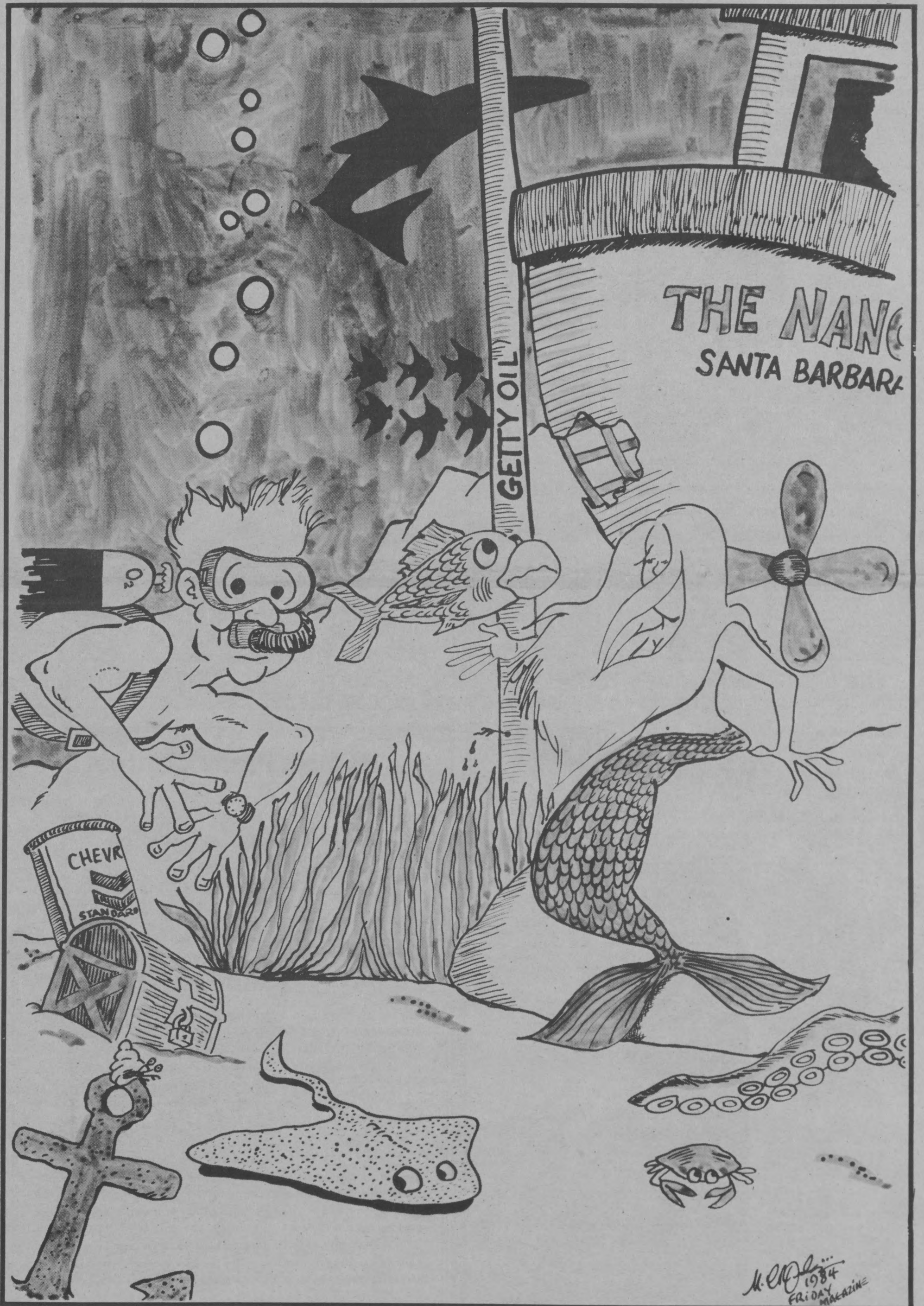


FRIDAY *magazine*



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Groups Move Toward Saving Ocean, Sealife

By GWEN LACY

“Where we are with our oceans right now is equivalent to where we were with our wilderness one hundred and fifty years ago,” Dr. Charles Woodhouse, Assistant Director of the Santa Barbara Museum of Natural History said, referring to the exploration and develop-

ment of our seas today.

