting up in the front row of the balcony. The actors would get about four sentences out and she'd stand up and bellow, 'He's not British!' and out came the hook and you were off. Now here comes schmucky Lemmon out there and I thought, 'Oh my God, it's my turn,' so I started out very, very British. I waited for the hook and she stood up and said, 'Thank God, for the British boy' and I got the part. It's a crazy business, but that gave me theumph to keep going and really stick it out.

"I love film. It's just sensational as a medium and every time I do it I fall more in love with it, but I miss giving a sustained performance and having an

audience. You can change in film and do it over, but you still don't know if there was a better way to do it because you haven't had a chance to find out in front of an audience. In the theatre you can change it. If it doesn't work one night, you can change it the next."

Not surprisingly, when asked who his favorite leading lady has been, Lemmon responded, "Walter Matthau, no question." He laughs, but continues seriously, "He's my closest friend and I think he's the best actor I've ever worked with, he really is. I think Judy Holiday, Annie Bancroft and Genevieve Bujold are about as good as any actress I've worked with and I don't mean to slight any others, but they really are incredible. I just finished "Alex and the Gypsy" with Genevieve and I think she'll get nominated for an Oscar."

After this film, Jack has no immediate future plans. "I'll take a vacation after this and one thing I'll try not to do is work during January because that's when the Bing Crosby, Bob Hope and Andy Williams golf tournaments are and I try like hell to keep that time open because I love them, I just love them . . ."

'Including the ships, helicopters and the plane you've got so much equipment you ought to invade somebody.'

At the end of the day's shooting we are up in the Ward Room waiting for the shuttle boat to take us back to the wharf at the Sheraton Harbor Island. The seas are calmer now so we will not be needing the services of the little zodiac boats as intermediaries between the *Cayuga* and the shuttle boat.

Director Jerry Jameson finally gets to sit down after a 12-hour day, but he's not through working. He's got a production problem to solve.

"The one thing that hasn't worked out as well as we wanted was the water that floods the main lounge. We'll have to re-do it. There hasn't been enough water to make it look right so we're attempting to get additional equipment to produce more water.

We need at least 10 or 15 thousand gallons to add to what we already can

produce. The problem is that the longevity of the water through the main lounge doesn't last long enough so when it comes through the plane it looks great for a short period of time, but all the cuts are like . . . I don't know if you can equate three or four feet of film time, but it's like two or three seconds long. If we did the sequence which I would hope would last for maybe three to five minutes, it would be a series of cuts where the water level is high enough and fierce enough so that the water would rush in like a machine gun firing.

"The director has got to be where the action is at all times, constantly alert and raring to go. His day starts early in the morning going over the day's shooting schedule, then off to the studio by seven for a full day of work where he may play a variety of roles including diplomat, arbitrator, therapist, businessman and director."

But, he says, "I love my job. Where else could I get to come aboard this big ship and play with all these things. It's not really play, but when you enjoy what you do, it is as enjoyable as play. It's an opportunity to do things I'd never have a chance to do. Hopefully you can make people cry, laugh, become emotional . . . It's a strong sense of accomplishment when you make a good film."

A partial list of Jerry's accomplishments include "The Deadly Tower," "Mod Squad," "Andy Griffith," "Call of the Wild" and "The Bat People."

George Kennedy continues the "Airport 1975" role of Petrone in "Airport 1977." We were sitting outside Naval installations on North Island basking in the sunshine. "I love San Diego and it's great to be able to work down here. I think it's one of the most underrated cities we have. I don't know why it's not inundated with people. It is an absolutely gorgeous city." But as for a major movie studio moving to San Diego, Kennedy was pessimistic about the chances. "They tried it in Tucson and Albuquerque and you know if it works, fine and if it doesn't . . . All the states are trying to get one. I know New Mexico is and Texas has tried. It works for a little while and then it somehow gravitates back to where it all began. San Diego is too close to Hollywood; if you want to shoot down here you just get on a bus and come down."

After ten days of filming in San Diego, the cast and crew returned to Hollywood before departing for Palm Beach and Wakula, Florida. The filming was wrapped up at the studio last month and post-production work should ready the film for a Spring release. ■



Lee Grant



Pamela Bellwood comforts her son.



Left to right, producer Bill Frye, Jack Lemmon and director Jerry Jameson look over the blueprints of the main lounge of the airplane fuselage.



A tense conference between Jack Lemmon, left, and Darren McGavin aboard the enfeebled aircraft. George Furth (headband), two minor characters, Olivia de Havilland, Joseph Cotten, Gil Gerard, Christopher Lee and Lee Grant (back to camera) look on.



The most charming furniture store in North County! Specializing entirely in Early American, Colonial and Provincial furniture and rugs. Complete decorating service available. 745-1001
345 West Grand, Downtown Escondido

FIRESIDE RESTAURANT COCKTAILS SUPER VALUE SPECIALS

in addition to our regular menu

- Monday & Tuesday
LOBSTER TAIL DINNER . . . \$6.25
Petite
FILET MIGNON DINNER . . \$4.50
Wednesday & Saturday
ROAST PRIME RIBS OF BEEF \$4.50
Thursday
BBQ PRIME RIB BONES . . . \$4.50
Friday
CRAB LEGS & CLAWS . . . \$4.95
Sunday
BAKED SWISS STEAK . . . \$3.95

All dinners include soup or salad, baked potato, hot sourdough or country pumpernickle bread, complimentary dessert.

No change in quality or portion

745-1931

FIRESIDE RESTAURANT

435 W. Washington at Hwy 395, Escondido

Meet your Rancho Bernardo friends and neighbors at The Fireside

BankAmericard/Master Charge

We will hold these prices as long as possible depending on market conditions.

j. r. brandt interiors

10 years in Escondido

Furniture Carpet
Levelors Shades

Woven woods
Draperies

OUR BUYING SERVICE
WILL SAVE YOU 30% AND MORE!

746-7555

Mon-Sat from 9-5
453 North Elm

(just north of Valley Parkway)

THIS IS LIVING

by Don Dedera

TITANIC'S INEXORABLE LAW

"Why is it," my lady asked the other day, "when I enter the Big Bear supermarket, there are no customers at the checkout stands; yet when I am ready to check out, customers are lined up eight deep?"

Eureka! She had, as is her genius, described yet another manifestation of Prof. Edsel Titanic's Law of Perverse Happenstance.

The other day we enjoyed a certain amount of notoriety by introducing Prof. Titanic to Jack Smith, the columnist for *The Los Angeles Times*. Jack thought Titanic was just another nickname for Murphy and other observers who oversimplify the basic law of human life: "If anything can go wrong, it will." Then Jeanne Nelson popped over from *The Surfcomber* to further immortalize us. More so than Smith of The Big Orange, Jeanne seemed to accept Titanic as a real force, and she correctly quoted his axiom:

"The contradictory of a pleasant probability will assert itself whenever such a circumstance is certain to be most frustrating." Or put another way: "The likelihood of a given happening will be inverse to its desirability."

We'll let the press debate whether Titanic exists, or whether his law upsets the laws of physics and chance in everyday living. We see as our role the mere collection of evidence supportive of Prof. Titanic's Law:

—How does the U.S. Postal Service, by poking little holes between stamps, manage to make the perforated areas stronger than the solid parts?

—Isn't it true that what most folks have for a rainy day is a freshly washed car?

—Why is it children have more energy after a day of hard play, than they do after a sound night's sleep?

—Food cartons labeled "Press Here To Open" when pressed there, rupture the bottom of the box.

—A sewing machine bobbin, on the night of the prom, will run out of thread three inches from the hem. Every time.

—While plain bread dropped onto expensive carpeting will demonstrate a 50-50 chance of landing on either side, when jellied, the odds will swing 95-5 in favor of the jellied side.

—After a raise in salary, a worker will have less money than he had before.

—The little grandmother on her first day at the track will profit by betting on the colors of the jockey's shirts, while a veteran handicapper will go bust by memorizing *The Racing Form*.

—The person who buys the most raffle tickets has the least chance of winning.

—Envelopes will glue themselves together on a humid day; the same glue will be impervious to saliva. Except, of course, at those times when one has an afterthought to add to a letter, at which time, envelopes cannot be opened without destroying them.

—In a three-story building served by one elevator, nine times out of ten the elevator car will be on a floor where you are not.

—A child exposed to mumps on purpose will not catch them; rather, will catch them without exposure on the day after a family goes on vacation.

—The good parking spaces are almost always on the other side of the street.

—A prudent American motorist can go to Mexico equipped with spare water pump, coil, fan belt and spark plugs, and the ignition key will break off in the car trunk lock.

—Common colds, lasting three days untreated, can be prolonged for three weeks by massive doses of wonder drugs.

—A man cannot build a blaze in his fireplace with a box of kitchen matches and the *Sunday Times*, but by flicking a cigaret out of a car window he can burn down a whole forest.

—A dropped tool invariably will land where it will do the most harm. This sub-Titanic Law is known as Hindenburg's Theory of Selective Gravity.

Once Titanic's Law is understood, the list of proofs is endless. It explains how a year in advance the *Farmer's Almanac* can forecast rain that the Weather Bureau can't see a day in advance. Surely Titanic's Law is the base for assigning duties in military service—gourmet chefs to driving trucks; truck drivers to mess sergeants.

Titanic, even in death, put an exclamation mark on his Law. He died one dark night when he was obeying the highway laws by walking on the left side of the highway, facing traffic.

He was struck down from behind by a Rolls Royce driven by an English tourist hugging the left side of the road. ■



Introducing the world's most sophisticated Diesel passenger car. The new Mercedes-Benz 300D.

For years, you've heard about exotic and promising alternatives to the conventional automobile engine. To date, only one alternative has kept its promise: The Diesel engine—for over 60 years, the most efficient combustion power plant in use.

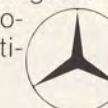
Now Mercedes-Benz has synthesized its proven, 5-cylinder Diesel engine with new, technologically advanced body design, suspension, steering and safety systems to produce the world's most sophisticated Diesel passenger car—the new 300D.

The new 300D's engine was the first Diesel

to deliver performance comparable to that of gasoline engines. Drive a new 300D and you drive the legitimate alternative to the traditional gasoline car—with some singular advantages.

Ample room for five people, cruise control, bi-level climate control, central locking system, 17.7 cu. ft. trunk—plus the lower cost of Diesel fuel, sports-car-like handling, 4-wheel disc brakes.

Test the new 300 Diesel, the most ingenious alternative to the conventional automobile—the world's most sophisticated Diesel passenger car.



MERCEDES BENZ OF SAN DIEGO

7860 Balboa Avenue San Diego, California 279-7202

Balboa off-ramp, 15 minutes south of Rancho Bernardo on Highway 163

Coyotes will eat almost anything and can reproduce even in downtown Los Angeles.

COYOTES IN TROUBLE

By Joan Patrick

Just after I moved to the North County, the Welcome Wagon lady paid me a visit. I gave her some iced tea and she gave me some coupons for a free lube and oil change. When my dog started sniffing her ankles (my dog has big ears and a bushy tail and a feral look around the eyes), she told me this story.

A friend of hers out near Escondido was working in her garden one day when she noticed a dirty, scruffy-looking dog slinking around in her watermelons. It looked hungry and since she was a kind-hearted lady, she went and got it a bone. The dog snapped it up and disappeared. The next day it was back. She tossed it another bone. The third day it came she happened to be watering her garden and on impulse she grabbed the animal and turned the hose on it, intending to give it a bath. The dog writhed out of her grasp, snarling and snapping, and retreated. The woman—belatedly—began thinking, "Oh, my goodness. Suppose it has rabies!" She ran into the house and phoned the police. When they arrived, she told them her story. One of the policemen carefully parted the curtains and saw a wet, bedraggled-looking dog sitting behind the garden fence with a look of utter disgust on its face. Trying not to laugh, the policeman tipped his hat back, turned to the woman and said, "Ma'am, I don't think coyotes like baths."

I was born in suburban New Jersey and until I heard that story, the closest I had come to a coyote was the passage in every Western novel ever written where the hero pillows his head on his saddle and is lulled to sleep by the tender, haunting strains of a coyote concert under the stars. And here was a lady giving a coyote a bath—in Escondido. I was enthralled.

The first time I actually heard a coyote concert I thought somebody's stereo system had gone berserk. I was in bed, in that twilight stage between consciousness and sleep, when I heard, very faintly, a noise that sounded either like a yodel or a drunk playing a harmonica. Next I heard a few warm-

up yaps and then all of a sudden 16 more drunks joined in, none of them in the same key. The high, wailing, out-of-control yips and howls swelled and grew louder and bounced off first one wall of my bedroom and then another. Then, gradually, the noise diminished, until with a few quick yips it faded away entirely, leaving me clutching the bedclothes and wide awake. People actually went to sleep with that racket going on?

But soon I not only got used to coyote concerts, but began enjoying them so much that the night wasn't complete without one. I never heard coyotes any other time, but my first face-to-face encounter with one took place about 2:00 in the afternoon, in broad daylight.

I often took long horseback rides in the back country with my lunch, my canteen, a big straw hat, a snake-bite kit and my dog. Jesse is part collie and part Norwegian Elkhound. She has very precise, symmetrical facial markings: cream-color muzzle and throat; tan eye-brows; dark brown eye patches, and a perfect desert camouflage coat: brown, shading into fawn and black. I was riding along a narrow sand trail lined with sycamores somewhere in Sorrento Valley when I turned in the saddle to see how Jesse was doing. Jesse was doing fine, about ten feet behind me, a little tired. Ten feet behind her was an enormous German Shepherd, eyeing her intently. I was amazed. We were miles from any house and this dog looked far too sleek and well-fed for a stray. Where had he come from? I reined in to get a better look at him. When the horse stopped, Jesse stopped. As if he were part of a mime troop, the German Shepherd stopped too. I took another look. This was no German Shepherd.

This was a coyote, *Canis latrans* in the flesh, a handsome devil with long legs and a thick fawn and grey-tipped coat. He was much bigger than Jesse, but he had the same stylized eyebrow and muzzle markings that she did. In fact they looked so much alike they could have posed for an "All in the Family" commercial.

Curious to see what would happen, I turned the horse around. Jesse turned around too. She saw the coyote for the first time and pricked her ears. That was all. She didn't bark, she didn't chase him, she didn't do anything. The coyote turned around without hurrying and trotted off a few yards and then faced us again. Then he sat down. His ears were up and he looked alert and expectant: *okay, now what?* Nothing about him suggested the cowardly coyote behavior so often attributed to the species. Neither was he acting the way Jesse does when she's bent on destroying my mother-in-law's toy poodle. He wasn't afraid of us and he didn't have mayhem on his mind. He was just curious. And the object of his curiosity was Jesse, who was paying absolutely no attention to him.

After a few minutes I turned around again and continued on my way. Jesse followed. The coyote got up and followed her. He never tried to get closer than ten feet of her. We continued single file for about two miles before he finally sat down and watched us disappear.

After the excitement of raving about how a coyote had followed my dog wore off, the incident began to worry me. I had assumed the coyote was curious because that's what dogs look like when they're curious, but a coyote is not a dog. This coyote had never eaten out of a dog bowl, had never worn a flea collar or felt a human hand. It was wild. What *had* its intentions been?

I quickly discovered that information about coyotes is available from three sources: folklore, science and the sheep industry. Coyote folklore is by far the most interesting.

"Coyote" comes from the Nahuatl word *coyotl*. There are coyotes pictured on the Aztec codices, and the Aztec had a mischief-making god they called Coyotlinauatl, in whose honor they held festivals and dressed in coyote skins.

The coyote's original range had been the American Southwest and Mexico. Although I saw maybe half a dozen coyotes over the next few months, early

travelers had reported that California was "thick" with coyotes. When the hide trade began in San Diego in 1822, cattle were slaughtered where they stood on the range for their hides and tallow. These two items were transported to the coast; the carcasses were left to rot. Coyotes grew so numerous that travelers told of seeing hundreds in a single day.

Early Californians felt a special affinity for the little prairie wolf. A Spanish saying has it that "*El Indio y el coyote nunca se pierden*." "No Indian or coyote ever gets lost." Even white trappers viewed the coyote with a certain skittish awe and half believed he was supernatural. "Medicine dog," they called him.

Trickster Coyote; what he hadn't been born knowing he learned fast. The Mexicans said, "*El coyote es un magico*." They said of a shrewd man that he was "*muy coyote*." Bastard children were referred to as "*coyotitos*"; little coyotes.

Wherever the coyote was found there were stories about him and the stories are surprisingly similar. In none of them is the coyote revered for his wisdom or ethical behavior. He is revered for his smarts, his cunning and his interminable contest of wits with man. But occasionally coyote outsmarts himself.

According to the Apache, coyote was created before man and showed man "the way"—the way of lying, gluttony, adultery, theft and other acts of guile and treachery. When a good man died, his spirit went to a "good place." When a bad man—that is, one who had followed "the way"—died, his spirit went back to coyote.

The Crow Indians believed that the Almighty Spirit had entrusted much of the work of creation to coyote and it was coyote, not the Almighty, who fouled up.

The Miwok Indians of California told how all the animals were sitting around after the creation one night wondering what man should look like. Each animal wanted to create man in his own image; the mountain lion wanted him to have a tail and sharp claws, the mouse wanted him to have whiskers and a moveable pink nose. Coyote sat patiently and waited as the other animals bickered among themselves. When they finally fell asleep, coyote stealthily began assembling bits and pieces of things he thought might be useful to man. It was dawn when at last he breathed life into man. So overwhelmed was he at his achievement that he howled in triumph into the dawn sky, as coyotes still do occasionally in the North County.

In other words, first came coyote. Then coyote created man.

I often rode at dusk because it was cooler then and I didn't have to worry about turning a corner and running into a trail bike coming from the opposite direction. I was riding in a small, rocky canyon between Black Mountain Road and Carmel Valley one evening when I looked back over my shoulder at Jesse. She was right behind me, oblivious to the fact that she was again being stalked. This coyote was so close to her that I had to conclude it either hadn't seen me or didn't associate "horse" with "human."

I yelled at it. The coyote did a midair double-take and leaped off the trail to a rocky ledge a few feet above us. From there it stood staring down at us intently.

This coyote was smaller than the first one we'd seen and looked younger and less staid. It had an alert, intelligent face and a thick coat the color of wild rabbit. The two things that distinguished it from Jesse were the length of its legs and the narrowness of the chest. This was an animal built for speed and tight places, not defense. Its eyes never left Jesse's face, but its ears moved constantly and it kept thrusting its muzzle into the wind, weaving slightly to catch her scent.

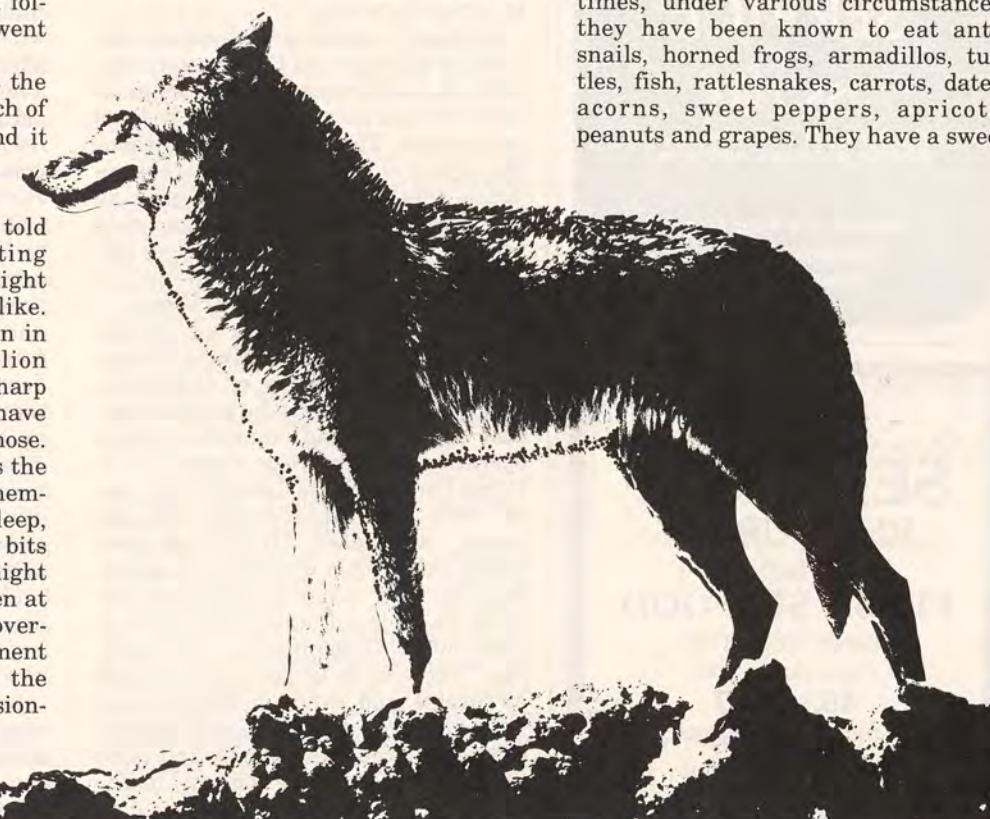
Jesse clearly didn't know what to make of the situation. As she stood there trying to puzzle it out, the coyote suddenly dropped down on its outstretched forepaws, ears up, tongue lolling, exactly like a dog that wants to play. But Jesse wasn't in a playful

mood. She gave a disgusted half-snarl and the coyote sank back on its haunches looking so offended that I laughed out loud. Since it was nearly dark, I urged my horse forward and we headed on home. The coyote trailed us half-heartedly for a while from the ledge, but made no attempt to get close again. Once snapped at, twice shy.

Apparently I had a dog that looked a lot like a coyote, and the coyotes weren't the only ones to think so. I pulled into a gas station one day with Jesse in the front seat and patiently waited while the attendant cleaned and re-cleaned the same tiny spot on the windshield as he gazed in fascination: "Hey, man, is that a *coyote*?"

If she was, she'd have been cheaper to feed. When I told my next door neighbor that I'd seen coyotes in our orchard, she told me to thank my lucky stars and my chicken-wire fence that they stayed out of the garden. They had already eaten all her ripe watermelons without leaving a single exploratory toothmark on the green ones. I began finding coyote droppings in the orchard that were thick with fruit seeds. It was impossible not to be impressed with their gastro-intestinal system; what they could do to a rabbit was more efficient than a garbage compacter.

A fish and Game Department official in San Diego who asked not to be identified said that North County coyotes live on rabbits, ground squirrels, mice, rats and an occasional deer. They will also eat garden produce and any cat that doesn't beat them to a tree. Coyotes are not fussy eaters. At various times, under various circumstances, they have been known to eat ants, snails, horned frogs, armadillos, turtles, fish, rattlesnakes, carrots, dates, acorns, sweet peppers, apricots, peanuts and grapes. They have a sweet



Virginia Blesso
& Associates, Inc.
Real Estate
756-1659

Post Office Box 471
Paseo Delicias
Rancho Santa Fe,
California 92067

**Lomas
Santa Fe
Cleaners**
For those who want the very best

Golf Caps
cleaned free

**TAKE DOWN
& HANG
DRAPERY
SERVICE**

755-2363

Personal & Business
charge accounts welcome

Plaza of The Four Flags
Shopping Center
Solana Beach

**Roger's
SEA WOLF
RESTAURANT**
featuring
FRESH SEAFOOD

Dinner 5:30-10:30

Prices from \$4.95

453-7077

2236 Carmel Valley Road
Del Mar, California

By actively seeking out and destroying the coyote, man has assured the evolution of an animal even craftier than his forebears who lived in the wild.

tooth and are especially fond of honey and ripe melons. Lacking warm-blooded game, coyotes have been known to subsist almost entirely on grasshoppers. Lacking game entirely, coyotes have been known to subsist on a diet that was 95% fruit. In the Arizona range country, coyotes make it through the winter on juniper berries and memories of spring lamb.

Often two coyotes will team up and run a rabbit to ground, depending on the fact that a chased rabbit will circle. Single coyotes catch mice and other small rodents by pouncing, the so-called "mouse jump." Coyotes seldom attack larger game, such as deer, unless the animal is sick or weak or has been wounded by a hunter. Deer kills by coyotes go up during hunting season. Coyotes have learned, however, that some domestic animals—sheep, for instance—have been inbred and back-bred and line-bred so often they've had all the brains bred out of them. Such animals are easy prey. Ironically enough, studies indicate that it's often the trapped coyote that lives to get away and eat a lamb another day. Because these crippled "peg-legs" can't hunt their normal prey, they turn to something easier.

Although coyotes are physically capable of killing a calf they do so rarely, and some cattlemen consider them an asset because they kill so many rodents and rabbits. They realize that without the coyote to keep the balance, the rodents would multiply, the grazing would deteriorate and the range would be able to support fewer and fewer cattle. Other cattlemen stick up for coyotes just because they kill sheep.

Herbert Weisheit, farm advisor for the Cooperative Agricultural Extension of the University of California, told me that the only largescale (several thousand head) rangeland sheep operation in San Diego County is in Camp Pendleton. He described the rest as "very small farm flocks near the house," and added, "If we had more sheep, the coyotes would be a problem. But they're a minor problem here because San Diego County ranks 53rd or 54th out of 57 counties in sheep raising." There is no longer a bounty paid on coyotes, and although Weisheit said that government trappers still trapped coyotes and cougars when he first came here 14 years ago, they don't any more.

When coyotes can't get their food on

the hoof, they will scavenge. They've learned that highways are a good place to find road kills, and I've seen them quite often at twilight, patrolling. I've seen a squashed coyote only once. A much more common sight in the North County is a coyote hide strung up on a barbwire fence.

When I asked the Fish and Game official who a home owner should contact if a coyote was killing his cats, I was told, don't complain to Fish and Game. "Our basic philosophy is that a wild animal can live where it wants to."

But the California Fish and Game Department also officially classifies the coyote as a varmint. As such, coyotes can be hunted in any number, any time of year, by anyone with a valid hunting license. The rationale appears to be that they are predators; they hunt "game animals"—rabbits—and, unchecked, would decimate the North County rabbit population. Harold McKinney, Fish and Game Wildlife manager, said he didn't know what the coyote population was, only that it had gone up in the past ten years. Why? Because the rabbit population had gone up. What the North County rabbit could accomplish without any coyote, with an average birthrate of eight offspring per litter and an average of five litters a year, is another question entirely.

A coyote which is not trapped, shot, poisoned, or lured to its death by an electronic "predator device"—legal in California—will live an average of 10 to 15 years. During that time the coyote, together with its mate, stays pretty much within a single territory, an area 10 to 25 miles across. Although coyotes sometimes cooperate to bring down large game, they will defend their own territory against intruders by an aggressive shoulder-to-shoulder display of teeth designed to force the trespasser to back down. A coyote too dumb to get the point is killed. A dog caught in coyote territory, I found out, is liable to the same fate.

One evening in late May I took my horse out after dinner without bothering to put a saddle on. The sun had already gone down and I just wanted to take a quick ride across the mesa and come straight back home. I was loping along, Jesse behind me, when I saw a coyote disappear into a little gully. I rode over to see if I could get a better



San Diego Zoo Photo

We raced up the gully to the top of the mesa and all I could hear was the thud of the horse's hoofs and my own heart pounding. Finally I risked a look over my shoulder. The coyotes were several yards behind us, advancing stiff-legged and not making a very strenuous attempt to catch up. Even the barks had changed. Now that we were leaving, they sounded querulous and self-righteous. look at it and discovered there were two coyotes. They were both on the scrawny side, reddish-colored with big ears and long legs and narrow chests. They were both so small I thought at first they were foxes.

As soon as they saw me, one started to run. Jesse started after it. The other coyote jumped straight up in the air as though it had walked into an electric fence. The next thing I knew it had lit out after Jesse, shoulders hunched, teeth bared, every muscle tensed.

I yelled. Jesse turned around and saw the coyote coming for her. For a split second she stood absolutely still, and then—as though realizing she had breached some kind of social convention, however alien—came circling back to me, her tail between her legs. The coyote was almost on top of her. I jumped the horse out and cut between them, trying to crowd the coyote to one side. It had absolutely no fear of me. I'm not even sure it knew I was there. Jesse was so close to me I could have leaned down and touched her, and on the other side the coyote feigned and dodged and tried to reach her through

the horse's legs. I was yelling and cursing, but for all the effect it had I may as well have been talking to myself. I considered, for maybe two seconds, jumping off the horse and wading in on foot. But I had no stick, nothing except my hands, and no guarantee that my horse would hang around and wait for me to get back on. And I didn't relish the thought of a walk back home on foot in the gathering darkness, listening to the coyotes howling around me and wondering who else's territory Jesse and I were invading.

The coyote was practically on its belly, its lips drawn back so far its nose was furrowed, when suddenly it started barking. It was one of the most unnerving sounds I've ever heard—a series of shrill, blood-curdling, high-pitched yammering snarls. Then, to my consternation, I saw that the first coyote had drifted back. It was standing no more than a yard away, crouched intently and looking tense and ready to spring.

I yelled so loud I could feel the words scraping my throat on the way out: JESSE—GO—HOME!

She took off like a shot. I took off right behind her, hanging onto the horse so tightly that I drove pieces of his mane clear through the skin of my hand. The coyotes were close on our heels, yammering and snarling. A coyote can out-run a jackrabbit going downhill, and I knew that if this pair seriously wanted my dog, they could catch her.

continued on page 47

Would you like

4 bdrm, 4 bath, open beam ceilings in living room, family room, master bedroom, 2 fireplaces, 20x40 pool, and room for 3 horses. \$185,000

OR

4 No horses, on sewer, fantastic 2 bedroom plus den. 1 acre. \$155,000

OR

4 acre bldg site. Ocean view. Ideal for grove, horses, tennis. only \$85,000

OR

5.75 acres (would you believe!) in the nature conservatory. \$110,000

OR

5.5 acre site, east end of the Ranch with back country view. \$87,500

OR

Tennis anyone? 5 manicured acres. Ask us about the property value alone. Just because we like you, we are throwing in a 7000 sq. ft. house of 6 bdrms, 5 baths, sauna, tennis pavilion, regulation tennis court plus 20x40 pool. 2 minutes to Lomas Santa Fe Country Club, the beach and the races at Del Mar. \$450,000

OR

What about a condo, nestled in the trees. 2 bdrms, 2 baths, great patio area. \$90,000

Please call us
for an appointment.

**Kay Wasser
& Associates**
REALTOR

Pat Woolley, Judi Woods,
Kaye Christianson

714/756-2436

Box 136
Rancho Santa Fe CA
92067

J. C. SEEKS NUMBER THREE

By Ralph Trembley

North County's annual migration of world famous golfers, celebrities, amateur players and spectators to the Andy Williams San Diego Open (AWSDO) is set for Jan. 26-30 at the Torrey Pines golf course.

This year's "Andy" marks the 10th anniversary of the event at Torrey Pines under the co-sponsorship of Andy Williams and the Century Club of San Diego. But it is also the 25th anniversary of the San Diego Open, one of the

most venerable stops on the PGA tour. (The parent tourney, incidentally, was twice held in the North County: at Rancho Santa Fe in 1954 and Rancho Bernardo in 1964.)

J. C. Snead, the Hot Springs, Va. nephew of Sam, is expected to shoot for his third consecutive title in the Open, having made history with back-to-back wins in 1975 and 1976. Both Arnold Palmer and Tommy Bolt won two San Diego Opens, but theirs were not con-

secutive nor were they accomplished in the highly competitive era of the AWSDO.

Although most big-name entries will come in a few days before the AWSDO begins, the tourney has already had official commitments from U.S. Open champ Jerry Pate; Masters titlist Ray Floyd; 1974 winner here, Bobby Nichols; La Jolla's famous Gene Littler, and such standouts as Mark Hayes, Brian Allin, Larry Ziegler, Bob Murphy, Dave Hill, Jerry McGee, Kermit Zarley, Mike Morley, Lyn Lott and George Burns.

Most of the top 60 in 1976 PGA tour earnings are expected to be in the fold by the time the Celebrity Pro-Am gets underway Jan. 26.

In the Pro-Am event, the show biz list already includes Telly Savalas, Efreim Zimbalist, Jr., McLean Stevenson, Dick Martin, Robert Sterling, Jack Albertson, Bob Stack, Jack Lalanne, Martin Milner, Jan Murry and Fred MacMurray. Many more are expected.

Familiar names from the sports world who will team with amateurs and pros in the Celebrity Pro-Am include George Blanda, John Hadl, Don Drysdale, Tom Harmon, Don Sutton and Sid Gillman.

Amateurs in the one-day \$10,000 Pro-Am, to be played over both North and South Torrey Pines courses, will come here from all over the country. They will also play practice rounds at Torrey on Monday, compete around the county at six courses on Tuesday and in the traditional Am-Plus on Thursday of tournament week at La Costa.

North County courses hosting the amateurs on Jan. 25 are Rancho Bernardo, Whispering Palms, Lomas Santa Fe and Stoneridge.

The \$180,000 Open will be played over the North and South courses the first two days, then on Torrey Pines South the final two days. CBS television will cover the windup nationally from 2-3 p.m. Jan. 29 and from 1-3 Jan. 30.

Tickets for the AWSDO are on sale through Jan. 25 at reduced rates at banks, retail stores and golf course pro shops throughout the North County area. Information on ticket locations may be obtained by calling the AWSDO office, 291-5372. ■



Andy Williams presents J. C. Snead and his wife Susie with the 1976 AWSDO trophy and check

26 / JANUARY 1977



Don Bies



Bobby Nichols



Gene Littler



J. C. Snead



Efreim Zimbalist, Jr., star of *The F.B.I.*, will be back to play in the Celebrity Pro-Am



Ray Floyd



McLean Stevenson



Andy Williams and Tournament Chairman Hal Tebbetts

LIVING | 27

G

18 holes
par 56
2,552 yds.

A scenic and
challenging course
where you can play a
relaxing and
unhurried round
of golf in less
than 2½ hours.



Lomas Santa Fe EXECUTIVE GOLF COURSE

PUBLIC
WELCOME

Weekdays \$4.50
Weekends,
holidays \$5.00
10-play
ticket available

Directions: I-5 to Lomas Santa Fe Drive.
East one mile to Highland Drive, then left.
755-0195



1932 Chevrolet

Where the Shoppers
Buy their Cars

Old and New!

QUALITY CHEVROLET COMPANY

745-7221

Broadway and Valley Parkway,

Escondido, California

MUSIC

by Troy Reynolds

SWISS-KA-BIBBLE

Les McCann, one of the foremost jazz vocalists/keyboard players around, headlined the first in a series of jazz concerts at the University of San Diego's Camino Theatre. His concert and future concerts are a joint effort of students at USD and the local Society for the Preservation of Jazz.

McCann appeared on Channel 39's "You're On" the morning after the show and I talked to him afterwards. The following are excerpts from our conversation.

Q: A few nights ago, Nov. 27, you presented a preview of your musical-operetta, "Brother Francis," at the Santa Monica Civic. How did that go?

A: Well, we had a double-set kind of concert in which my group played a portion and then we presented a second half with the songs from a musical that I took part in writing. We didn't have a great big crowd, didn't pack them in like we did last night. I think it was a bad choice of weekends, with Thanksgiving and all.

Q: Is it something you hope to present again later?

A: I hope so, because this musical is a very, very, very meaningful thing about a young man who has gone through some changes in his life, coming from a point at which he was just like a lot of people who feel it's all right to have wars, it's all right that there's so much suffering in the world, like that . . . to becoming aware of what's happening around him, what life's really about: feelings, people relating to each other and the fulfillment of one's own potential.

Q: You mentioned there in the studio that this has been an especially busy year for you. What other kinds of things have you been up to?

A: This was a wild year. We did 26 concerts in Europe. I went over and played with a group called Golddigger's Jubilee. And then I came back and we did a tour of 48 colleges throughout the Midwest. That was 48 concerts in 52 nights, which was really, really grueling.

Q: For all your touring of Europe, you must have quite a following over there.

A: I think it's beginning to build, you know. I don't know if they're ready for me and my group yet, because they seem to be a little behind everything. I don't mean they're be-

hind in what they like. It's just that news is so slow getting over there. It was a shock to them at the last Montreux Festival I played in that I had electronic instruments.

Q: You also cut another album this year.

A: Two albums. "River High, River Low" was just released in September. The words on it are very important to me. It's a different album in the sense that . . . there's so much to be said here, and I think a lot of the times a lot of people feel that the message may be repeated or seem simple or trite or whatever. I've heard all kinds of things. Maybe we cut off our feelings. Like, "I know that people are starving over there, I know, but I don't want to hear about it." And that's not where we really are, because that's part of why the world seems to be going down the drain.

Q: And I think it's very important to have someone like you reminding us of what it means to care, especially when you can do that by putting on the kind of show you did last night.

A: Thank you. I enjoy playing, I enjoy being out there, you know, because I feel that a lot of people who come to see us, they may not know what we're going to do, and they're surprised. They didn't think they liked this type of music, jazz or whatever you want to call it. But I think sometimes a feeling of what we do comes across even stronger without them quite knowing what it is we're doing, and they go home feeling good. And that's, that's what I want. Sometimes I've heard people say, "Man, after your concert I went home and thought about this and I've really decided to change, to do something about my life." You know, if you can get music that people like, and then put a message on it that they can listen to, because they're already hooked by the music, you have a great vehicle for change, and for getting messages across, or sharing good feelings with other people. Quite often, people come to a show wanting . . . "give me." And with us, I try to instill that it's all of us out there, and it's all our energies that are going to reverberate amongst each other to make something good come out of it for all of us, you know. And when they're involved, and we're involved, it really just makes it one powerful energy force. It's not just us, it's all of us.

continued on page 58

An accumulation of stressful conditions can make us physically sick.

OY! THE PRESSURE



MYTH NO. 2

Which leads us to the second myth. This has to do with human strength. "The strong person is the one who can deal with his problems by himself, can work them out on his own." The myth of Superman dies hard. Many managers feel lonely in their positions, have difficulty finding peers who understand what they are experiencing, or who fear that peers will use data from a pained manager against him. Often too we are just plain uncomfortable about sharing our stress and pain. Interestingly, Dr. Greenberg has discovered that many persons in his classes can share and admit these stressful situations to their spouses. This can be a tremendous resource. Other sources are friends, business associates, management seminars and courses, professional organizations. No one can go it alone.

MYTH NO. 3

The third misconception arises out of increased managerial responsibility. As a manager broadens his responsibility by vertical job ascension, the typical managerial reaction is to work harder, longer hours and especially to accelerate one's pace in order to accomplish more in less time. The myth here centers around the conviction that the only way to cope with dramatic increases in subordinates, budgets and responsibility is to increase the pace of one's managerial activity. This inevitably results in increased adrenalin and tenseness and often results in weight increase, lessened time for physical activity and sports, less relaxation and a real drop in peace of mind and feelings of security. The curiously radical alternative here is to actually slow down one's pace, not with the intention of abdicating responsibility, but with the belief that slow, careful, deliberate decision-making results in higher quality activity and eventually more productivity. Many managers found this difficult to believe. This myth dies hard, but often dies dramatically as

Job pressures, emotions, changes in our routine—all are inevitable factors in the human condition, yet the way we deal with them can determine our physical and mental well-being. These are stressful conditions, whether the emotion is love or hate, the change in routine good or bad, the job pressures stimulating or debilitating. And according to research done on the subject, an accumulation of stressful conditions can make us physically sick. Stress, when it persists, wears down the body's capacity to resist disease which allows the ever-present microbes and viruses to become dominant. In simple terms, we get sick. Our body is saying, "Slow down. Let me rest. I can't take this."

Before that happens, or to minimize the risk, there are some simple, logical ways to ease the stress and avoid physical and/or mental breakdown. The first step is to recognize some common misconceptions of our own abilities.

Dr. Herbert M. Greenberg, a North County specialist in stress, has concentrated his work in this field in recent years. Dr. Greenberg, who has a Ph.D. in Psychology from the University of Chicago, has the confidence of 25 years experience that individuals can change the way they deal with high emotion in their lives.

Through the courses and seminars that he teaches, Dr. Greenberg comes in contact with individuals in business, education, government and the professions who are coping with stress in their work and in their lives. As a result of hearing about and studying the efforts of those persons to cope with stress, Dr. Greenberg concludes that many individuals with managerial responsibilities are hampered by their own views regarding stress and responsibility. These views are tenaciously held; they carry the force of myths. They seem irrevocable, they limit alternatives and they restrict change.

MYTH NO. 1

The first myth is the one of human vulnerability. "The successful manager, the mature, responsible executive, does not feel stress, constantly

maintains a cool head, always appears in control of himself and others." This misconception is based on our false notions about human psychological maturity. In fact all humans, including the most successful, feel the full range of human emotions and must, one way or another, express and deal with those emotions. The successful person does feel concern, can fear failure, sense rejection, is hurt by others, at times even feels overwhelmed or powerless. The person who attempts to hide these feelings under a mask can only do so temporarily. Sooner or later they break through. To avoid this, what helps is any effort directed toward shedding the mask, admitting the vulnerability, sharing the concerns to a sympathetic listener. If this initially seems like weakness, consider the courage required to do this. It may instead be the ultimate strength.

The alternative to acceleration is not inactivity, but slower, more careful, more deliberate and higher quality productivity.