As our resources on land come closer and closer to exhaustion, we are looking toward the sea to meet the needs of our ever-growing society. In a sense, the sea is our new frontier.

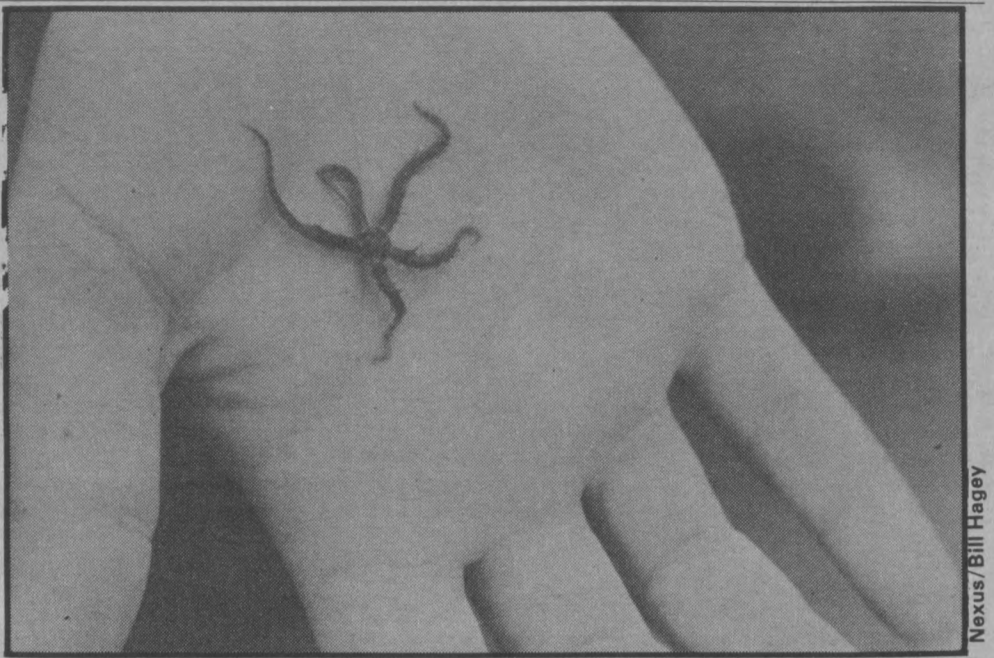
Woodhouse stressed the concept of a multiple-use theory, with utilitarian and recreational use kept

balanced. He believes that, when considering the fishing industry, the military, public recreation and mineral and resource development, there can be no value judgements. All of these have a share in the sea and we must make way for their interests, but precautions must be taken to protect the sea and its living environment.

Although there is not one specific group or organization advocating sea preservation, there are a number of smaller groups which have arisen in the last decade, showing increasing concern about protecting our seas.

In addition, the reappointment of the Channel Islands from a monument (established in 1938 by President Roosevelt) to a National Park in 1980 with full government funding and managerial support, is seen as a statement of the public's interest in strengthening and protecting the marine environment.

The escalation of oil development in the Santa Barbara area has given way to organizations stressing the need for safe and efficient management. Get Oil Out, or GOO, which was founded in 1969 directly after the big oil spill, has been serving as a watchdog,



Nexus/Bill Hagey

monitoring oil companies for the past 14 years. Ellen Sidenberger, executive director of GOO, emphasized the need for good planning on the part of the oil com-

“Oil development is a full time issue, we are trying to limit the number of developers going into the channel now, but it is very frustrating; kind of like

record, but figures indicate that in a calm, closed harbor the clean up rate is 50 percent; in a calm open sea it is possible to recover 25 percent; therefore in a normal open sea — one in which there is a lot of wave movement and sea activity — it is probably not possible to fully contain a spill.

Woodhouse stated that since the great spill — or blowout — of 1969 there has been a move for better communication and care on both sides when looking at oil development. By law, every time a company wishes to drill there must be an environmental impact statement drawn up to analyze and evaluate the impact a proposed site will (Please turn to pg.8, col.1)

“Oil development is a full time issue...it is very frustrating; kind of like beating your head against a stone wall.”

panies to ensure that “any development is done safely and efficiently, with as little environmental damage as possible.”