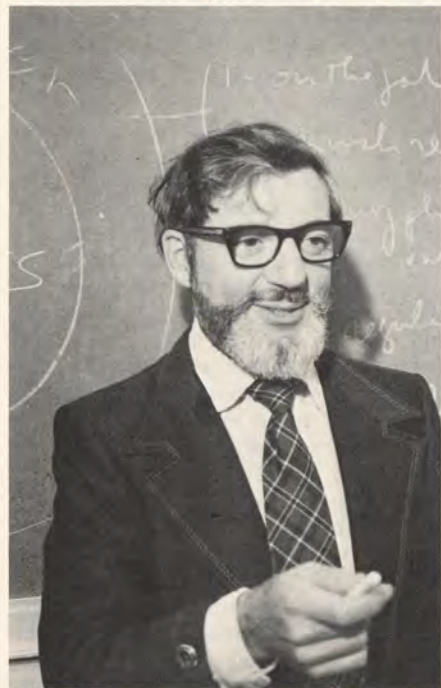
managers begin experimenting with specific methods for slowing down their work and entire life.

MYTH NO. 4

The last myth arises out of our need for perfection both in our public and private image. The misconception here is that a responsible person always meets deadlines and schedules, always arrives on time, always keeps appointments, always will have the correct solution. The myth here is of indispensability. "The world will stop revolving if I am not there. At whatever cost to me or to those close to me, I must live up to this image." Actually the cost of maintaining this indispensable image may well be a reduced quality in decisions and in meetings and appointments. Lessened performance and effectiveness are often accompanied by hurt feelings or resentment on the part of staff, subordinates, one's own family and even oneself. It simply isn't worth it. Also, sooner or later we have an inkling that we really aren't all that necessary. This can be painful! Five years from now it really won't make any difference.

DEALING WITH STRESS

Now to some specifics. What can individual managers do who wish to change their present methods of dealing with stress? Dr. Greenberg feels



Photography by Dick Benton



that changes are necessary in three directions: first, in gaining more control of oneself and one's environment; secondly, in treating oneself better; and thirdly, in gaining strength as a person. These changes are often interrelated, but here are a few specific suggestions in each area.

An individual can gain more control by taking steps to deal with stressful situations on his own terms rather than on terms dictated by others. A number of techniques can aid this. Decide when it is best for you to deal with a situation or person and act only when you are better prepared for it. Do not always deal with situations just when they appear, when they clammer for solutions, when they bang at your door. Control interruptions, incoming telephone calls, persons dropping in or awaiting your return. Choose the time to deal with each individual when you are psychologically prepared to do so. Avoid tense, angry people when you are tense and angry and so forth.

Another basic technique for gaining control is to deliberately change one's pace of activity in a stressful situation. If sitting, begin to move. If quiet, become active. If social, become solitary, etc. Returning later to the stressful situation after a deliberate change of pace often results in a new point of view, a more creative solution.

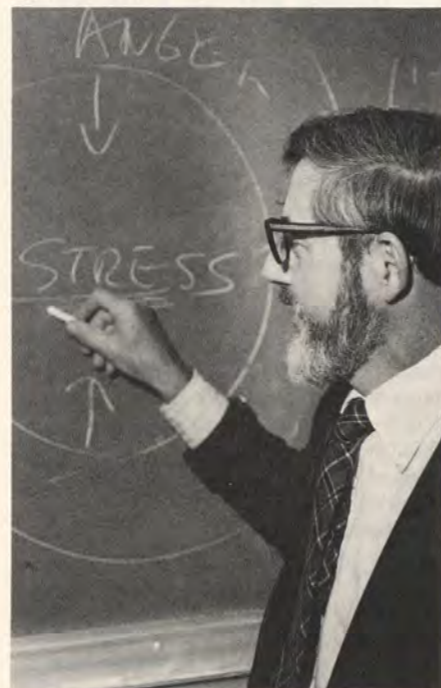
PHYSICAL ACTIVITY A MUST

Taking care of oneself has many possibilities. Many managers neglect rather shamefully the need and value of regular physical activity. Physical

release can be attained right at work by a change of pace, but it is more important to have daily physical activity such as walking, jogging, swimming. It is important to choose non-competitive activities that will truly release tension, rather than competitive ones that further build up the adrenalin. Many busy managers too neglect their need for solitude and sometimes the body recognizes this by awakening during the solitude of night. Slowing down activities, relaxation techniques, deliberate use of lunch for renewal time are other ways to begin to treat oneself better emotionally and physically.

Gaining strength as a person often accompanies gains in control of oneself. Perhaps the single most effective strength gain results from a conscious act of discipline on our part, whatever form it may take. Disciplining oneself to exercise regularly (6 or 7 days per week), or to play the piano (if that be your release), or to pursue your hobby, or to see friends casually without business interactions, or to spend time lovingly and with care listening to another must be done regularly, three or more times per week. The gain in strength comes from the sense of accomplishment of a regular, daily pursued goal, one that we have established as healthy and positive for us.

Though there are many specifics available, perhaps the greatest gains come from simply increasing our awareness of ourselves—how we currently deal with stress, how we truly want to change, what difficulties we encounter, how good success feels. Facing these issues with some courage provides an honesty and relief that takes us a long way on the road to change. It can save your health and possibly even your life.



SOCIAL READJUSTMENT RATING SCALE

HOW TO USE: Add up value of Life Crisis Units for Life Events experienced in two-year period.

- 0 to 150—No significant problems
- 150 to 199—Mild life crisis (33 percent chance of illness)
- 200 to 299—Moderate life crisis (50 percent chance of illness)
- 300 or over—Major life crisis (80 percent chance of illness)

RANK	LIFE EVENT	LIFE CRISIS UNITS
1	Death of spouse	100
2	Divorce	73
3	Marital separation	65
4	Jail term	63
5	Death of close family member	63
6	Personal injury or illness	53
7	Marriage	50
8	Fired at work	47
9	Marital reconciliation	45
10	Retirement	45
11	Change in health of family member	44
12	Pregnancy	40
13	Sex difficulties	39
14	Gain of new family member	39
15	Business readjustment	39
16	Change in financial state	38
17	Death of close friend	37
18	Change in different line of work	36
19	Change in number of arguments with spouse	35
20	Mortgage over \$10,000	31
21	Foreclosure of mortgage or loan	30
22	Change of responsibilities at work	29
23	Son or daughter leaving home	29
24	Trouble with in-laws	29
25	Outstanding personal achievement	28
26	Wife begins or stops work	26
27	Begin or end school	26
28	Change in living conditions	25
29	Revision of personal habits	24
30	Trouble with boss	23
31	Change in work hours or conditions	20
32	Change in residence	20
33	Change in school	20
34	Change in recreation	19
35	Change in church activities	19
36	Change in social activities	18
37	Mortgage or loan less than \$10,000	17
38	Change in sleeping habits	16
39	Change in number of family get-togethers	15
40	Change in eating habits	15
41	Vacation	13
42	Christmas	12
43	Minor violations of the law	11

Dr. Richard H. Rahe, a psychiatrist with the U.S. Navy Medical Neuropsychiatric Unit in San Diego, and his mentor, Dr. Thomas Holmes, professor of psychiatry at the University of Washington, published in the *Journal of Psychosomatic Research* in 1967 their findings about stress. They developed this scale, the "Social Readjustment Rating Scale," by which a person can measure the amount of stress he is accumulating. These figures are averages, for some people are better equipped to deal with stress, however they are a useful indicator of the relative affects of various circumstances. ■



THE TWO GOATS Traditional Countrywear for Men and Women RANCHO SANTA FE, CALIFORNIA - 756-1996

Open Daily for Breakfast



Solana Beach
937 Lomas Santa Fe Dr.
755-0117

SHIRLEY KEETH REAL ESTATE



Shirley Khanna
Maheshwar Khanna
Rip Wasser
Patricia Driver
756-3706

Rancho Santa Fe, CA
Paseo Delicias at La Granada



Professional
All-breed Dog Grooming
436-1226

Village Square II
ENCINITAS
1520 Encinitas Boulevard

WEEKEND JAUNTS:



Jack and Jackie Kennedy once vacationed at the San Ysidro Ranch.



By John Haase

SAN YSIDRO RANCH

A scant 160 miles from Rancho Santa Fe in the foothills of Montecito there is a gem of a resort known for its country-like atmosphere and Old World charm.

Jack and Jackie Kennedy vacationed there; Sinclair Lewis wrote his novels there, and Churchill, Rex Harrison and David Niven visited there.

It is the San Ysidro Ranch, established in 1870 by the padres of the Santa Barbara Mission. It comprises more than 500 acres and has subsequently passed into private ownership. At one point Ronald Colman was its owner.

"The Ranch," as it's known affectionately, can accommodate 80 guests, mostly in charming antique-filled clapboard cottages stocked with books to be read beside woodburning fireplaces.

The entire setting is like an old-fashioned garden; beds of sweetpeas compete with stands of carnations, rows of orange trees and asters. There are quiet brooks, gentle walks, spacious lawns.

No wonder Katharine Hepburn came here as did Ethel Kennedy and Adlai Stevenson. There are no television sets, no radios. Only good talk, a good book and the knowledge that you're in good company.

There is a charming dining room and a bar called the Plow and Angel. Room service arrives by bicycle, and a ship's bell rings to announce scheduled events on the ranch.

The pool overlooks the ranch, Montecito and the oil rigs on the Pacific; there are stables, tennis courts and a private beach.

You can spend the day in Santa Barbara, visit Solvang, brunch at Costa del Sol (in Montecito) or try the Talk of the Town for dinner in Santa Barbara.

You can visit UC Santa Barbara, the Art Museum, shop along State St. and never be more than a few minutes drive from your cottage and the peace and quiet of the ranch.

Rates are reasonable, service is Old World and relaxed. Little signs in your cottage advise you that if you want wood, call the woodman; if you want to go hiking, pick up a walking stick at the office—and if you decide to do so there is a state park adjacent to the property with well-marked trails.

At sunset the Ranch with plumes of smoke rising from the cottages will re-



mind you of some New England scenes.

San Ysidro Ranch is special in this day of ever-widening chains of huge hotels. This type of resort is becoming a rarity.

A visit can only make you question whether we have really progressed in the 20th century with our big convention hotels with color TV, ice machines down the hall and a red light which lets you know you've had a message.

Believe me, there are no red lights at San Ysidro, or ice machines, or blaring television sets. There are books and a guest list of people who read books;

these are elegant tweedy guests, knowledgeable about flora and fauna who wonder about *one tree, one fern* which graced their cottage last year, who relish the crackle of the good oak supplied for your fireplace, and might get concerned about a new towel rack in their cottage, which they have loved for 30 years. It is a place of tradition, not innovation. And I may add, the soap in the bathroom is Ivory and the little handbook on tipping could put Amy Vanderbilt to shame. Unless she wrote it, which would not surprise me either. ■



Archaeological evidence suggests oil pits were created by humans a thousand years before Columbus reached the New World.

INDIANS & PETROLEUM

By Don Dederer

In 1543 Juan Rodriguez Cabrillo waterproofed his ships with the stuff on the coast of California. But other people had done so for centuries before him.

Near Cuba, New York, the strange material was studied by Joseph de la Rocha d'Allion in 1627. The curious Franciscan might have learned more by questioning the residents, who used it in their daily lives.

George Washington in 1753 took possession of lands abundant in the substance, in the wilderness of western Virginia. Yet although Washington would become first in war, peace and his countrymen's hearts, he was not the first to stake a petroleum claim in America.

Petroleum, as thick asphalt, flowing oil and aromatic vapor, occurred (and still occurs) naturally the world around. In pre-Columbian America, at places that would come to be called the Caribbean, New England, Mexico, the Gulf Coast, Alaska, the Great Plains, California and elsewhere, hydrocarbons oozed from Mother Nature's oil wells. Such gifts were not spurned by the first Americans. In every way they could image, they gathered and used petroleum to enhance their lifeways. The usage was on a continental scale, from Florida to the Northwest Coast, from Kentucky to Los Angeles, from Galveston Island to Thermopolis, Wyoming.

The importance of petroleum to the first Americans largely went unappreciated by the onrushing European builders of a new nation. They, as self-styled superior peoples, also were the historians. Their chronicles tend to credit immigrants with "discovering" resources already well known to generations of native tribes.

For example, it was noted by some of the early English-speaking explorers that a certain valley of northwestern Pennsylvania was dotted with more than 2,000 pits. Their circular, oval and square walls were neatly shored up with huge, fitted timbers. Unwilling to attribute such skilled carpentry to



Haliotis (abalone) shell cup with siphon holes plugged with asphalt. Museum of the American Indian, Heye Foundation, New York, N.Y.

mere savages, the Englishmen assumed that the pits must have been built by their own second cousins, the French!

The pits, just south of present-day Titusville, were all but obliterated in the drilling of the first field of American oil wells. Yet it occurred to a modern historian, Paul H. Giddens, in his book, *The Birth of the Oil Industry*, that the pits might have been of Indian origin. As Giddens gathered from legends, oil and water together would filter into the pits. Oil floating on the water could then be skimmed off, or soaked up with a blanket.

"From the number of pits and their systematic arrangement, it is possible that they secured a relatively large quantity of oil," wrote Giddens. "By whom and at what date the pits were excavated is a mystery. Some believe that the American Indians made them long before the appearance of the white man."

Not until the 1970's did the legends acquire scientific support. Sue Ann Curtis, of Oil City, Pa., while pursuing a master's degree at Pennsylvania State University, led an archaeological dig in one of the few remaining pits. In association with aboriginal stone tools she unearthed networks of wood, woven matting and fire-hardened

sticks. The evidence suggested the pits were created by humans a thousand years before Columbus reached the New World.

Pits by the thousands would not be needed for the gathering of a few pints of Indian snake oil for medicine. One supposition argues for far-flung trade. Another holds that the pits comprised a cooperative oil field for the benefit of various peoples who would harvest the pits by turn.

That oil was known to the Iroquois nations is an establish fact; the Mohawks had a word for it: *otourantan*. Documentation of use was published by an exceptionally observant reporter, Professor Benjamin Silliman, Sr., of Yale, in the *American Journal of Science*. Of an 1833 visit to an oil spring in New York, the professor wrote:

"... they collect the petroleum by skimming it like cream from a milk pan. For this purpose they use a broad, flat board, made thin at one edge like a knife. It is moved flat upon and just under the surface of the water, and is soon covered by a coating of petroleum which is so thick and adhesive that it does not fall off, but is removed by scraping the instrument upon the lip of a cup..." Silliman further said the Indians purified the oil by heating and straining, and the product was a salve for sprains and rheumatism.

Diversity was a remarkable quality of the peoples of America at the time of European contact. It's estimated that in 1492 a million American natives spoke at least 200 distinct dialects. They in their various cultures had their own ways of gathering plants, keeping warm, killing game, curing ills, carrying water, slaying enemies and repelling bugs. Not surprisingly, then, their employment of petroleum was ingenious.

Alfred W. Maner of the Asphalt Institute at the University of Maryland believes that early peoples obtained a form of petroleum from rock asphalt deposits near Brownsville on the Green River in western Kentucky. The

'Asphalt was the literal foundation for artistic expression' of historic coastal Californians.

"pitch" found in many Indian artifacts may in fact be petroleum tar, Maner says.

On the Gulf Coast, asphalt was traded far and wide. Dr. T. E. Pulley, director of the Museum of Natural Science in Houston, tells of the early peoples of Galveston Island off the Texas coast. Possibly from seeps as far off as Trinidad, Gulf currents brought oil to their shores. When the stranded Spanish explorer, Cabeza de Vaca, lived on Galveston, he assisted in trading the island's tar and shell with interior tribesmen for beans and flint.

Some scientists today infer greater use of asphalt in the American Southwest than heretofore has been suspected. Says Ronald V. May, archaeologist of San Diego, "I suspect that in the past a lot of the material we've called pitch is really asphalt, as well as wasp lac and pine sap."

Over the years several important excavations have occurred at the so-named Harris Site, a few miles east of Rancho Santa Fe. In gravels and sands buried along the banks of the San Dieguito River, archaeologists recovered artfully flaked stone tools, such as choppers, knives and scrapers believed to be as old as 10,000 years. The most recent investigation, led by Dr. Paul Ezell of San Diego State University, turned up a projectile point whose base retains a coating of a black substance. Instead of assuming that the material was pine pitch, Dr. Ezell asked an oil company laboratory for an analysis. Sure enough, it was asphalt.

"These were hunters of big game," says Dr. Ezell. "Evidence points to a much wetter and colder climate for San Diego County in the time of the people we call the San Dieguito. It's interesting to note that people known to be here many thousands of years ago were using asphalt, probably to haft stone points to wooden handles."

The Pueblo Hopi cliff dwellers of Northeastern Arizona are reported to have worked prehistoric turquoise mines in the deserts west of the Colorado River. In the same areas archaeologists have retrieved large shell trumpets with shell beads affixed in asphalt mastic. Trade could explain the finding of a similar trumpet in the ancient Anasazi city of Pueblo Bonito, Chaco Canyon, New Mexico. This trumpet was adorned with turquoise, also set in asphalt.

Paiutes fueled lamps with oil. In his *Warriors of the Colorado*, Jack Forbes tells of Yuman Indians floating asphalt-lined baskets of goods across the river in the 19th century. The Plains tribes are said to have exploited seeps of coal oil at Thermopolis, Wyoming, on the Bighorn River. Nowadays a popular spa prospers among the hundreds of springs which soothed the aches and pains of vanished tribes. To the south it is known that aboriginal peoples of the Uintah Mountains of Utah mined an extremely pure form of asphalt, called gilsonite, which they melted for special applications.



Chumash killer whale effigy of soapstone with shell ornaments glued with asphalt. Los Angeles County Museum of Natural History.

Certain native economies in California could almost be said to have been oilbased. Natural petroleum upwelled ashore, and offshore seeps loosed dark oil to congeal and land on beaches. The abundance of floating petroleum in the Santa Barbara Channel in 1793 astonished Captain Vancouver: "As far as the eye can see the sea is covered with a sticky, smelly substance." Into modern times, one offshore seep injects as much as 18,000 barrels of oil per year into the channel.

Most famous of the tar pits on land is the La Brea at Los Angeles. From the diary of Gaspar de Portola, the 1769-1770 expedition: "The 3rd (August 3, 1769) we proceeded for 3 hours on a good road; to the right of it were extensive swamps of bitumin what is called *chapote*." Twenty years later Jose Longinos Martinez noted that these great lakes of tar entrapped animals, and "the gentiles are very careful to explore these places in order to hunt without work."

How long this was going on is conjectural. From the deep fissures of La

SAN DIEGO OPERA

TITO CAPOBIANCO—ARTISTIC DIRECTOR

DIE FLEDERMAUS

"The Bat" by Johann Strauss

Conductor

Judith Somogi

Director

Lotfi Mansouri

Johanna Meier

as Rosalinde

Ragnar Ulfung

as Alfred

Cornelis Ophof

as Eisenstein

David Rae-Smith

as Prince Orlofsky

John Darrenkamp

as Dr. Falke



A lovely young matron, a jealous husband, a Hungarian Countess and a jaded Prince combine their fates for superb opera entertainment.

Sun., Jan. 23 8:00 pm

Tue., Jan. 25 7:00 pm

Fri., Jan. 28 8:00 pm

Sun., Jan. 30 2:30 pm

Good seats in some areas

CIVIC THEATRE

OFFICE 236-6510

Tickets: \$16.00,

\$14.50, \$13.00, \$11.50,

\$10.00, \$7.50, \$5.00

For mail orders include 25c handling and self-addressed stamped envelope

Mobil

A good deal on a good tire.

GRANT'S MOBIL SERVICE

CORNER LA FLECHA AND
LA GRANADA, RANCHO SANTA FE

756-2929

HOMES OF DISTINCTION BY

Weir Bros.

ADOBE CONST.

Are you interested in a QUALITY CUSTOM HOME? Adobe specialists for over 30 years in the Southwest . . .

WEIR BROTHERS team of master skilled craftsman consider ALL aspects in the construction of your home.

Whether you consider adobe or other construction methods, with WEIR BROTHERS you can be assured of QUALITY MATERIALS and SUPERIOR CRAFTSMEN.

Weir Bros.

749-1612

P.O. Box 14
VALLEY CENTER, CA 92082
John E. Weir, President



Rayne

WATER CONDITIONING

"Outstanding Service"!
RADIO DISPATCHED!

- Soft Water Rental Service
- Automatic Water Conditioners
- Water Purifiers for Drinking Water

755-9741

The 'pitch' found in many Indian artifacts may in fact be petroleum tar.

Brea have been recovered the skeletons of long-extinct mammoths, saber-toothed tigers, camels, giant ground sloths and birds. Human remains and weapons were found with bones of animals supposed to be extinct 10,000 years.

Of the generalized use of tar by prehistoric coastal Californians, Dr. Keith Dixon, California State University, Long Beach, says: "Asphalt was the literal foundation for artistic expression, as in beautiful shell inlay. The people put asphalt to every practical use you can think of. They even made repairs with it."

Dixon states that asphalt was formulated with other compounds, such as plant juices, for differing purposes. "The founding of the American petrochemical industry," says Dixon somewhat in jest. But evidence grows that some of the first Americans were passable chemists.

From California digs have emerged receptacles in which asphalt was melted over fire; hammerstones likely used to pulverize hard asphalt; knives and scrapers bonded with asphalt to wooden handles; handsomely inlaid hairpins, necklaces, and beads; earrings and noserings of soapstone adorned with shell held by asphalt; gaming dice of walnut shells decorated with tar and shell; bone whistles with incisions emboldened by bitumin; ceremonial noisemakers and ritual wands inlaid with bits of seashell secured with asphalt; bowls of abalone shell whose siphon holes are stoppered with asphalt plugs; and bone, stone, and shell fishhooks bound to leaders with bits of asphalt. At a 4,000-year-old site on Santa Rose Island nearly every item deposited in the tomb of an important tribesman contained asphalt.



Channel Island canteen woven of plant fibers and waterproofed with a lining of asphalt. Charles W. Bowers Memorial Museum, Santa Ana.

Attracting much attention last year was the excavation of "3,500 years on one city block" in Ventura on the mainland shore of the Santa Barbara Channel. Archaeologists, led by Roberta S. Greenwood, dug through the latter-day rubble of an urban redevelopment project to define the long-lost walls of San Buenaventura Mission. And beneath the Spanish ruins reposed the relics of the ancients—pottery mended with asphalt, grinding mortars with rings of asphalt where a basket-hopper had been affixed, and other artifacts touched with tar.

For the past five years another excavation has progressed at a 1,000-year-old site near Redwood City south of San Francisco. Directed by Eldon Earnhardt of nearby Canada College, students recovered hundreds upon hundreds of asphalted items: bird bone whistles, fishing barbs and toggles, and incised shell jewelry.

Unexcelled in putting petroleum to work were the Chumash Indians and their ancestors of Santa Barbara. At the time of Spanish contact there thrived some 24 *rancherías* of 100 to 1,000 inhabitants each, from Carpinteria to Goleta Slough.

Their soapstone smoking pipes, perhaps obtained from Channel Islanders, were intricately inlaid with at least six species of seashell. Of bone, stone, antler and wood, the Chumash contrived artistic flutes, drills, pendants, necklaces, hair pieces, wands, vessels, ladles and dippers. Effigies of killer whales, seals and sailfish important to Chumash religion often were sculpted of stone and embellished with asphalt and shell.

But the crowning achievement of the Chumash was their plant canoe, called *tomol*. Again Vancouver aboard the *Discovery* at Estero Bay on November 8, 1793, was surprised by "... a canoe approaching us, of a construction I little expected to meet with. Instead of being composed of straw, like those we had seen on our first visit to the port of St. Francisco, it was neatly formed of wood, much after the Nootka fashion, and was navigated with great adroitness by four of the natives of the country. Their paddles were about 10 feet long, with a blade at each end."

For their canoe, the distinguished California archaeologist, Robert F. Heizer, rated the Chumash as "the top craftsmen of aboriginal California." As described by Heizer:

"The plank boat of the California coast was composed of many small, thin planks—Font, in 1776, counted one made of 20 pieces. The planks were fashioned from driftwood logs with whalebone splitting-wedges. Among the woods used were cedar, pine, and redwood.

"A heavy bottom plank measuring 1.5 inches thick, 12-14 feet long, and 8-10 inches wide, with holes drilled along the edge, formed the base, and to this were bound the heavy bow and stern posts, which took off at an angle of about 30 degrees.

"To each side of the baseboard were attached the small side planks, at an angle of about 50-60 degrees. Each plank was bound firmly on all four sides by adjoining planks . . . As each plank was tied in place, a thick layer of hot, viscous bitumen was applied on the four edges. This bitumen layer acted as a caulking material, so necessary in this boat which might have in excess of a hundred separate joints."

More hot tar was spread on the joints. Finished off in red and white geometric designs, and glittering with asphalt and shell decorations, such a canoe depended on flexibility to ply the choppy waters of the channel.

A remaining canoe is one built by a 110-year-old Chumash during 1913-1914 at Highland, California, for the San Diego Panama-California Exposition celebrating the opening of the Panama Canal. The procedures were detailed by the pioneering Smithsonian ethnographer, J. P. Harrington. He recorded no fewer than three formulations of tar and pitch. Each was critical in proportion—one for treating milkweed rope for sewing, another to daub the seams, and yet another to secure decorations of abalone shell bits fore and aft.

This canoe today is displayed in the Santa Barbara Museum of Natural History. The museum staff, in cooperation with the San Diego Museum of Man and funded by the Santa Barbara Yacht Club, has taken on the project of the interpretation and publication of Harrington's notes. Dr. D. Travis Hudson, museum director, says: "There seemed to be a practical or spiritual reason for every element in construction. Much emphasis was placed on the ratios of ingredients in the caulking adhesives, waterproofing, and painting compounds. Too much or too little might make the caulking too flexible or too brittle—and your boat sank!"

Today in America more than 2,000 products are made of petroleum. Plastics, textiles, roofing, adhesives, preservatives, high energy fuels, fertilizers, photographic films, detergents, lubricants of all kinds, all derive from the natural resource, oil.

Yet even as this petroleum-based ink is printed upon this petroleum-improved paper, it is worth knowing that the first Americans, too, worked wonders with a substance that was a part of their normal environment. ■

*Reprinted with permission from Exxon USA.

FREE ROUND TRIP AIR FARE FROM ANY CITY IN THE UNITED STATES TO THE PORT OF NEW ORLEANS ON CARRAS SAILINGS!

February 12 to 26/February 26 to March 12/April 2 to 16-

Cities of the Dawn . . . Where did the Maya come from and what made them build as they did? A unique opportunity to see the once-thriving heart of the Mayan civilization. Incredible feats of architecture carried out 1500 years ago by a race which had the ability to chart the distant planets, yet placated their gods with human sacrifices . . . New Orleans, Playa del Carmen, Cozumel, Santo Tomas de Castilla, San Andres, Cartagena, Montego Bay, New Orleans. 14 nights

March 12 to 26 Symphony of Islands & Seas—Opus X . . .

This is a voyage with very special appeal. Holding a promise of music, superbly played, and 2 weeks in the company of those who devote their lives to music, the cruise ship will be transformed into a floating concert hall, with performances by famed solo artists and quartets. The pleasant ports of call will include Santo Domingo, La Guaira Cartagena, San Andres, and Playa del Carmen, Cozumel and New Orleans. 14 nights

April 30 to May 14 Over the Horizon . . . A unique opportunity to combine a pleasant and leisurely voyage with an educational experience—a meeting of minds at sea. On this voyage special shipboard courses have been organized for the benefit of those who seek involvement in the economical and cultural issues of our time. This special voyage will include visits to Montego Bay, Jamaica, Santo Domingo, San Juan, Puerto Rico, Port-au-Prince, Grand Cayman, Cozumel and New Orleans. 14 nights

We are Cruise Specialists

Rancho Santa Fe Travel Service

San Diego Toll Free 298-8600
714/756-2431 and 756-3005

Village Center, Rancho Santa Fe

QUIMBY'S

Restaurant

Hours 8 a.m. to 10 p.m.

Cocktails

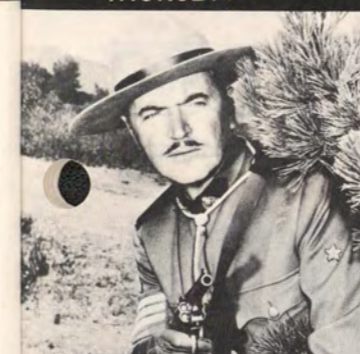
For Reservations 756-2855

Paseo Delicias and La Granada Rancho Santa Fe

JANUARY CALENDAR



Dr. Seuss . . . thru 1/23



Western Film Convention 1/21-23



Broadway Dinner Theatre . . . thru 1/2

1

Splash into 1977 . . .
Penguin Day Ski Fest
Waterskiing on Mission Bay
sans wetsuit
De Anza Cove—East Mission Bay
8 a.m.-1 p.m.
New Year's Day Yacht Races
San Diego Bay
Sponsored by San Diego Yacht Club

2

"When the Cat Comes"
Czechoslovakian film
International Family
Film Festival
La Jolla Museum of Contemporary Art
1 p.m.
**San Diego Symphony
Benefit Concert**
Town and Country
Convention Center West
2-6 p.m.

3

Horton who?
Dr. Seuss
Unpublished drawings
La Jolla Museum of Contemporary Art
12/10-1/23

4

"Arms & the Man"
by George Bernard Shaw
Old Globe Theatre
Nitely except Mon.—8 p.m.
Sun.—2 p.m.
Thru 2/6

5

'All aboard!'
Spaceship Earth
Planetarium Lecture Series
Palomar College-San Marcos
7:15 & 8:30 p.m.
1/5, 12, 19, 26

6

San Diego Symphony
Peter Eros conducts
Thur. & Fri.—8 p.m.
Sun.—2:30 p.m.
Mariners vs. Birmingham
World Hockey Association
San Diego Sports Arena
7 p.m.

7

"Troika Balalaikas"
Russian folk music trio
Palomar College
San Marcos
8 p.m.
One more day for Dole
William Dole exhibition
Fine Arts Gallery-Balboa Park
12/4-1/8

8

Los Angeles Philharmonic
Zubin Mehta conducts
Civic Theatre
8 p.m.
Bronislaw Gimpel, violin
Jakob Gimpel, piano
Ambassador Theatre
Pasadena
8:30 p.m.

9

Mira Costa College
Chamber Music Series
The Young International Trio
St. Mark's Lutheran Church
Encinitas—2 p.m.
First Presbyterian Church,
Oceanside—7:30 p.m.
"The Magic Horse"
"Black Patch"
U.S.S.R. films
International Family Film Festival
La Jolla Museum of Contemporary Art
1 p.m.

10

Deatheridge Piano Quartet
& Chamber Music for Winds
Camino Hall—University of San Diego
8 p.m.

11

A bird in a cave . . .
Easter Island Petroglyph Rubbings
Impressions taken from newly
opened archaeological site
Michael Beede
Bozzarius Trading Co.
Del Mar

12

An American Portrait
Bicentennial Exhibit
Calder, Dali & others
Fine Arts Gallery-Balboa Park
12/20-2/13

13

San Diego Symphony
Rafael Druian, violin
Civic Theatre
Thur. & Fri.—8 p.m.
Mariners vs. Cincinnati
World Hockey Association
San Diego Sports Arena
7 p.m.

14

"Butterflies are Free"
by Leonard Gershe
Patio Playhouse
Escondido
Weekends thru 2/5
Fri. & Sat.—8 p.m.
Sun.—2 p.m.
"Best Foot Forward"
Casa del Prado
Balboa Park
Thru 1/23
Fri. & Sat.—7:30 p.m.
Sat. & Sun.—2 p.m.

15

7th Annual San Diego Invitational
Rugby Tournament
36 teams from western U.S.
Robb Field-Mission Bay
8 a.m.-dusk
Finals on Sunday
13th Annual Mission Bay
Marathon & Half-Marathon
26 mi. 385 yd. course
AAU sanctioned event
East side of Mission Bay
8 a.m. start

16

Culture in the sun . . .
Three-artist show
**Patt Beutel, Francis Crowell,
Mavis Parker**
Knowles Art Center
La Jolla
1/14-2/10
"The Red Balloon"
"White Mane"
French films 1 p.m.
International Family Film Festival
La Jolla Museum of Contemporary Art

17

San Diego Opera
Town Hall Lecture Series
Lofti Mansouri on
"Die Fledermaus"
House of Hospitality
Balboa Park
1 p.m.

18

"The Queen and the Rebels"
by Ugo Betti
Old Globe Theatre
Nitely except Mon.—8 p.m.
Sun.—2 p.m.

19

Renaissance/Baroque & Beyond
Bert Turetzky & Friends
Mandeville Center-UCSD
8 p.m.

20

Break out the peanut butter . . .
Jimmy Carter becomes our
39th President
San Diego Dance Theatre
Dramatic Arts Bldg.
San Diego State University
Thru 1/22—8 p.m.
Mariners vs. Edmonton
World Hockey Association
San Diego Sports Arena
8 p.m.

21

'Hi-ho, Tonto!'
Western Film Convention
Film personalities, exhibits,
screenings, banquet
El Cortez Hotel
Thru 1/23
Benefits San Diego Heart Assn.

22

Yong Uck Kim, violin
Ambassador Theatre
Pasadena
8:30 p.m.

23

Christopher Parkening, guitar
Spreckels Theatre
8 p.m.

24

"The Royal Family"
Spreckels Theatre
Mon. thru Sat.—8:30 p.m.
Wed. & Sat.—2:30 p.m.

25

"Die Fledermaus"
Johann Strauss opera
San Diego Opera
Civic Theatre
1/23—8 p.m., 1/25—7 p.m.
1/28—8 p.m., 1/30—2:30 p.m.

26

Star-studded putting
Andy Williams San Diego Open
Celebrity match
\$180,000 PGA 72-hole Open
Pro-am competition Thur. thru
Torrey Pines Golf Course
La Jolla

27

Put your best foot forward . . .
Hopscotch Tournament
Conference Bldg.—Balboa Park
9 a.m.
Asian Arts Bus Tour
County Museum & Chinatown
Sponsored by Fine Arts Gallery
Mariners vs. New England
World Hockey Association
San Diego Sports Arena—7 p.m.

28

"Luv"
North County Community Theatre
Vista
Thru 2/12
Fri. & Sat.—8 p.m.
Paul Taylor Dance Co.
Dramatic Arts Bldg.
San Diego State University
Fri. & Sat.—8 p.m.

29

"The Maze"
Environmental Work &
Mini-Drama
Multi-media show
La Jolla Museum of Contemporary Art
1/28-3/13

30

"The Magic Fountain"
U.S.A./Austria film
International Family Film Festival
La Jolla Museum of Contemporary Art
1 p.m.

31

"Bubbling Brown Sugar"
Spreckels Theatre
Thru 2/5
Mon. thru Sat.—8:30 p.m.
Wed. & Sat.—2:30 p.m.

LA JOLLA SOCIAL SCENE

by Alice Dutton



Many holiday parties took place at La Jolla Beach and Tennis Club. **Mr. and Mrs. William Scripps Kellogg**, right, entertained Chancellor Emeritus **Dr. J. E. Wallace Sterling** of Stanford University and **Mrs. Sterling** at the club. Kellogg, former president of the Beach Club, once again drove Santa Claus to his destination for the club's annual Christmas party for children of club members.



Bank official **Jim Stewart**, **Mr. and Mrs. A. E. Robison** (University Travel) and **Jack Dinnerstein** were among residents and guests enjoying the model apartments at the Seville, recently completed and decorated by Cannell and Chaffin of La Jolla. The models were previewed the evening of the party.



Still trim and handsome, **Charles F. "Buddy" Rogers** was honorary host at a smashing holiday soiree at La Jolla Seville. **Rogers** captivated residents with reminiscences of Hollywood's golden era when his wife, **Mary Pickford**, and he were movie stars. **Mrs. Seymour Billings** and **Mrs. E. H. Strange** were among 100 residents and guests attending the fete hosted by **A. Cal Rossi** and associates, developers of the Seville.



Dr. and Mrs. Wilmot Pierce were among Seville residents present for the private preview of model apartments at the Seville.

RANCHO SANTA FE GAZETTE

EDITED BY LOUELLA LIVERWURST



WITH THE FORDS IN PALM SPRINGS

Pictured on the Thunderbird Country Club golf course at Palm Springs during President Ford's stay were Ranchoites **Jack and Emma Lee Powell**, left, **President Ford** and **Mr. and Mrs. Cyril Johnson** of Atherton, frequent visitors in Rancho Santa Fe.



RANDOL, WALKER WED

Kathleen Evelyn Randol became the bride of **Don E. Walker, Jr.** in a ceremony in her parent's home in Rancho Santa Fe recently. The reception was held in the garden after the ceremony at the home of **Dr. and Mrs. Neil Randol**.

The bridegroom is the son of **Mr. and Mrs. Don E. Walker, Sr.**, also of Rancho Santa Fe and the grandson of **Mr. C. T. Wheeler** and the late **Mrs. Wheeler** of Chula Vista. The bride is the granddaughter of **Mr. and Mrs. Arch Balchin** of Rancho Santa Fe.

Lori Randol was maid of honor for her sister and **Charles Shupe** of Oceanside was best man. The couple took a honeymoon trip to Mammoth Lakes and San Francisco and are now at home in La Jolla.

The bride's nieces and nephews, **Alanson Randol**, son of **Mr. and Mrs. Richard Randol** and grandson of **Mr. and Mrs. Harry W. Booth, Jr.**, Rancho Santa Fe residents, and **Wendy and Kathryn Lagerquist**, daughters of **Dr. and Mrs. Lynn (Ellen Randol) Lagerquist** of Salt Lake City, were flower girls and ring bearers.



David Ellsworth of Carlsbad and his mother, **Mrs. Lillie Ellsworth**, are pictured with **Mrs. Betty Ford** during their stay in Palm Springs.

The occasion was a gala dinner dance at the home of **Mr. and Mrs. Fred Wilson**. **Mr. Ellsworth** arranged all the flowers for the dinner dance, as well as in the **Leonard K. Firestone** home where **President and Mrs. Ford** stayed during their respite from official duties.



Left to right: Caroline Kowalski and Caroline Steen from Preferred Properties Real Estate and Jean Stewart from Rand & Stewart Real Estate.

HACIENDA SANTA FE OPENS

Hacienda Santa Fe, a development of one-acre and larger lots for custom homes, recently held its formal opening with a noontime cocktail buffet.

Hacienda Santa Fe is located immediately east of Rancho Santa Fe and has a total of 128 lots on 195 acres. It has a rural, equestrian atmosphere with rolling hills. All utilities are underground and covenants set minimum standards and control land use, architecture, landscaping and lot maintenance. Horses are permitted to be boarded on 22 lots on the periphery of the development. Twelve homes are now under construction.

Hacienda Santa Fe is a joint venture of Fairhomes, Inc. and Lomas Santa Fe, Inc.



Mrs. Peggy O'Driscoll, Town & Country Real Estate, with Gary Graves, vice president of marketing and communications, Lomas Santa Fe, Inc.



COUNTRY SQUIRE GIFT SHOP HOLDS OPEN HOUSE

Holiday cheer plus a chance to look at new and delightful gift ideas was hostessed just prior to the holiday season by the Country Squire Gift Shop. Maggie Tomazin and Bette Cunningham were part of the group bidding guests to browse and enjoy a bit of bubbly.



SUMMER VISIT NETS JOB FOR ORGANIST

Jack Jenkins, 23, is one of the artists responsible for the rich, melodious strains of music heard the moment one enters the spacious lobby of the Solana Organ Power restaurant-theatre (formerly the Solana Theatre) at 113 S. Acacia in Solana Beach.

Jack studied organ under Dr. Howard Kelsey at Washington University in St. Louis and Kathleen Thomerson at Southern Illinois University. He was vacationing in Rancho Santa Fe this past summer and was asked to audition for Preston Fleet, president of Organ Power. Much to his surprise, he was asked to be a staff organist for Organ Power, starting at the Solana Beach location which was to open in two weeks.

He is now trying to figure out just how quickly he can move his beloved theatre organ and cherished 1935 Buick with side mounts from his home in Illinois to his new home in Rancho Santa Fe. An antique car buff, he restored this treasure himself.

Jack and other Organ Power organists can be heard daily except Monday from 11:00 a.m. to 2:00 p.m. and from 5:00 p.m. to 8:30 p.m.

RSF SAVINGS CELEBRATES CARLSBAD BRANCH OPENING

The elegant new offices of Rancho Santa Fe Savings and Loan were officially opened last month with a cocktail-buffet held on the site of the new Carlsbad office at 1207 Elm Avenue.



Robert Jackson of La Jolla (director), and Ken Jensen, senior vice president and manager of the La Jolla office.



Mr. and Mrs. Robert Frazee of Carlsbad. Mr. Frazee is one of Rancho Santa Fe Savings and Loan's newest directors.



Mr. and Mrs. Howard Baumgartner of Carlsbad. Mr. Baumgartner is also one of RSF Savings and Loan's newest directors.



Mr. and Mrs. Richard Colbourne, president of RSF Savings and Loan with Frank Warren, chairman of the board.

NEW RESIDENT IS PROMINENT EYE SURGEON



Roger Walentine, M.D. F.A.C.S., eye physician and surgeon, his wife, Janice Kay, son Scott, 7 and daughter Kristen, 9 are settling into their new home on El Mirlo in Rancho Santa Fe.

Dr. Walentine is a Fellow of the American College of Surgeons, was a flight surgeon in the Air Force and Chief of Ophthalmology at Warren General Hospital for five years. He performs an average of two hundred cataract operations per year as well as eight or nine corneal transplants and is deeply involved with innovative research on glaucoma.