GOO has 1,000 members across the United States with the greatest concentration here in the Santa Barbara area.

beating your head against a stone wall,” Sideberger said. Another organization, Clean Seas, works directly with the oil companies as a backup in emergencies. They authorize the clean-up of any spills that occur in the Santa Barbara area. So far they have a good track

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Poetry, Prose Contest

The Daily Nexus FRIDAY magazine is now accepting UCSB student submissions of short poetry (one page limit per piece) and short fiction prose (five page limit per piece) for an upcoming issue. If you have always liked to dabble in writing — or are just beginning to — then consider entering your original work written while at UCSB. A panel of campus judges will determine the “best” piece, and those winners will have their work printed in the FRIDAY magazine. Watch for further details as a deadline for submissions will be announced next week. EACH submission for competition must be double space typed, with the author's name printed AND signed, and a telephone number.

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 A conference sponsored by the Peace Resource Center of Santa Barbara and Associated Students Program Board with a grant from the Fund for Santa Barbara
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10 AM “MILITARY SPENDING AND THE ECONOMY: CALIFORNIA AND THE NATION” Lloyd I. Dumas Professor, Political Economy, University of Texas; author, “Reversing Economic Decay: The Political Economy of Arms Reduction”	11:30 AM “EFFECTS OF MILITARY EXPENDITURES ON THE HOME FRONT” Robb Hodges-Betts American Friends Service Committee Staff for peace education and social justice	1 PM Lunch break 2 PM “A HIGH-TECH MILITARY COMPANY TURNS CIVILIAN: A CASE STUDY” Theodore Williams President, Bell Industries	3 PM “REBUILDING AMERICA: TRANSITION TO A PEACEFUL ECONOMY” Michael Closson Director, Mid Peninsula Conversion Project
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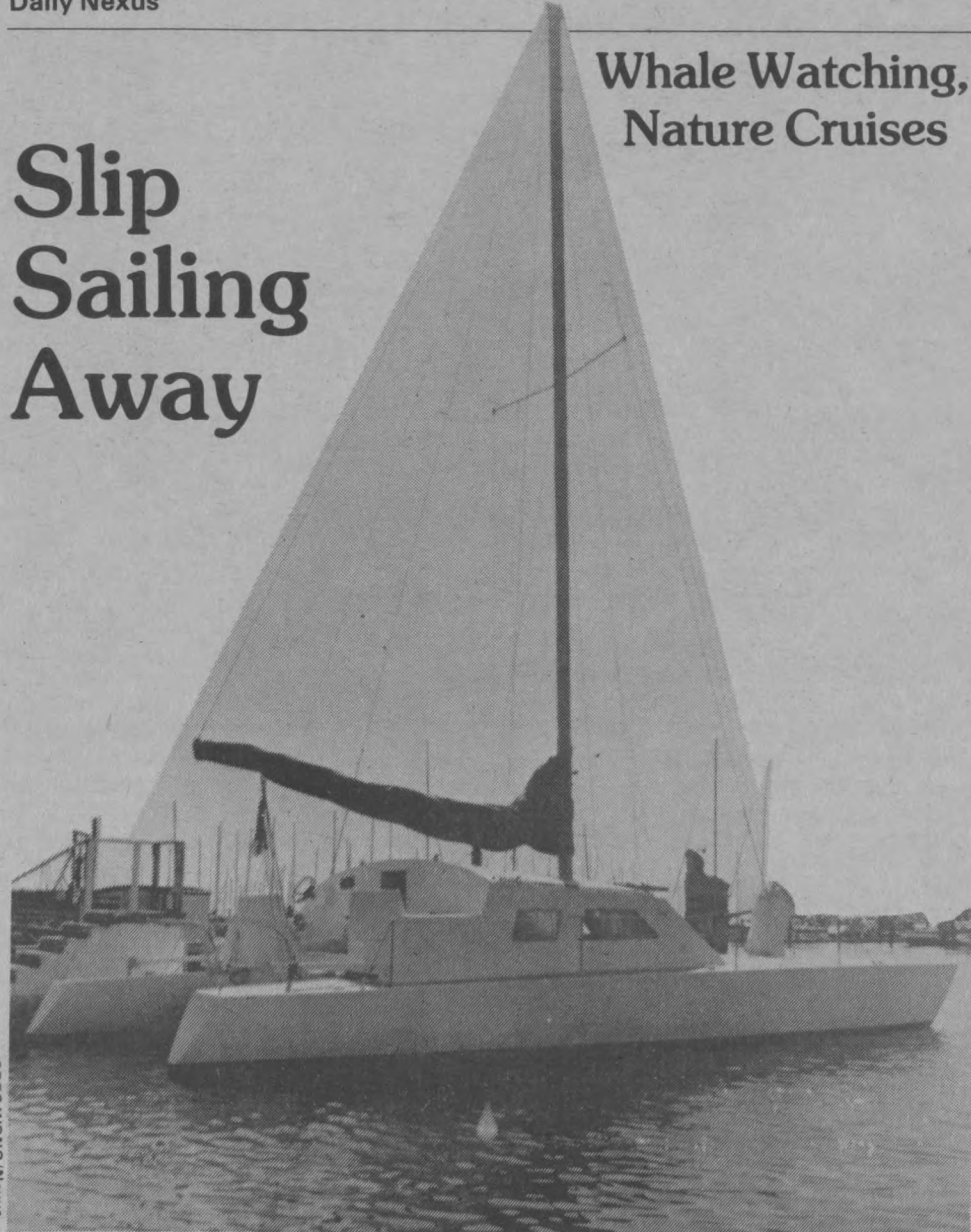
Undergraduate Research