SYMPHONY GROUP SPONSORS DEBATE

A most unusual program will be presented at the Garden Club by the Rancho Santa Fe Friends and Auxiliary of the San Diego Symphony Orchestra on Sunday, Jan. 23, at 3:00 p.m.

A debate and panel discussion will take place between two major critics and three international performing artists. The cast is as follows: Critics—Donald Dierks, music critic, *San Diego Union*, and Martin Bernheimer, critic, *Los Angeles Times*. Performers—Maestro Peter Eros, conductor, San Diego Symphony Orchestra; Leonard Pennario, internationally known concert pianist, and Nina Hinson, mezzo soprano, member San Francisco Opera Company. Moderator—Dr. Burton L. Karson, professor of music, California State University.

There will be a charge of \$5.00 per person for this event to help defray expenses. Reservations are limited. Call Mrs. H. Chandlee Turner, Jr., chairman of the auxiliary, (756-3510) or Mrs. Frank T. Weston, program chairman, (756-3807) for further information.

NEW LPGA TOURNAMENT SCHEDULED HERE

The Ladies Professional Golf Association and the American Honda Motor Co., Inc. have announced plans for a major tournament to be held March 23-27 at the Whispering Palms Country Club in Rancho Santa Fe.

Kathryn Crosby, wife of **Bing Crosby**, will serve as honorary chairman for the **Kathryn Crosby/Honda Civic Golf Classic** which is expected to attract the top women golfers on the LPGA circuit.

The tournament boasts a purse of \$165,000, the third largest ever offered in an LPGA event and more than four times greater than for any previous women's tournament played in the San Diego area. The winner is expected to receive a minimum \$25,000.

Although not patterned directly after **Bing Crosby's** Pebble Beach Pro-Am classic, celebrity golfers will be a prominent part of the main 72-hole event. The four competitive rounds will begin March 24 with only the women participating. The field will be cut to the low 60 scorers (and ties) for Saturday-Sunday play, with the qualifiers paired with celebrities for the final two rounds.

"**Kathryn** plans on having a celebrity field similar to her husband's at Pebble Beach," said **Don Ross**, tournament director. "And early indications are that she'll have as difficult a time as **Bing** in handling all the requests."

More than 120 women are expected to compete, with pro-am scramble competition scheduled for March 23.

Mrs. Crosby, a registered nurse, has designated the Philip Y. Hahn School of Nursing at the University of San Diego the beneficiary of the tournament proceeds.

NEED A HOUSE-SITTER?

His business card says "responsible" and "available for house-sitting." His name is **William D. Pharr** (son of one of our local stockbrokers) and he's a handsome house-sitter—even though good looks don't matter when it comes to breaking and entering. He's 24, very responsible, and can be reached by dialing 756-2332 if you're going away for a spell and need somebody to keep two eyes on things.

POP WARNER ASSOCIATION COMPLETES SUCCESSFUL SEASON

Solana Beach, Del Mar and Rancho Santa Fe can be proud of their fine Pop Warner football season! A bright red jacket (given by San Diego Fed of Del Mar) is now a prized possession of every player and cheerleader, representing hours of hard work and practice in order to achieve this jacket award.



Charles Bass of the Aztecs



Scott Mortland of the Mustangs



SURPRISE BIRTHDAY PARTY

Gwen Bohannon of Rancho Santa Fe was recently honored at a birthday party hosted by **Sylvia Upshur** in the library of the Rancho Santa Fe Inn. Decorations were in keeping with the holiday season and the 25 invited guests were a complete surprise to the guest of honor.



WEDDING CELEBRATED

Pamela Boteler and **Lee Julien** chose the tiny ski resort in Kirkwood Meadows as the site of their wedding which took place on Nov. 27. The reception (not immediately following the ceremony as per custom) took place instead during the Christmas holidays when all of their many friends could gather at the home of the bride's parents on Paseo Delicias. It was a Mexican Fiesta, bright with friends and food to fete the young couple, now "at home" in Rancho Santa Fe. **Mr. Julien** is a custom home builder.

Coyotes live on rabbits, ground squirrels, mice, rats, an occasional deer, garden produce and any cat that doesn't beat them to a tree.

By the time I reached home it was too dark to see and behind me, on the mesa, I could hear the coyotes howling; a wild, lonesome sound. Jesse was subdued. So was I. But I couldn't blame the coyotes for attacking her. It was Jesse who had trespassed on their territory and not the other way around. Jesse had her own backyard. The coyotes used to have the whole Southwest. Soon afterwards, the mesa where I rode that night became Village Park.

McKinny explained that the coyote is classified a varmint because, "It's not a game animal and it does more harm than good."

By whose standards? The coyote will kill almost anything that moves, but so will man. The coyote will eat carrion. So will man. (What else do you call a dead steer that's been aged for two weeks in a meat locker?) An occasional coyote will kill for sport rather than food. Any human that wants to kill for sport is issued a license. He is then called a sportsman. The coyote is called a predator. By 1947, after the federal government had spent 32 years in a systematic predator control program, it tallied 1,884,897 dead coyotes. In a typical year in the 1960's, the Interior Department's official count was 89,653. In one year.

Biologists contend that the function of predators is to cull the weak, the feeble and the infirm of the species they prey on. By actively seeking out and destroying the coyote, man has assured the evolution of an animal even craftier than his medicine dog forebears: one who can climb sheep fences and detect poisoned bait; who has extended his range from the Arctic to Costa Rica and has been sighted in New Jersey; who will eat almost anything and can reproduce even in downtown Los Angeles; a genuine 20th century trickster who is fast on his feet, wary, cunning and so tenacious of life that he has won people to his side for his sheer determination to survive.

It's time we removed the coyote from the varmint list and upgraded his classification to something more befitting his nature. After all, what's the bald eagle done for America lately? ■



Christian Dior

Eyewear designs by Christian Dior lend a look that is unmistakable. Dramatic styling is etched into every detail.

And each frame is individually molded of Optyl®—the remarkable, feather-weight material with infinite design possibilities that allowed the House of Dior to distinguish itself again and again.

1514 Encinitas Blvd. Encinitas
VILLAGE SQUARE 436-6116

VILLAGE OPTICAL FASHIONS

Ruby Shumate, Owner
Fashion Frames for the Entire Family



There's a very special place for you to enjoy between the Pacific Ocean and Rancho Santa Fe.

It's the Lomas Santa Fe Country Club, which offers complete facilities for your recreational enjoyment: a scenic and challenging championship golf course; a fantastic tennis facility with twelve courts, six lighted for night play, and two practice alleys; and a sparkling 25-meter swimming pool with high and low diving boards.

For dining and social activities, there's the elegant Main Clubhouse overlooking the golf course and ocean.

Applications for membership and additional information may be obtained from: Mr. Jack L. Austin, Lomas Santa Fe Country Club, P.O. Box AG, Solana Beach, California 92075, (714) 755-1547/276-7461.

Lomas Santa Fe COUNTRY CLUB

In the beautiful community of Lomas Santa Fe

SEEN IN RANCHO BERNARDO

Photography by Ernie Cowan

By Marge Gibson



Head table guest at the Third Annual Military Ball were, left to right, Col. and Mrs. Henry Keller, Lt. Col. and Mrs. E. Wayne Watkins, Col. and Mrs. Fenton Mee, Cdr. and Mrs. Edwin Jenks and Lt. Col. and Mrs. David Coon.



Greeting guests at the Third Annual Rancho Bernardo Military Ball held recently in the Bernardo Room of The Inn at Rancho Bernardo are, left to right, Capt. and Mrs. Donald Nellis; Lt. Col. and Mrs. Richard Ashman, 1975 ball chairman, and Col. and Mrs. Henry W. Keller, this year's ball chairman. Capt. Nellis will chairman the 1977 military ball.



Rancho Bernardo residents Mike Stelman, Ken Kosta and Chuck Engerbretson, owners of Los Compadres Restaurant in The Mercado, celebrate at the grand opening held recently.



Sandy Booth, left, co-chairman of the Rancho Bernardo Junior Women's Club Chinese Auction benefit for University Hospital's Trauma Center, presents a program for the evening's auction to "Cappy" and Violet Cappriotti and Glen and Mary Warren. Jeanette Fortney, far right, assists.



Left to right, Stuart Oster, Ed Collins, Gay Oster and Don Studer were part of the capacity crowd at the Rancho Bernardo Swim and Tennis Club auditorium for the Junior Women's Club Chinese Auction. Proceeds from the auction totaled \$3,000 for the benefit of University Hospital's Trauma Center.



Janie Masone, Carolyn Uyeda and Chinese Auction committee members Sandy Shelby with Vincent Wayne, deputy director of University Hospital.

Because
you slept
in a
SLEEPER-LOUNGE



You will awaken completely refreshed
... more relaxed than you could ever
realize. Investigate this better way to
read in bed — more comfort to watch
T.V. — and restfully sleep.

TRY IT FOR YOURSELF



*Sleeper
Lounge*

The first and finest electrically
adjustable bed for the home
IN SAN DIEGO COUNTY ONLY AT

Everett Stunz Co.
7644 Girard Avenue
Phone 459-3305
La Jolla

**PSA flies to
Hollywood-
Burbank
5 times a day
(from San Diego).**



The symbol of friendship
around the world

Welcome Wagon
INTERNATIONAL

May I call on you?

Jo Luecke
487-5630

'We've messed with everything else, why don't we just leave our genetic bank alone?'

PLAYING WITH GENES

By Stephen Leeper

The crane with its yellow frame tower and blue boom dominates the construction site. Even before the foundation of the UCSD School of Medicine's Medical Teaching Facility (MTF) was laid, controversy had begun. The fourth floor of the MTF will house a P3 Biohazards Laboratory where recombinant DNA (RecDNA) research will be conducted. Miraculous benefits and Andromeda strain-like epidemics are both spoken of in relation to RecDNA research.

With the RecDNA technique, selected genetic material from one species can be incorporated into the genetic material of another species, the host cell. This technique can be applied for a variety of purposes. One is to deliberately alter the properties of the host cell, ominously titled genetic engineering, out of which boils the present controversy.

What federal action has been taken to allow the possible benefits, yet prevent the potential dangers? And how is UC San Diego reacting to the controversy?

In July, 1974, the controversy was officially made public. The Committee on Recombinant DNA Molecules of the National Academy of Sciences printed in *Science* (185:303) a letter calling for a voluntary moratorium on potentially dangerous RecDNA experiments. An international conference met in Asilomar, California in February, 1975 to evaluate progress in RecDNA technology and to consider ways to deal with the dangers. In La Jolla in December, 1975, the National Institute of Health (NIH) Conference outlined guidelines for RecDNA research. On June 23, 1976, the NIH released guidelines specifying the conditions under which NIH supported RecDNA research could be conducted.

The NIH Recombinant DNA Advisory Committee summarized its task of writing the guidelines: "Our problem, then, has been to construct guidelines that allow the promise of the methodology to be realized while advocating the considerable caution that is demanded by what we and others view as potential hazards." Recombin-

ant DNA molecules are defined in the guidelines as "... molecules that consist of different segments of DNA which have been joined together in cell free systems, and which have the capacity to infect and replicate in some host cell, either autonomously or as an integrated part of the host's genome." Copies of the guidelines and the RecDNA Environmental Impact Report can be obtained by writing to:

Dr. William Gartland
Acting Director, Office of
Recombinant DNA Activities
National Institute of
General Medical Sciences
Bethesda, Maryland 20014

The guidelines prohibit some experiments, specify the conditions under which other experiments can be conducted and establish a regulatory hierarchy.

Some experiments are considered too dangerous at this time. Recombinant DNA experiments using pathogenetic, cancer-causing or dangerous, toxin-producing organisms are prohibited. Attempts to increase the virulence of an organism or give it drug immunity it could not have acquired naturally are not allowed. Recombinant DNA molecules cannot be released into the environment.

PROTECTIVE GUIDELINES

The allowed RecDNA experiments must be conducted at differing combinations of two types of protective containment: physical and biological. The

precautionary methods necessary and the design features of the laboratory are defined in physical containment. Four levels are defined: P1 through P4. P1 (minimum security) recommends the use of Standard Microbiological Procedures (SMP). P2 (low security) requires use of SMP. Doors must be kept closed; wastes decontaminated; no eating, drinking, smoking or storage of food allowed; hands must be washed before leaving the lab; lab coats must be worn; special protective cabinets must be used when an experiment might produce gas, and an insect and rodent control program is required.

The P3 (moderate security) laboratory, planned for the fourth floor of the Medical Teaching Facility at UCSD, requires, in addition to SMP, other precautions. Access must be limited to laboratory personnel only. The ventilation system must provide air flow into the laboratory when the doors are open. Gloves and laboratory clothing are required and cannot be worn outside the laboratory. All experiments must be done in special safety cabinets. The international biohazards sign is required on all access ways to the laboratory.

The P4 (high security) facility is required when handling "microorganisms that are extremely hazardous." Access to a P4 facility is strictly controlled. The engineering features include double-doored air locks in which only one door can be opened at a time, a locker with a shower, double-doored autoclaves in which all materials being removed can be decontaminated, a biowaste system for all liquid wastes and a system to decontaminate air before it is dispersed into the atmosphere. In addition to P3 precautions, personnel must shower and change clothes when entering and leaving, only laboratory clothing can be worn and all P4 experiments must be conducted in special air-tight cabinets. The only two existing P4 laboratories are military research facilities.

Protective biological containment is also defined in the guidelines and concerns the likelihood of survival of a research organism should it escape from

the laboratory. Three levels of biological containment, EK1 through EK3, are defined for the bacteria *E. coli*, the most commonly used host. Wild strains of *E. coli* inhabit the human gut. The laboratory strain of *E. coli* (K-12), which appears to have a significantly lower rate of survival in humans than the wild type, is the lowest level of biological containment (EK1). The EK2 system is an *E. coli* K-12 strain genetically mutated so that only one in ten million can survive outside the laboratory. The investigator developing the EK2 system will determine its ability to survive. After review of the data, the NIH will certify the system as EK2. An EK3 system is an EK2 system upon which independent studies confirm the developer's data and is certified by the NIH. Other host organism systems can be modeled after the *E. coli* systems.

The RecDNA experiments presently known have been classified by potential hazard. The greater the potential risk of an experiment the higher the required combination of protective containments. For example, a shotgun experiment (involving RecDNA molecules made from all the genetic material of the experimental species) using DNA from primates requires P3 and EK3 or P4 and EK2 containment. An experiment using bacterial DNA requires P1 and EK1 containment. The guidelines present a detailed classification of required containments for known experiments.

REGULATION HIERARCHY ESTABLISHED

A hierarchy for regulation of the guidelines has also been established. The National Institute of Health will review grant proposals to determine their conformity to the guidelines; respond to problems, reports and questions submitted by local biohazards committees, and inspect P4 facilities. The NIH Recombinant DNA Molecule Program Advisory Committee, composed of scientists, will advise various government agencies concerning developments in RecDNA research, revise and update the guidelines, and evaluate and certify EK2 and EK3 systems.

Each institution conducting RecDNA research is required to establish a local biohazards committee and must report to the NIH the background and qualifications of each of its members. Its functions include advising the institution on policy; identifying, reviewing and approving the investigators of the institution involved in RecDNA research, and communicating with the NIH Advisory Committee.

The UCSD Chancellor's Special Biohazards Committee (CSBC) is made up primarily of biology, chemistry and medical professors and/or researchers.

A complete list of the committee members and their affiliations can be found at the end of this article.

The CSBC first met on July 22, 1976. In the early meetings, the committee defined its functions. Presently, the committee is identifying UCSD researchers involved in RecDNA research and other potentially biohazardous research.

Each institution involved in RecDNA research is required to establish a relevant library collection. The UCSD Biohazards Library Collection is in the UCSD Biomedical Library and contains, initially, related newspaper clippings, government documents on biohazards, the minutes of the CSBC and a list of the Committee's membership. This collection will be expanded.

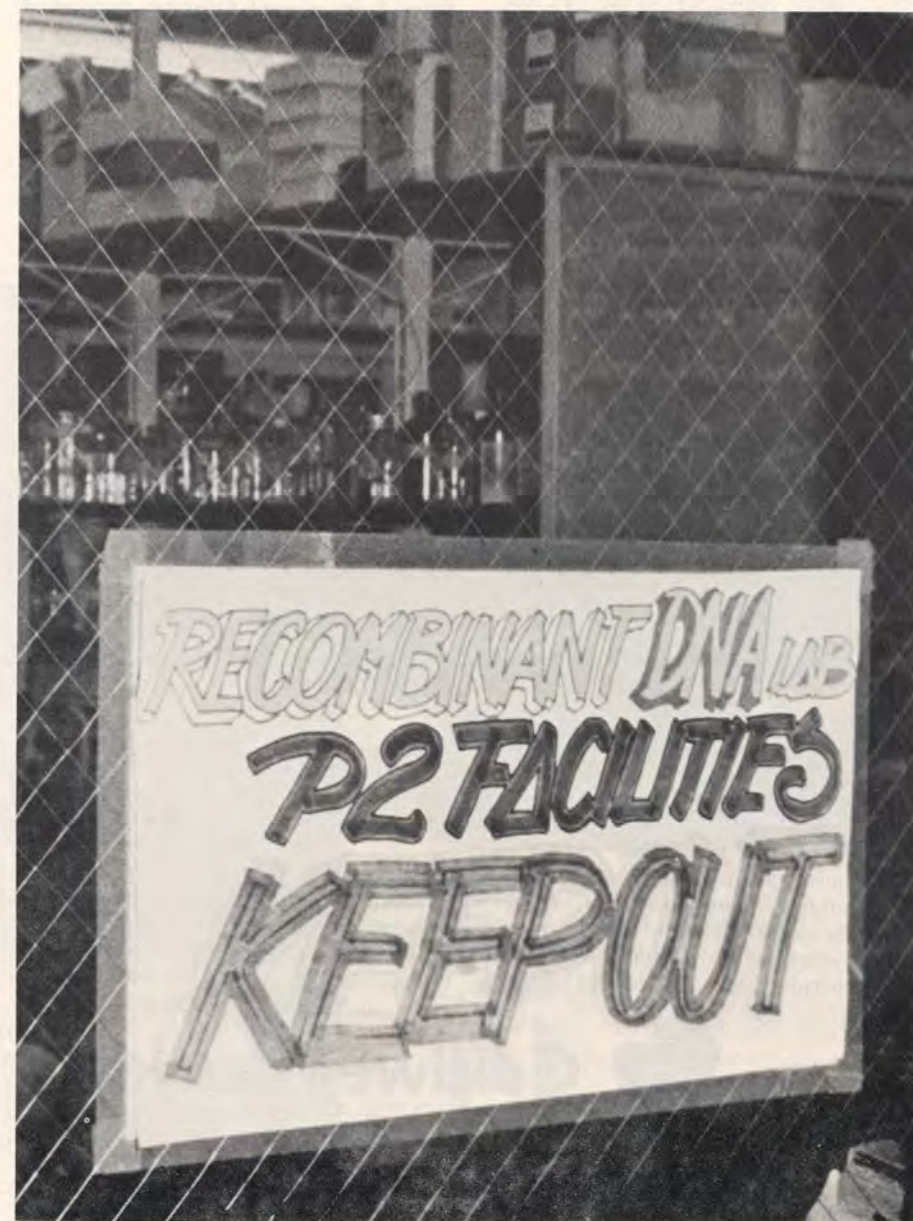
The City of San Diego Quality of Life Board has formed a DNA Study Committee. Its primary function will be to evaluate the actions of the UCSD Biohazards Committee. Copies of the

minutes of the Study Committee (highly informational) can be obtained from:

Jim Gleason
Environmental Quality Division
Planning Department
202 C Street, 5A
San Diego, California 92101
236-5775

At the first (August 4, 1976) and the second committee meetings, members of the UCSD Biohazards Committee answered questions. Critics of the present regulation of RecDNA research (Robert Sinsheimen, California Institute of Technology; Douglas DeNike, Massachusetts Institute of Technology) were questioned. Advocates of RecDNA research as presently regulated (Paul Berg, Stanford University and John Spizizen, Scripps) have been questioned at subsequent meetings.

Last in the regulatory hierarchy is the principal investigator. He will de-



Photography by S. Michael Woodward

**BIOLOGICAL
HAZARD**



Recombinant DNA research raises serious questions as to moral, ethical and philosophical bounds beyond which we should not step.

fine his research and determine the specific experimental techniques used in his laboratory. His proposals and techniques will be evaluated by the local biohazards committee after NIH approval of his grant.

Recombinant DNA research is going on at UCSD. Who's doing it? What are they doing? And what do UC San Diego scientists say about the controversy?

UCSD RecDNA RESEARCHERS

Dr. Donald Helinski, professor of biology, is a member of the NIH Recombinant DNA Program Advisory Committee. Helinski is developing safer and more effective cloning (putting the RecDNA molecule into the host cell) techniques. Recombinant DNA, a new technology, requires further improvements to fully exploit the technology and realize its potential benefits, says Helinski. He is cloning E. coli DNA into E. coli, a minimum risk experiment.

The RecDNA technique is being used by Dr. Melvin Simon, associate professor of biology and CSBC member, to understand movement of E. coli. Such information could contribute to understanding at the genetic level how organisms respond to the environment. He, too clones E. coli DNA into E. coli.

Dr. Richard Firtel, assistant professor of biology, is studying the life cycle of *Dictyostelium Discoideum*, a higher microorganism on the evolutionary scale than E. coli. He is attempting to understand differentiation: what makes cells in complex organisms perform their correct function instead of another function. Firtel is cloning *D. Discoideum* DNA into E. coli using the shotgun technique, which requires P2 and EK1 containment.

Dr. John Abelson, associate professor of chemistry and CSBC member, is also interested in differentiation. He uses the RecDNA technique to manufacture the E. coli and yeast DNA molecules he

is interested in studying. He is cloning E. coli and yeast DNA into E. coli, requiring P2 and EK1 containment.

What benefits does a P3 facility at UCSD offer to San Diego? Clifford Grobstein, vice chancellor of University Relations and professor of biology, has written articles about RecDNA research for the *Los Angeles Times* and *San Diego Union* and is a member of CSBC. He feels a P3 laboratory at UCSD will benefit San Diego as research at Scripps or Salk does.

Grobstein feels, however, that work requiring P4 containment is not generally appropriate at a university. The special equipment, degree of isolation and the level of discipline required of work with the highly hazardous P4 materials is difficult to obtain in a university atmosphere. Furthermore, the security involved decreases the educational value of the work which is inconsistent with the ideal of the university.

Recombinant DNA research is frequently compared to the scientific revolution of nuclear physics. Helinski feels they are comparable because both "brought science into a totally new area." Grobstein points out a distinction. Knowledge of RecDNA became public earlier in its technological development than did comparable fundamental knowledge of nuclear physics. Firtel dislikes the comparison

saying that atomic weapons have killed, but RecDNA technology has not.

Regarding the benefit-danger balance, Firtel feels that RecDNA research offers enormous potential for knowledge that could lead to a cure for genetic diseases and cancer. Abelson also speaks of potential cures for disease. Both feel the dangers are minimal. According to Helinski, the dangers of nuclear physics are clear, whereas the dangers of RecDNA technology, though they must not be dismissed, are presently hypothetical. Helinski sees the knowledge gained from RecDNA research about nitrogen fixation as a possible means for increasing world food supplies. Grobstein feels the benefit-danger balance is not resolved and that both potential benefits and hazards require further evaluation. To accomplish this, additional data is needed, so he opposes a moratorium. "The question is," he says, "how best to proceed."

Clearly, some potential hazards accompany the growth of RecDNA research. The NIH guidelines represent the present action taken to deal with the danger. Helinski says, "I support the guidelines. I feel that they are responsible. They are conservative from the standpoint of taking more than adequate precautions. Two years of extensive discussion and thought have been put into the potential hazards. In

my view, the NIH Committee, of which I am a member, has acted appropriately." Grobstein feels the guidelines "are a reasonable first step," but should not be considered the final word.

NIH GUIDELINES CRITICIZED

The guidelines are, however, being criticized. The most frequently spoken criticism concerns potential conflict of interest caused by the composition of the NIH Committee, made up almost entirely of RecDNA researchers and advocates. Their desire to conduct the research has, critics say, caused them to neglect the safety needs of society.

Helinski responds that only three of the twelve committee members are actively engaged in RecDNA research. He feels their presence on the committee is necessary "to provide technical information." Firtel feels criticism should be directed at specific weaknesses in the guidelines, instead of at who wrote them. Grobstein points out that the people accused of a conflict of interest initiated the process that led to development of the guidelines.

Some critics point to classification of shotgun experiments at different containment levels for different species as a sign of conflict of interests. Critics claim the danger of shotgun experiments is uniform, regardless of the species involved, making classification of containment according to species

meaningless. The dominant opinion of scientists is support of the classification of shotguns. The closer a species is to humans on the evolutionary scale the more likely is its DNA to be harmful to humans. However, politics may have determined where different species were classified. Grobstein commented: "Some people clearly worked harder to get the organisms they were interested in doing at lower containment levels."

The use of E. coli as a host for RecDNA molecules has been criticized because wild strains of E. coli inhabit the human intestines. If a pathogenetic or cancer-causing strain of E. coli escaped from a laboratory, it could possibly spread disease or cancer in man. However, the UCSD professors rebutted, more is known about the genetics of E. coli than any other organism. The resulting ability to control E. coli makes it the safest host system available.

An E. coli disaster scenario put forth by Erwin Chargaff, Columbia University, (*Science* 192:938) states: Even though each wild strain of E. coli and each RecDNA containing E. coli (EK1) strain is harmless, "genetic recombination in the intestinal tract may even cause harmless enteric bacilli occasionally to become virulent." Since the number of E. coli species (EK1) is increasing as a result of RecDNA research, the probability of a dangerous

continued on page 64

CASCADIAN BEAUTY



This newly-built home in south Rancho Santa Fe has a spectacular view of the ocean and the Del Mar Racetrack. The Cascadian design-lodge entryway leads to a dramatic sunken living room with 21' high beams and a full wall California lava fireplace. There is a swimming pool and a jacuzzi designed for royalty. The kitchen, with a built-in range plus microwave oven, woodblock and island Corning cooktop, looks out into an interior orchid room with a humidifying and air control system. Office and intercom, 3½ baths, den, elegant wet bar, maid's quarters, sprinkler system, all carpets and draperies. \$229,500.

Coldwell Banker
RESIDENTIAL BROKERAGE COMPANY
A COLDWELL BANKER COMPANY

930 Prospect Street, La Jolla

(714) 459-3851 or 481-8747

THE FINEST IN
PROFESSIONAL
REAL ESTATE
SERVICE
SINCE 1906.



"CITYSCAPE"® COLLECTION by PAUL EVANS
Shown in polished chrome

**DESIGN
INTERIORS**

1241 cave st.
la jolla, ca. 92037
(between prospect
and ivanhoe)

(714) 459-2000



The "Party of the Year" was given on election night by **Harold Stern**, **Mel Garb** and **Mr. and Mrs. Harrison Levin** of La Costa. Standing between **Mr. and Mrs. Levin** are the most talked about guests of the evening. Flown in as a special surprise, and introduced with much political fanfare and hoopla, were **Jimmy Carter** and **Gerald Ford** look-a-likes. Before the sensational party, designed by famed Beverly Hills party coordinator, **Marcia Lehr**, was over, it was obvious **Walt Hanna**, alias Carter, has four glorious years ahead, while **Emmett McCreary**, alias Ford, will once again be his own person.



Zetta Castle, center, and **Mrs. Sid Gillman** congratulate **M. B. Dalitz**, a principal at La Costa who was honored Dec. 15 in Las Vegas by the National Board of Trustees of the American Cancer Research Center and Hospital. **Mr. Dalitz** received the 1976 Humanitarian award at a formal dinner at the MGM Grand. **Bob Hope** was an honored guest and master of ceremonies. **Harry James** and his orchestra provided the dancing pleasure for some 400 guests, many from La Costa, political dignitaries and celebrities from the world of entertainment and sports.



Mr. and Mrs. Stan Praver dancing to the Bob Voss Trio on election night at the **Harrison Levin** bash.



An attractive Rancho Santa Fe foursome enjoying the excitement of the "Party of the Year," are **Mrs. Lennie Oberman**, **Mr. and Mrs. Jack Stires** and **Mr. Oberman**.



The **Bill Weinstens'** expressions sort of sum it up—the "Party of the Year" was without a doubt one of the greatest parties ever given at La Costa.


Lubach's
"Everything you'd like a restaurant to be"
 Hawthorn at the Waterfront
 Noon till Midnight
 Closed Sundays & Holidays
 232-5129
 Winner of Holiday Magazine Award

Among the riches of Beverly Hills is a little gem of a hotel...



Decently priced, a stroll from Gucci, Van Cleef & Arpels, Mark Cross; 100 rooms, two penthouses; 20 minutes — and a world apart — from L.A. airport. Among the pleasures of the city, our own notable Chez Voltaire restaurant and piano bar.

Max Baril's new
Beverly Rodeo Hotel
 360 No. Rodeo Drive, Beverly Hills, California
 (213) 273-0300 Outside of California Call Toll-Free (800) 421-0545.

JANE BRETT
 Rancho Santa Fe
REALTOR

756-1442
 La Granada & Paseo Delicias

THE BUSINESS CIRCUIT

DEL MAR LOCATION IS HOME FED'S 50TH

Approval for the fiftieth office of Home Federal Savings and Loan Association of San Diego was granted by the Federal Home Loan Bank Board of San Francisco, Home Federal President Kim Fletcher announced.

The office will be located in Del Mar's Flower Hill Shopping Center. It is scheduled to open early this year. The Del Mar office approval brings to 28 the number of Home Federal locations in San Diego County.

"Home Federal has gotten approval for four new offices in the last 60 days," Fletcher said.

The other three were an El Cajon satellite office located in Parkway Plaza Village, an Escondido satellite office with location yet to be determined and an office to be located in the Glendale Galleria Shopping Center. The satellite offices are located near existing Home Federal offices and will be equipped to handle savings transactions.

Home Federal is the seventh largest savings and loan association in the nation with \$2.2 billion in assets.

MITCHELL ELECTED REGIONAL PRSA CHAIRMAN

Randall L. Mitchell, president of Mitchell & Associates, Ocean-side, has been elected South Pacific District Chairman of the Public Relations Society of America (PRSA). He will take office Jan. 1 for the year 1977.

In this capacity, Mitchell will serve as liaison for the nationwide organization to the eight district chapters, visiting each of them during the coming year. District chapters are San Diego County, Phoenix, Southern Arizona (Tucson), Nevada Chapter at Las Vegas, Orange County, California Inland Empire (Riverside), Los Angeles and Hawaii.

Mitchell has served the San Diego County Chapter for 12 of the last 13 years as a voting board member. He was president in 1972. For the past three years, he has been chapter delegate to the national assembly.

PRSA has 82 members in San Diego County and over 7,600 in 75 chapters throughout the country. It is a professional association dedicated to the advancement of public relations practice.

56 / JANUARY 1977

RSF SAVINGS OPENS CARLSBAD OFFICE

Rancho Santa Fe Savings' newest office opened Dec. 1 in Carlsbad. Located at the corner of Pio Pico and Elm Streets, the Carlsbad office is the fourth Rancho Santa Fe Savings office to open since May, 1973.

Robert C. Frazee, Howard M. Baumgartner and James H. Gaiser are the directors of the new office.



W. H. (Chick) Mensching

Frazee is mayor of Carlsbad and president and general manager of Frazee Flowers of Ocean-side. He is involved in many community organizations including the San Diego Coast Regional Commission (vice-chairman), the Board of Directors of the North San Diego County Transit District (chairman), the Board of Directors of the Comprehensive Planning Organization in San Diego and the League of California Cities.

Baumgartner has most recently been a real estate broker and builder. He has held memberships in the Carlsbad Rotary Club, the Carlsbad Chapter of the American Field Service and the City of Carlsbad Planning Commission, the Chamber of Commerce, the Boys' Club and the Board of Realtors.

Gaiser was a certified public accountant for 17 years and is currently employed as a registered investment adviser. He was selected as Oceanside Blade-Tribune's "Carlsbad Citizen of the Year" in 1972. Some of his affiliations include the Greater San Luis Rey Area Planning and Development Council (vice-president), the Mira Costa College Foundation, the Carlsbad Chamber of Commerce, the UCLA Alumni Association and the I.O.O.F. (past state officer).

The vice president and manager of the new Carlsbad office is W. H. (Chick) Mensching who comes to Rancho Santa Fe Savings with 15 years of banking service in North County.

FLOWER HILL DESIGNED FOR CONVENIENCE

With an eye to the need for more quality specialty shops without the coldness of most shopping centers, Flower Hill is attempting to strike a blow for warmth and a more human perspective for shoppers, according to Peter Fletcher, owner of the new shopping complex on Via de la Valle near Del Mar.

"Flower Hill has chosen its retailers with care, to bring together a group of high quality merchants rarely found in one shopping center," Fletcher explained.

Architect Don Innis states he is aware of the importance today's shopper attaches to pleasant surroundings. "And we've responded with a mall built to minimize a shopper's steps and maximize his or her comfort," Innis explained.

To this end, Flower Hill was designed as a town square with trees and plants throughout, including a central atrium. And for convenience, the north and south sides of the mall are connected by an unusual wooden foot bridge. Ample parking is provided with easy access to the San Diego freeway.

PREWITT PROMOTED AT WOMEN'S BANK

The Women's Bank has announced the promotion of Sheila Prewitt to assistant cashier/operations officer.

Prewitt came to The Women's Bank when it opened last March after ten years' experience with other banks in San Diego. Previously she was junior loan officer with Central Federal Savings & Loan, and filled other posts with Crocker Bank, Bank of Montreal and Title Insurance & Trust.

Women's Bank president, Rita Mills McCoy, said Prewitt's promotion furthers the objectives of The Women's Bank by providing a high quality of customer service and opening advanced opportunities to women in the banking field.

The Women's Bank in San Diego is the first women's bank to open in the Western United States. It is a totally non-discriminating bank, emphasizing financial services for women. An on-going series of educational seminars is a major part of the bank's special services.

The Women's Bank is located at 5353 Mission Center Road.

\$3.75 MILLION CARLSBAD PLAZA LOAN SECURED

The North County soon will have another major neighborhood shopping center.

Santa Anita Development Co. has secured a 30-year, \$3,750 million loan commitment through the San Diego real estate finance office of Coldwell Banker Management Corp. for construction of a 127,495 sq. ft. center in Carlsbad.

Located at the southeast corner of El Camino Real and Highway 78 interchange, the complex will be known as Carlsbad Plaza Shopping Center. Completion of the 11.85 acre project is scheduled in January.

Coldwell Banker Management Corp. real estate finance officer Roger Brenes said leases already have been signed by Bank of America, Payless Drugs, Vons Market, Gibraltar Savings and Loan Association, Security Pacific National Bank and MacDonald's Restaurants.

In addition to these major tenants, Brenes said there also will be 36,750 sq. ft. of space available for satellite shops. Design of the project was by San Diego-based SGPA, an architectural and planning firm.



Artist's sketch shows a portion of the new \$6 million Carlsbad Plaza Shopping Center currently nearing completion in Carlsbad.

Brenes said the area surrounding the new center is rapidly developing into the real hub of the North County, pointing out that the two-level enclosed Plaza Camino Real is directly across the street from Carlsbad Plaza.

Currently under construction at the northwest corner of the Highway 78 interchange is a Gemco store, while a Buffums and Sears presently are being built in Plaza Camino Real.

Brenes said the San Diego office of Coldwell Banker Commercial Brokerage Co. is the exclusive leasing agent for Carlsbad Plaza Shopping Center.

VISTAN RECEIVES CLU DESIGNATION

George H. Rogers III, agent, Northwestern Mutual Life Insurance Co., has been awarded the Chartered Life Underwriter (CLU) diploma and professional designation by The American College, Bryn Mawr, PA, at its National Conferment Exercises held in Washington, D.C.



George H. Rogers III, C.L.U.

The American College awards the CLU designation to persons who have successfully completed the 10-course CLU curriculum and fulfill stringent experience and ethical requirements. This year more than 2,400 men and women received the designation, bringing to over 36,000 the number of people who have been awarded the CLU since the College was founded in 1927.

George, a native of Vista and Vista High graduate in 1970, entered the life insurance business at age 19 while attending Wheaton College, Wheaton, Illinois.

After receiving his BA in economics, George continued his insurance sales career in the Chicago area before he and his wife Pat returned to Vista in September, 1975. He has joined his father, George H. Rogers, Jr. and George A. Porter, CPCU, at Rogers Insurance Agency, an agency established by the senior Rogers in 1948. In July of this year, George III was again honored by Northwestern Mutual as one of the Company leaders in production. At the age of 24, he becomes one of the youngest CLU's in the insurance industry.

Southwest Bank of Vista and Mission Bank of El Toro, recently announced that the two California Chartered Banks have executed a definitive agreement of merger. The announcement was made by Sid Fox, president of Southwest Bank and Tom Winget, presi-

DIXON FORD RECEIVES SERVICE AWARD

Ron Dixon was recently honored for outstanding customer service at a dinner ceremony by the Ford Parts and Service Division.

SOUTHWEST, MISSION BANKS MERGE

Philip E. Benton, Jr., general manager of Ford Parts and Service Division, said, "Dixon Ford can be justly proud of receiving this distinction for its service department employees. It ranks them in the upper 15 percent of Ford and Lincoln-Mercury service personnel nationally."

dent of Mission Bank, after approval of the merger by the Board of Directors of each bank on October 11, 1976.

In the merger, each share of Mission Bank stock will be exchanged for 1.75 shares of Southwest Bank stock, and Southwest Bank will be the surviving bank. The merger is subject to shareholder and regulatory approvals and satisfaction of certain conditions set forth in the agreement.

The merged bank will operate under the name and charter of Southwest Bank.

WICKES LUMBER APPOINTS SALES REP



Carl Diefenbach

Carl Diefenbach has joined the staff of the Wickes Lumber Center of San Marcos as the Installed Sales Representative.

Wickes Lumber, the nation's largest retailer of lumber and building materials offers complete installation service for all the products they sell. Mr. Diefenbach is experienced in commercial and residential construction management.

Diefenbach is committed to greater customer satisfaction through a higher level of service, providing every North County home owner with a single source for home improvement and/or repair and remodeling needs.

DIXON FORD RECEIVES SERVICE AWARD

Ron Dixon was recently honored for outstanding customer service at a dinner ceremony by the Ford Parts and Service Division.

Of the 178 Ford and Lincoln-Mercury dealers in Southern California Dixon Ford was among the 15 honored.

Philip E. Benton, Jr., general manager of Ford Parts and Service Division, said, "Dixon Ford can be justly proud of receiving this distinction for its service department employees. It ranks them in the upper 15 percent of Ford and Lincoln-Mercury service personnel nationally."

GOVERNMENT BUYS SD FED LOAN PACKAGE

San Diego Federal Savings and Loan Association, pioneering a new kind of loan that makes it easier for moderate income families to qualify for home ownership, has become the first savings and loan institution in the West to sell such loans to a U.S. Government agency, San Diego Federal President Gordon C. Luce announced recently.

"Participations" in the first eight flexible payment ("flexi") loans to be offered in the secondary mortgage market by San Diego Federal were purchased by the Federal Home Loan Mortgage Corporation (sometimes referred to as "The Mortgage Corporation"). The loan purchase, the first by the Mortgage Corporation of any flexi loan package in the Western United States, was valued at \$360,000.

San Diego Federal began offering the innovative loan program to home buyers, beginning early this year. By shaving monthly mortgage payments to "interest only" during the first five years of a 30-year conventional mortgage, the flexi loan program actually lowers the annual income level needed by a family to qualify for a home loan by as much as \$1,000 to \$1,400 a year.

San Diego Federal has made nearly \$7 million in flexi loans in California this year.

Luce, who also is vice president of the California Savings and Loan League, was joined by Dr. Maurice Mann, president of the Federal Home Loan Bank of San Francisco; Robert K. Ostengaard, Federal Home Loan Mortgage Corporation senior vice president, and W. Dean Cannon, Jr., California Savings and Loan League executive vice president in hailing this initial purchase of a flexi loan package as "significant and potentially far-reaching."

Cannon said the Mortgage Corporation's initial purchase of such loans in California "will serve as a signal to others in the savings and loan industry that flexible payment loans are now salable in the secondary mortgage market." The marketability of loans in the secondary mortgage market often determines the extent to which lenders will participate in new loan programs.

Luce said San Diego Federal plans to submit another flexi loan package, totaling about one half million dollars, for purchase by the Mortgage Corporation in the next few weeks.

PLAZA WEST II CONSTRUCTION BEGINS

Construction has started on Plaza West II, a \$3.4 million expansion to the Lomas Santa Fe shopping center complex in the community of Lomas Santa Fe.

The 107,000 square foot Plaza West II is being constructed on a 13-acre site at the southwest corner of the intersection of Interstate 5 and Lomas Santa Fe Drive, adjacent to Lomas Santa Fe's Plaza West I shopping center.

Plaza West II will have five connected retail shop buildings, two free-standing buildings constructed to suit tenants and a 72,000 square foot K-Mart department store.

When Plaza West II is completed in the Spring of 1977, the Lomas Santa Fe shopping center complex will have over 340,000 square feet of combined retail and professional office space.

The Plaza of the Four Flags, opened in 1969, has 20 tenants in 100,000 square feet. Walker Scott department store, Safeway supermarket, United California Bank and Oceanside Federal Savings & Loan Association are major tenants.

Plaza West I, opened in 1974, has 12 tenants in 110,000 square feet, with Vons' supermarket, Sav-On drugs, The Handyman home and garden products store and Rancho Santa Fe Savings & Loan Association as major tenants.

An additional 200,000 square feet of retail and office space is planned to complete the Lomas Santa Fe commercial complex, which serves the communities of Lomas Santa Fe, Solana Beach, Del Mar, Rancho Santa Fe, Cardiff by the Sea, Olivenhain, Encinitas and Leucadia. Estimated population of the primary market area is 60,000.

Architect for Plaza West II retail shop buildings is Haugeard-Elrod Associates of Pasadena. R. E. Hazard, Jr., Inc. of San Diego, is the general contractor.

Architect for the K-Mart department store is Commercial Design Associates and the general contractor, North Pacific Construction Corporation, both of Los Angeles.

Financing for Plaza West II is being provided by Union Mutual Life Insurance Company and United California Bank through United California Mortgage Company.

Lomas Santa Fe, Inc., is the developer and owner. Leasing agents are Lomas Santa Fe Realty and Coldwell Banker.

LIVING / 57

ANNIE'S PLACE

HOME/OFFICE DECORATING BUYING SERVICE

Decorator quality home and office furnishings. Select from catalogs and a variety of samples. Quality merchandise at lower than discount prices.

ANN TURNER 755-5787
742 Genevieve St., Suite C
Solana Beach, CA 92075
9-3 Monday thru Friday
Other hours by appointment

Antique Jewelry & Glass
China, Furniture, Etc.

ROSIES

Rancho Santa Fe

756-2659
OPEN DAILY 9-4

Rose Ranson

Buying & Selling
All Types of Antiques

Desia's

CATERING & CONVENTION
COORDINATORS

The ultimate in complete
party planning for every
conceivable occasion

232-9715

everybody shops at



ASHLEY'S
"In The Village"
756-1433

Q: Let's talk a little bit about your history. There's a story about you as a struggling young musician in L.A. during the '50's, how Miles Davis picked up on you and introduced you to Cannonball Adderly, who wanted to put you in his band. And you turned him down. That was pretty gutsy of you.

A: Basically, I've always known what I've wanted to do, and I think that I could have written it off in many ways at that time by thinking, wow, I'm not ready for this. But I just knew that there was something that I wanted to do, and I felt that being with someone else . . . I could have done something, but at the same time, I wouldn't have been able to lead it in the direction I wanted to take it. And I think out of this, it was great for both of us, because Cannonball had great things to say, and I had something I had to say, too, and we both said it in our own ways.

Q: More recently, 1975 was a pretty good year for you. You netted the National Association of Television and Radio Announcers' award as the best male vocalist that year.

A: I've done some pretty good things. I taught at Harvard last year. I played for the President, went to Africa. That was an unbelievable experience, in front of 400,000 people in one concert. I remember it was the night when Muhammed Ali fought Joe Frazier. It was a great show. Roberta Flack, Santana, Wilson Pickett, Ike and Tina Turner, Eddie Harris, the Staple Singers, and a great group of different African musicians that was just unbelievable.

Q: You mentioned Eddie Harris, and one of the questions on the program this morning was about him, too. How was it that you two parted company?

A: Eddie Harris, you know, I think Eddie Harris is a genius. One thing with geniuses is that they have a very strong will. And when you've got two strong wills dealing with each other, sometimes things unsaid . . . and I don't mean in the sense of talking, but it was just that there were things he wanted to do, and things I wanted to do. I think a lot of people misunderstood what happened. We just made records together. We weren't a band together. And it got to be that people wanted to hear us play in person together, so we tried to set up a tour. And the managing people above us, in a sense, the people booking the tours, the people handling the business were fighting and going on such that it

brought a little dissension into the situation and made it impossible for us to play, at that time. I'd rather be a friend of Eddie's than to go through a business venture that would cause us to break up that thing. And that's why it happened, and I'm sure he felt the same way. When you get stories from the managers and agents about each other that neither one of us had said, it comes around and it gets a little messed up, you know what I mean? So we faced each other straight on and said, Look, man, this is what happened. I love you, you love me, we made two records together, OK. Let's just let it be that for now.

Q: Tell me about that drummer you've got, Kevin Johnson.

A: He's a new drummer. He's the son of J. J. Johnson, a very famous jazz trombonist. I love him. He's very open to learning, he shifts well. That's what you really like to have in musicians. The ability to swivel, under all situations. A lot of people are stuck in their ways. Swivel is very important. To be able to swivel. I ought to write a song about that; Swiss-ka-bibble.

Q: What about the rest of the guys?

A: The bass player (Jimmy Rowser) has been with me I think almost eight years. The drummer just started with us in September. The lead guitarist (Miroslaw Kudykowski), this is his fourth year. The rhythm guitar player (Stewart Leaming) started with us this summer. Hell of a guitarist. He's one of my adopted sons. I'm part of an extended family where we all are working together toward some of these things I was telling you about, opening up, being able to swivel, working on our problems. I try to take at least one or two of the young people out of the group, whether they be working with me as a roady, helping with the equipment, or in this case he was a musician and I put him in the band.

Q: And what about you? Your early inspiration was Erroll Garner, a pianist, but the talents you've inspired who've really made names for themselves—Lou Rawls, Roberta Flack—are vocalists. Which do you consider yourself first? I know you got started as a singer-comedian.

A: That's right. I don't think of it that way, though. I just do what I can do when I'm able to perform. I sing, and there are songs I want to sing, and there are songs I want to play. ■

Shops and Services Directory

A RELIABLE CLASSIFIED GUIDE

★ AIR CONDITIONING & HEATING

STILLMAN

STILLMAN HEATING & AIR CONDITIONING INC.
Sheet Metal Work. Gutters. Downspouts.
Kitchen Equipment. Ventilating. Solar Heating.
Lic. #290240 — Free Estimates
1240 N. Highway 101, Leucadia 753-4583

★ AIRCRAFT CHARTER & RENTALS / TRAINING / SALES

Brad & Mary Pearson's
FLIGHT TRAILS, INC.
at Palomar Airport
VA-FAA Approved
Evenings By Appointment
438-4797 — 744-2003

★ AIRLINE TICKETING

CHOICE TRAVEL SERVICE
Agents for All Airlines
In Encinitas: 149 D St., 753-6211
In Solana Beach: 927 Lomas Santa Fe Dr.
755-0218

★ ANIMAL CARE CENTERS

Alcala

A PET CARE CENTER
All Breed Pet Grooming
Bichon Frise & Poodle Show Trims
Heated Geriatric Runs
24 Hour Supervision
ALCALA (714) 436-6619
1273 Crest Drive, Encinitas, CA 92024

★ ANTIQUES

ANTIQUÉ CLOCK SHOP
1340 No. Hwy. 101, Leucadia 753-8844
European weight/spring clocks
Large selection European furniture
American & English oak. Cut glass 9-4 Wed-Sun.

★ ART GALLERIES



CARROUSEL ART GALLERY
541 First St. Encinitas 753-8472
Original paintings · Oil · Acrylic
Watercolors · Graphics · Batik · Ceramics
Open 10:00 a.m. to 5:00 p.m. daily.

★ GRAYS GALLERY

Original Art — Gifts — Custom Framing
12:30 to 5:30 Tues. thru Sat.
Ceramics · Paintings · Wood Carvings
231 S. Juniper, Escondido 746-5226

★ ART SUPPLIES

THE PAINT POT
632 First St., Encinitas 753-7021
Winsor & Newton • Grumbacher • Liquitex
for the commercial artist, designer, student.
Picture framing. Domestic & Imported papers

★ AUTOMOBILE SERVICE

DEL MAR GERMAN CAR SERVICE INC.
155 Carmel Valley Rd., Del Mar
755-1652, 459-7766
Specializing in Volkswagen. Porsche. BMW.
Audi. Volvo. Open Tuesday-Saturday 8am-5pm

★ AWARDS

GLASER-BAILEY TROPHIES
Awards — Plaques — Gifts — Engraving
Hours: 9:00 a.m.-5:30 p.m.
Evenings By Appointment
2015 S. Escondido Blvd., Escondido 743-5551

★ BICYCLES — SCHWINN

HIDDEN VALLEY BICYCLE STORE
Largest stock of new bicycles. Also expert repairs
on all makes; tires, etc.
265 North Hickory, Escondido 746-1509
"Next to '31 Flavors' Ice Cream!"

★ McDUGALL'S COAST CYCLERY

SCHWINN
Service on All Makes
533 First St., Encinitas, CA 753-5867

★ BRAKES

COAST BRAKE & WHEEL SERVICE
Mufflers — Goodyear Tires
Brakes — Wheel Alignment
444 First St., Hwy. 101, Encinitas 753-6272

★ BUILDING DESIGN

GEORGE MARGIEN
The finer things — In any style
"Since 1946"
Paseo Delicias, next to the Country Friends
Rancho Santa Fe 756-3696

★ CABINET MAKING

CUSTOM CRAFT CABINETS
Specializing in Custom Cabinets
Contractor License #287334
1342 Industrial Ave., Escondido 743-0881

★ CANDY

THE CHOCOLATE TREE
For famous hand dipped chocolates — imported
candy specialists — delicious warm fresh nuts.
Free Delivery in Rancho Bernardo
Phone 487-2333
Rancho Bernardo Road

★ CARPETS

CENTURY CITY CARPETS
Draperies • Wallpaper • Vinyl Flooring • Etc.
BankAmericard & Mastercharge Accepted
"Honesty" • "Integrity" • "Service"
1737 S. Escondido Blvd., Escondido 741-0434

★ CARPET CLEANING SERVICE

SMITTY'S OF LA JOLLA, INC.
CARPET CLEANING
"Steamway Method"
Specializing in wall-to-wall carpet!
28 Years in La Jolla
459-3269

★ CARPET & LINOLEUM

ESCONDIDO LINOLEUM & CARPET, INC.
Our 30th year in business
Carpeting - Vinyl Floor Covering - Formica
Resilient Tile
462 N. Elm, Escondido 745-5821

★ CLEANERS

Complete cleaning service. Knitwear cleaned and
blocked to fit. Complete alteration department.
Hand laundered shirt service. Draperies, house-
hold and sleeping bags. Six days — 8 to 6. Drive in.
Popular prices. 1 day service.

CARSON DRY CLEANERS
1240 S. Escondido Blvd. 747-0733
"We own and operate our own plant!"

★ ELECTRICAL CONTRACTORS / REPAIRS

— 24 Hour Emergency Service —
G & C ELECTRIC SERVICE
Residential • Commercial • Installation • Repairs
State Contractors Lic. #288842
753-3581 or 453-7963 Emergency 753-3085

★ ENTERTAINMENT

—FOR YOUR PARTY—
JON ADELSON'S GOLDEN OLDIES SHOW
A one-man audience participation show featuring
songs from the 1950's & 1960's — If you liked
Elvis, Buddy Holly, The Everly Bros. & Annette
Funicello, then you'll love this! Call 726-0544.

★ EQUIPMENT RENTALS

POWAY EQUIPMENT RENTAL
Contractors & Home Owners Equipment
U-HAUL TRUCKS & TRAILERS
Free Instructions with Purchases
13044 Poway Rd., Poway 748-3722

★ FABRIC

STITCH 'N SEW SEWING CENTER
Featuring finest in knits & wovens
Kwik Sew - Jean Hardy - McCalls Patterns
Easy Sew Classes - Sewing Machines
Carriage Center 12845 Poway Rd. 748-4620

Shops and Services Directory

★ FIREPLACE EQUIPMENT

BRASS TOWN
Since 1952
Fireplace Screens & Accessories
Gas Log, Metal Fireplaces
Wall Decor, Gifts
Experience - Service - Quality
2 Locations to Serve You
902 W. Washington St., San Diego 296-2727
1417 S. Escondido Blvd., Escondido 747-0350

THE VILLAGE FORGE
Custom Firescreens
Tools and Accessories
Real Fyre® Gas Logs on Display
1646 Hwy. 101, Leucadia 753-1641

★ FUNERAL DIRECTORS

McLEOD MORTUARY
Continuing More Than Forty Years of
Community Service
1919 E. Valley Parkway
Escondido, CA 92027 Area (714) 745-2100

★ GLASS SERVICE & SUPPLIES

ENCINITAS GLASS CO.
We Are Glass Specialists
Prompt Breakage Replacement
Auto Glass — Foreign & Domestic
Insurance Work — Home & Auto
687 2nd St., Encinitas 753-6361

★ GUTTERS & DOWNSPOUTS

Custom Rain Carrying Equipment
Free Estimates
J. T. JOHNSON
747-4946

★ HEALTH FOOD STORES

ZARVELL'S
Raw Honey, nuts, dates, dairy, produce,
shampoos, and vitamins
755-0957
1153 Camino Del Mar, Del Mar
Hours 9 a.m. until 8 p.m.
(Closed Sundays)

★ HEARING

SONOTONE of ESCONDIDO
— House of Hearing —
• Testing • Full Service
• Complete Line of Hearing Aids
240 E. Grand Ave., Escondido 746-3474

★ HORSES/BOARDING


Rancho Del Mar 481-0612
Via de la Via & El Camino Real, Near I-5
BOARDING — INSTRUCTION
(Beginning - Advanced) Sales
ANNE & BOB SPECK — Owners
Melissa Montague — Instructor

★ LANDSCAPE ARCHITECTS

TUCKER & KATER
LANDSCAPE ARCHITECTS
Telephone: 436-3085
Professional Landscape Architect and Site Plan-
ning, Design and Consultation Services.
582 First St., Suite 2
Encinitas, Ca. 92024

★ LIQUOR STORES

VILLAGE SPIRIT SHOP
featuring
A complete selection of fine Wines & Liquors
FREE ICE
FREE DELIVERY
PARTY NEEDS
BARTENDERS AVAILABLE
in Encinitas
1552 Encinitas Blvd.
at Villate Square Shopping Center
Telephone: 753-0333
in San Marcos
next to Safeway
159 Rancho Santa Fe Rd. South
Telephone: 744-2033
in Rancho Bernardo
across the parking lot from Von's
at the new Town Center Shopping Center
Telephone: 487-4949

★ LUMBER SUPPLIES

ENCINITAS LUMBER
Building Materials • Tools • Hardware • Electrical
• Paints
745 First St. 753-1148 Encinitas

★ MASSAGE

WASHINGTON MASSAGE & SAUNA
A very nice place to relax while your tensions drift
away. Please stop by . . . 157 W. Washington Ave.
(off U.S. 395)
Escondido daily till 2:30 a.m. 746-4050

★ MEAT MARKETS

BOB FISK MEAT MARKET
"Choice Meats Cut to Order"
Barbecued Chicken — Selected Cheeses
12815 Poway Road, Poway
748-0741
"Next to Shakey's"

★ MEN'S WEAR

THE POW WOW
Casual Wear for Westerners
H Bar C • Lasso • Lee • Levi • Stetson • Tony
Lama • Wrangler
The Carriage Center 12845 Poway Road, Poway
748-2444

★ MOVING & STORAGE

BERNARDO MOVING, INC.
Local and World-Wide Moving
Crating — Packing — Storage
Lou P. Caffar, President
(A Rancho Bernardo Resident)
"We are right here to help you like it here."
17024 Grandee Way, Rancho Bernardo
487-4256 Off. 487-0609 Res.
Agent for John F. Ivory Storage Co., Inc.
Detroit, Michigan

★ MUSIC LESSONS

DRUM LESSONS
Instructor employs modern teaching method
To include: Traditional Skills, Full Set Technique
& Solo Work
Hourly Lessons in Private Studio
Emphasis is on individual approach.
487-3398

★ MUSICAL INSTRUMENTS

POWAY MUSIC
Pianos • Organs • Musical Instruments
Guitars • Instruction • Repair
(located in the Music Hall)
12845 Poway Rd., Poway 748-0880

BLUE RIDGE MUSIC
Lessons • Repairs
All Stringed Instruments & Accessories
C.F. Martin • Guild • Peavey • Sigma • Takamine
509 S. Highway 101, Encinitas 753-1775

★ OPTICIANS

A PROPOS OPTICAL
Personalized Eyewear • Fashion Tints • Invisible Bifocals
Photochromic Lenses • Contact Lenses • Bring Us Your
Prescription • Hearing Aids • Sales & Service
644 East Grand Ave., Escondido 746-6221

★ ORNAMENTAL IRON

THE VILLAGE FORGE
Quality Custom Work
Gates — Railings — Window Guards
Wrought Iron Americana and Imports
Metal Sculpture — Custom Firescreens
1646 Hwy. 101, Leucadia 753-1641

★ PHOTOGRAPHY

HOUSE OF PORTRAITS
Portraits our specialty
Weddings Commercial
Passport Photos
By Appointment
HOUSE OF PORTRAITS
Tony Francis, Photographer
1430 Camino Del Mar, Del Mar, CA 755-9347

★ PHOTOGRAPHIC SUPPLIES

GAILEY'S PHOTO SUPPLY, INC.
Escondido's most complete Photo Supply
Since 1948
Featuring Kodak Color Processing
118 E. Grand Ave., Escondido 745-7823

★ PLANTS / FLORISTS


THE FOUR SEASONS SHOP
House and Patio Plants
Imported Gift Items
Cut Flowers and Floral Arrangements
Wire Service
12823 Pomerado Rd. Poway
M-Sat 10-5:30 748-3066

★ PLUMBING

J.L.G.
CUSTOM PLUMBING
Residential • Commercial • Industrial
NEW CONSTRUCTION REMODEL
Repair Service Drain Cleaning Water Heaters
Lic. #304124 Joe L. Galva
714/741-0582 or 747-6931

★ PLUMBING CONTRACTORS

COAST PLUMBING, INC.
P.O. Box 715 — 2120 Jimmy Durante Blvd.
Del Mar 755-1888 436-4567
"Fast, Dependable, Complete Service"
Repairs, Remodeling, New Construction
Lic. #208123

Repairs — Remodeling — New
Water Heaters — Garbage Disposals
Furnaces — Plumbing Supplies
OLEN L. COOK
Escondido 456 E. El Norte Parkway 745-5375
Lic. #159907

★ POOL SERVICE & SUPPLY

SWIMMING POOL SERVICE
SUPPLY AND REPAIR
3 Retail Stores To Serve You
551 N. Broadway, Escondido — 747-1295
1110 S. Escondido Blvd., Escondido — 747-0080
2525 Vista Way, Oceanside — 729-4401

★ PRODUCE

FUKUDA BROS. PRODUCE
"Quality Fresh Strawberries and Tomatoes"
MISCELLANEOUS FRUITS AND
VEGETABLES IN SEASON
2412 S. Escondido Blvd., Escondido 745-8951

★ RAIN GUTTERS

THE
RAIN GUTTER
SPECIALIST
Give your home that finished "picture frame look"
while protecting it at the same time!
Estimates freely given.
ED GRAHAM
"The Rain Gutter Specialist"
434-1857
4540 Trieste Drive Carlsbad
State Contractors License #214082

★ REAL ESTATE


ART LEITCH, REALTOR
7827 Ivanhoe, La Jolla 459-3833
Complete Real Estate Service
Escrow • Mortgage • Insurance
Open Monday through Saturday

REUTER REALTY 753-0101
1354 North Highway 101, Leucadia
27818 Valley Center Rd., Valley Center 749-0347
Complete Real Estate Service for North County

★ REMODELING CONTRACTOR

Your best investment — property! Keep values
high. For quality remodeling — additions — new
kitchens — patios, call Sherm Williams at
727-1713 days or 727-7539 evenings.
SANDALWOOD ENTERPRISES
A reliable general contractor.
18 Years in North County
State Lic. #192212

★ RESTAURANTS


Where Connoisseurs Conven
Until 2:00 a.m.
CARNEGIE A-440 PIZZA HALL
755-6778
2212 Carmel Valley Rd. Del Mar

★ RIDING APPAREL ENGLISH/WESTERN

WESTERN TACK & TOGS
Western apparel for everyone.
Hats, jewelry, famous brand leather goods, feed
and veterinarian supplies. Men's casual wear.
129 Midland Rd., Old Poway 748-0360

★ ROOFING

ROOFING OF EVERY TYPE
Wood Shingle — Shake — Composition
Tile — Bermuda Insulated Roofs
— REPAIRS —
WITHEROW ROOFING CO. - 297-4701

★ RUBBISH COLLECTION

RANCHO SANTA FE DISPOSAL
Trash Pick-Up
Plastic bags on convenient rolls available.
Also Construction Site Preparation
and Clean-Up
753-4157 or 753-7378

★ SPAS

THE HOT TUB GALLERY
Fine redwood spas
3910 Hicock St., San Diego, Ca. 92110
714-296-1717

★ STOCKS & BONDS

BATEMAN EICHLER, HILL RICHARDS, INC.
Member New York Stock Exchange
Dunae McBride
12405 Rancho Bernardo Rd. 487-4140

BLYTH EASTMAN DILLON & CO., INC.
Member New York Stock Exchange, Inc.
387 North Escondido Boulevard
Escondido, California 92025
745-3300

★ TRAVEL

CARRIAGE TRAVEL BUREAU
Complete Travel Services
Air Lines • Amtrak • Tours • Cruises
Hotel Reservations • Car Rental - Etc.
Carriage Center 748-8511
12845 Poway Rd., Poway 566-9040

CHOICE TRAVEL SERVICE
Complete Travel Service
Airlines • Cruises • Tours
Encinitas: 149 D St., 753-6211
Solana Beach: 927 Lomas Santa Fe
755-0218

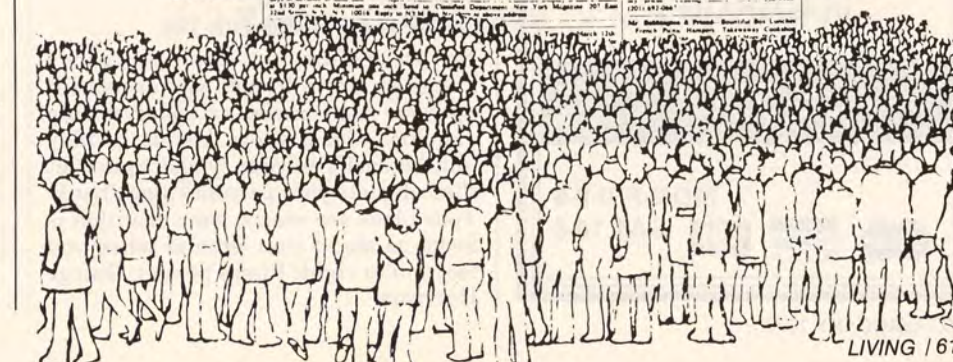
RANCHO SANTA FE TRAVEL SERVICE
A Personalized Service for the
Discriminating Traveler
Business & Pleasure
Paseo Delicias 756-3005
Rancho Santa Fe S.D. Toll Free 298-8600

★ TV RADIO SALES & SERVICE

POWAY TV
Sales & Service
12549 Poway Road 278-0400

ZENITH **SYLVANIA**
748-6000

FOR A LITTLE MONEY
YOU CAN REACH A LOT OF PEOPLE
Shops & Services Directory
CALL 453-0340 or 756-2415 FOR INFORMATION!



Sale

on all
MAJOR BRANDS

- CARPETING
- CUSTOM DRAPES
- WALLPAPER
- CERAMIC TILE
- WOVEN WOODS
- LEVOLOR BLINDS
- PARQUET FLOORS
- FURNITURE
- VINYL FLOORING

WHOLESALE PRICES

Complete Interior Decorating Services by our Trained Professionals at NO charge to You!

NORTH COUNTY CARPET

2959 MANCHESTER
at Interstate 5
in CARDIFF

CALL **436-5552** FREE ESTIMATE

MON-FRI 9-6
SAT 10-5



ASTROLOGY FORECAST

by Jean Farman



CAPRICORN (December 21-January 20)

Grin and be grateful. Throw kisses to the angels for the luck of being born a Capricorn. Many of your sign are given a rare opportunity to toss out the tired remnants of the past, make a clean sweep and begin brand new. If January is a hint of what's to come then 1977 should be a super-duper year! Those born around January 11th should find this especially true. Just don't attempt to fly solo as friends can play a big part in your personal stagemore. All you have to do is say the word. Capricorn VIPs: Ray Milland, Tony Martin, Jane Wyman.

AQUARIUS (January 21-February 18)

Wake up Aquarius or you'll be left sitting on well-padded laurels holding an empty bag while others run away with the goodies. Don't hesitate to explore every new opening that comes into view. Take advantage of opportunity or it will slip right by. Family members make you giggle with glee! An old friend reappears. Aquarian talent: Forrest Tucker.



PISCES (February 19-March 20)

No post-holiday let-down for perky Pisces as active friends and events fill up your busy social calendar during January. Don't allow friends to play unnecessarily on your sympathy nor let them deplete your personal piggy bank. Your ideas are sound, your intuition is keen, so stand your ground when you feel you're right! Pisces person: George Harrison.

ARIES (March 21-April 20)

Accelerated Aries find involvement with matters of a community or ambitious nature highly activated. Opportunities are abundant, however, prepare for possible chaos with communications, details, paper work, etc., until the 18th. Don't make waves with your family. They expect a lot from you but also give enormous support as long as they don't feel neglected. Aries talent: Oleg Cassini.

TAURUS (April 21-May 21)

Usually stable and predictable, Taurus could break the bonds of boredom and surprise those who think they know them best. Some Taurus people begin the New Year out of state or perhaps in a foreign country, while others begin a brand new and exciting mental adventure. New friends bounce in to make your life happier! Taurus star: Cloris Leachman.

GEMINI (May 22-June 21)

Gather those nuts while you can! Keep an eagle eye on all joint finances, tax and insurance matters. Cut all personal and business expenses to the bone and stop any cash leaks. Then if a financial squeeze comes full force you've alleviated some of the painful pinch. To take love for granted is foolish. Gemini gent: Michael Christian.



CANCER (June 22-July 22)

Who is living in your house? Better take a head count but don't be surprised if familiar faces are missing and unfamiliar ones have suddenly appeared. Loved ones are changing and perhaps wear different faces. Re-establish family values, they are more important than ever. Avoid confrontation by really getting to know those you care about. Moon Child: Genevieve Bujold.

LEO (July 23-August 22)

Oh pain! Even though you would much rather be out among the friendly crowd kicking up your heels, having fun and playing games, you're stuck in the muck of routine work. Don't trust anything to Lady Luck. Hard work (even though it may be a bore) truly pays off in the long run this month. Leo lady: Connie Stevens.

VIRGO (August 23-September 23)

Versatile Virgos are busy this month with nerve racking things that make them jitter with excitement and may even stimulate those nerve endings to the point of making their skin itch! As logical and sensible as you would like the world to be, emotions seem to have their way of playing havoc with your system! Virgo celeb: Raquel Welch.



LIBRA (September 24-October 23)

Beauty-loving Libras having redeccoring whims may find more in decor than anticipated. Someone you thought was just a very good friend could turn out to be so much more. Don't allow emotional upsets in family affairs to undermine health. If you make friends with loved ones, no matter what the sacrifice, reward is in the wings. Libra VIP: Dr. Joyce Brothers.

SCORPIO (October 24-November 22)

The trend toward mixed-up communications this month could mean serious misunderstandings, so listen carefully. What you consider silly disputes may suck you in as referee—be smart and keep silent. Since you may feel an overwhelming surge of emotion toward those you love this month, be honest and let them know how you feel. Scorpio talent: Mike Nichols.

SAGITTARIUS (November 23-December 20)

If you want your pockets to jingle with joy, just remember financial luck can be yours but you must be alert to take advantage. Use caution with anything you sign and a magnifying glass when reading fine print. Don't be surprised if a very good friend does an about-face in his regard for you. Sagittarius writer: Dalton Trumbo.

ANNOUNCING! ESCONDIDO. THE CAR CAPITAL.



Where car buying is
still an adventure.

Remember when buying a car used to be an exciting adventure. It still is in Esccondido—The Car Capital of North County. At the car capital you'll find 12 dealers all together in one place. That means a tremendous selection. Over 200 makes and models, new and used cars, foreign and domestic. More than a thousand cars are within easy distance of each other. Look around and compare. You'll have all the time in the world because we won't rush you. Sure, we'll be around if you'd like to check prices or ask questions. But we believe in letting you do the looking. That's why we're all here. To give you the best selection possible at the best price too! With all these cars to choose from you're bound to find the one that's right for you. Come to Esccondido and have a great adventure because it's the right place to buy your next car.



ESCONDIDO.
THE CAR CAPITAL OF NORTH COUNTY.

Crest Motors 855 No Broadway 746-1166	Escondido A.M.C. 760 W Mission 747-4806	Escondido Datsun 728 No Escondido Blvd 746-5050	Escondido Dodge 750 No Escondido Blvd 746-3411	Escondido Lincoln-Mercury 328 So Escondido Blvd 745-4951	Garton Motors 900 W Mission Road 745-9400
Heller Ford 400 W Grand Ave 745-3361	Murray Buick-Oldsmobile 550 No Broadway 745-6841	Palomar Motors 230 E Valley Parkway 745-4820	Powell Motors 332 So Escondido Blvd 745-1755	Quality Chevrolet 208 No Broadway 745-7221	Reynolds Toyota 999 No Broadway 746-0601



Clotfelter Rancho Santa Fe

REAL ESTATE & INSURANCE

R. M. CLOTFELTER
TOM CLOTFELTER
LARRY TILTON
JOHN HOWE

756-2422

The Ranch's Oldest
Since 1931

POST OFFICE BOX 444
RANCHO SANTA FE, CA
92067

having trouble
getting it together?



Equestrian Training
for Hunters & Jumpers

LESLEE BAREN

Located at
RANCHO CARLSBAD
EQUESTRIAN CENTER

2820 Sunny Creek Road
Carlsbad, California
(Just off El Camino Real)

DAY:
729-7221

EVE: 729-9039

Recombinant DNA research raises serious questions as to moral, ethical and philosophical bounds beyond which we should not step.

E. coli strain occurring is likewise increased. Both Abelson and Helinski stress that the EK1 strain does not effectively colonize in the human intestines and therefore genetic exchange between EK1 and wild strains of E. coli is unlikely. Helinski further says that no one has ever "constructed a pathogenic bacterium E. coli K12 (laboratory) strain by genetic techniques." He feels Chargaff's scenario is purely conjecture.

A scenario involving EK2 and EK3 E. coli can also be imagined. An enfeebled E. coli could enter a technician and die as expected. However, a wild strain could absorb a segment of experimental DNA, that if incorporated onto its own DNA would make it a pathogenic organism. Abelson dismisses such a possibility: "We eat lots of DNA every day from all sorts of sources and our E. coli don't become pathogenic." According to Helinski, the NIH Recombinant DNA environmental Report considered that scenario. It is based upon four assumptions: 1) the DNA is not destroyed upon death of the organism, 2) the human digestive system does not destroy the DNA, 3) the DNA is absorbed by another organism, and 4) the incorporated DNA segment can turn the organism pathogenic. Each single event is unlikely, says Helinski, making the entire scenario extremely difficult to imagine.

Dr. Robert Sinsheimer, California Institute of Technology, is the scientist closest to San Diego speaking out against RecDNA research as regulated by the NIH guidelines. He wants all moderate and high risk research conducted in a limited number of laboratories in the United States. He feels recombining eukaryotic (higher, complex organism) DNA with prokaryotic (lower, simple organism) DNA is unwise. To summarize his argument (*Science* 192:236): Mixing DNA from two different species that don't naturally exchange DNA creates novel organisms whose properties are unpredictable. Furthermore, cloning DNA from eukaryotic into prokaryotic organisms could give the prokaryote the ability to understand the genetic control mechanisms of eukaryotes, which could be dangerous.

For example, a virus that could previously infect only prokaryotes might acquire the ability to infect eukaryotes.

According to Firtel, viruses are highly specific about the hosts they can infect. A large number of changes would be required to make a virus capable of infecting an organism it could not previously infect. The occurrence of so many changes is difficult to imagine. "Sinsheimer's fears of the dangers," says Firtel, "are overestimated."

The possibility of giving prokaryotic organisms the ability to understand eukaryotic genetic control mechanisms, says Abelson, is unlikely. Furthermore, the eukaryotic genetic machinery is so different from prokaryotic machinery that interchanging operations is almost inconceivable. E. coli can't perform anymore of eukaryotic genetic process than making copies of eukaryotic DNA. Of all the experimental E. coli Abelson's group has made, all appear to be less able to survive, not more.

Melvin Simon was not so kind. "Sinsheimer's an elitist. He thinks it's wonderful for him to do these experiments. He just wants the research done at Cal Tech and no place else. He thinks it's very dangerous for other people to do, but not for him. I wonder why?"

Some groups question the morality of conducting such basic research, objecting to man's creating new life forms or man's taking the initiative to alter evolution. Simon says, "The major objection to it (RecDNA research) is philosophical. We've messed with everything else, why don't we just leave our genetic bank alone and not mess with it? That's about the only rational argument I can see." However, Simon doesn't subscribe to the objection of RecDNA research and feels the potential for biohazards from RecDNA research is small.

Each institution conducting RecDNA research is required to establish a local biohazards committee.

TAMPERING WITH EVOLUTION

According to Grobstein, evolutionary tampering by man is not new with RecDNA. Man breeds animals for specific characteristics and changes the ecology of an area every time he develops it. "If there was something to worry about, then it's long past time." He feels morality is an interesting question that poses some severe value conflicts. "My particular value judgments do not lead me to view it (RecDNA research) with great alarm. We can handle it at least as well as we've handled some other things in the past, which hasn't always been perfect, but here we are. My personal view is that it's a challenge."

Some people want the guidelines made federal law or have alternate legislation passed to regulate RecDNA research. Senator Edward Kennedy is considering such action. To Firtel, "The NIH guidelines are essentially federal regulation and should be adhered to." He sees two consequences of making the guidelines federal law. All RecDNA research would then be regulated and those investigators who didn't follow the regulations could face prosecution. "If RecDNA research has to be regulated outside of scientists' hands to make the public feel that scientists are not being self-serving, then maybe a federal law would be a reasonable possibility." Firtel adds further restriction should be applied logically so that the benefits can still be realized.

Grobstein feels the present guidelines have advantages over federal regulations. Guidelines can be changed quickly, if needed, whereas federal legislation is inflexible. In response to the criticism that non-NIH funded research is not bound by the guidelines (the penalty for not following the guidelines is failure to receive NIH funding), Grobstein answered, "This is a problem that still needs solution." Pharmaceuticals and other private research institutions are under pressure to adopt guidelines similar to the NIH's.

What further action should be taken at this time? Helinski stresses that RecDNA research regulation is not solely a local question. If a dangerous organism should escape, national boundaries will be meaningless. "What is needed is an international agreement similar to the NIH guidelines and that is where the main emphasis with respect to public input should be at this time."

Grobstein feels that, though research can safely proceed under the NIH guidelines, broader public involvement is needed on the questions of value judgment priorities, evaluation of the danger-benefit balance and determination of what risk will be tolerated.

DON SHARP Proudly announces the opening of his new ★R.V. CENTER SALES—RENTALS★



Featuring:

Titan 20'-31' Solid State
Motorhomes

Titan 17'-22' Mini Motorhomes

Harvest 23' Tandem Wheel Mini Motorhomes

Harvest 19'-20' Mini Motorhomes

Spirit & Westphalia Campers

"20 Years of Service to the North Coast Area"

DON SHARP AUDI
MOTOR IMPORTS, INC.

Car Country, Carlsbad 434-1771

5500 PLAZA DEL NORTE

DAY & EVENING

Sewing Classes Of All Kinds

Sewing Skills
Garment Making
Basic Pattern Fitting
Teen Classes
Pants Pattern Making
and Pants Construction
Machine Embroidery
Menswear Repair & Alteration

OTHER CLASSES AS REQUESTED

Creative Stitchery

Applique

Lingerie

Quilting

Toymaking

Men's Classes



Machines Available For All Students

CLASSES RESTRICTED TO 6 OR 8 STUDENTS

OPEN HOUSE: TUESDAY, JANUARY 18th 9 a.m. to 6 p.m.

Sign up for classes through January 22

Lois Knox
THE CLASS ESTABLISHMENT
164-A West Mission Avenue
ESCONDIDO 743-2387

Moving? Let us know... before you go.

Attach your address label from current issue here.

NEW ADDRESS: _____
Name _____
Address _____
City, State _____ Zip _____

NEW or RENEWAL SUBSCRIPTION 1 YR. \$10.
Check here to enter or extend your subscription

To be sure you don't miss any copies, please notify us eight weeks before you move. For fastest service, attach your current address label from the magazine cover. Then fill in your new address below and mail to: LIVING Box Q/Rancho Santa Fe, CA 92067.

The Gift of Time



HOUSE OF PORTRAITS

Tony Francis
1430 Camino del Mar
Del Mar, California
Call for an appointment
755-9399

"This whole matter needs to be looked at in the broadest possible perspective and that has not been done in preparing the NIH guidelines." A Presidential-Legislative Commission might be the proper forum for the necessary discussion. "I don't know what the best mechanism is, but I'm quite convinced that we need something of that sort," Grobstein asserts.

The NIH guidelines state: "Public awareness and understanding of this line of investigation (RecDNA research) is vital." An organization called Citizens for Safe Research (CSR) was formed late last November to raise the level of public awareness and involvement in RecDNA research. In the UCSD Undergraduate Humanities Library, they have started a collection of RecDNA related reading materials located in the pamphlets file under the heading "Genetic Recombination." They have also prepared a bibliography of suggested reading material about RecDNA. A copy of it can be obtained by writing to:

Citizens for Safe Research
650 Rimini Road
Del Mar, CA 92014

Recombinant DNA research, like so many other scientific endeavors, raises serious questions as to the moral, ethical and philosophical bounds beyond which we should not step and, further, who should decide what those bounds are. This issue demands your consideration. If parts of this article concern you, contact members of the Biohazards Committee, the Citizens for Safe Research, the NIH or the Environmental Quality Division Planning Department of San Diego. You can find addresses and phone numbers for each of these groups in this article.

CHANCELLOR'S SPECIAL BIOHAZARDS COMMITTEE (CSBC)

John N. Abelson, Ph.D.
Associate Professor of Chemistry
UCSD—(B-017)
Ext. 4297

Andrew A. Benson, Ph.D.
Professor of Marine Biology, Research
Division
UCSD Scripps Institution of
Oceanography
(A-002)
Ext. 4300

John G. Davies, LL.B.
Attorney-at-Law
530 Broadway, Suite 610
San Diego, CA 92101
(714) 233-7437

Charles E. Davis, M.D.
Associate Professor of Pathology in
Residence

Associate Director, Microbiology
Laboratory
University Hospital—(88112)
Ext. 6156

John D. Faulkner, Ph.D.
Associate Professor of Marine
Chemistry
Ocean Research Division
UCSD Scripps Institution of
Oceanography
(A-012)
Ext. 4259

Clifford Grobstein, Ph.D.
Professor of Biology
Vice Chancellor, University Relations
UCSD—(Q-005)
Ext. 3138

Lee W. Henderson, M.D.
Professor of Medicine in Residence
Associate Chief of Staff for Research
VA Hospital—(V-111)
La Jolla, CA 92037
Ext. 3657

John J. Holland, Ph.D.
Professor of Biology
UCSD—(C-016)
Ext. 2520

Mike Madigan
Assistant to the Mayor for Programs
and Policy
City Administration Building
San Diego, CA 92101
(714) 236-6330

Mrs. Margaret McCarthy
Health Science Advisor
Career Planning & Placement Office
UCSD—(B-031)
Ext. 3750

Michael Oxman, M.D.
Professor of Medicine and Pathology in
Residence
VA Hospital—(V-111F)
La Jolla, CA 92037
Ext. 3903

James A. Robb, M.D.
Associate Professor of Pathology
UCSD School of Medicine—(M-012)
Ext. 4325

Harold J. Simon, M.D., Ph.D.
Professor of Community Medicine
Associate Dean for Education and
Student Affairs
UCSD School of Medicine—(M-006)
Ext. 3700

Melvin I. Simon, Ph.D.
Professor of Biology
UCSD—(B-022)
Ext. 3264

To address mail to committee members at UCSD, include the code following the UCSD designation plus La Jolla, CA 92093. ■

*Stephen Leeper graduated from the University of California-San Diego with a degree in chemistry. He is currently a nuclear medicine research technician at the Veterans Administration Hospital in La Jolla.



Electricity costs more when everyone uses it at once.

This time of year, more people use more electricity between 4 p.m. and 9 p.m. than during any other time of day. A lot more. SDG&E calls it the "peak demand" period and it's important because it can affect your electric bill.

The peak peaks because everyone in the family seems to find more ways to use electricity around dinnertime. The peak costs money because SDG&E must be prepared to meet everyone's needs at

once. Usually, this means using less efficient generating facilities.

SDG&E wants you to know about some of the things we will be doing to level off peak demand. Because these efforts can help to hold down your future electric bills.

Right now, SDG&E is working with very large commercial and industrial electricity users, trying to help them shift some of their uses to less busy times of the

day or night. Since business, industry and government account for about two-thirds of SDG&E's total electric demand, this could be a big help.

However, most of the demand between 4 p.m. and 9 p.m. comes from residential users. Like you. For this reason, SDG&E will soon begin asking you to help level electricity peaks too.

You can help by doing things that require electricity

at times other than around dinnertime. Things like washing and drying clothes, running the dishwasher, baking and ironing. And be especially sensitive to unnecessary lights and unwatched TV sets.

Holding down peak demand can do a lot to hold down electricity costs. SDG&E will be telling you more about how to do it in the months ahead.

SAN DIEGO GAS & ELECTRIC COMPANY



2026,008,054

You're in Home Federal Country