Undergraduates doing original research and writing projects are invited to submit papers for possible publication in **DISCOVERY - UCSB Journal of Undergraduate Research**. Interested students should come to the editorial office in Girvetz Hall 2326 to obtain the basic information and guidelines concerning publication and to leave information about themselves and their work.

Papers should be analytical, involving critical reasoning. Examples of publishable work are research papers in the natural and social sciences and critical essays in the arts and humanities. Creative or impressionistic writing will generally not qualify, as such work has an outlet in **SPECTRUM**, nor will work which is basically just a review of a subject. The deadline for submission of camera-ready manuscripts is June 15. Students intending to submit a paper but needing more time may be allowed to submit after this date provided they make their intentions known early to the editorial office.

Slip Sailing Away

Whale Watching, Nature Cruises



GREG WONG/Nexus

By DAN SHANAHAN
 Located 300 yards west of The Wharf in Santa Barbara lies the boating company, Sea Landing, which operates four seagoing vessels for fishing, scuba diving, sea parties and whale watching trips. Sea Landing also takes bookings for a privately owned 37-foot catamaran which sails to the Channel Islands for overnight ventures.

The California Gray Whale is migrating north to its feeding grounds in the Bering Sea near Alaska. They travel close enough to the beaches to be seen from shore. Sea Landing travels on their 88-foot ocean cruiser, The Condor, as close to the whales as possible.

Merrit McCrae, the captain of the vessel, said, "We look for a spout or back or a whale and then tactfully approach it as to not frighten him. Once we get as close to the whale as we can, we cruise beside it so the passengers can see it at a short distance and take pictures."

Measuring up to 45 feet in length and weighing up to 45 tons, the gray whale is a gentle animal that will sometimes approach quite

close to the boat. The initial sighting is important — it appears as a puff of "steam" standing up to 12 feet off the water. Where one blow is seen, there will probably be others since whales tend to travel in groups of two to six.

When traveling, an individual whale will usually make three to four shallow dives of 10 to 20 seconds duration before making a deeper, more prolonged dive of three to five minutes. When making this deep dive, the tail flukes are usually visible in a pattern distinctive to the gray whale.

Sea Landing's manager, Dave Kamens, said, "There is a 98 percent chance of seeing a whale on Sea Landing's whale watch cruises. If a particular cruise does not see any whales, the passenger receives a 'whale check,' which is a free pass on another one of Sea Landing's whale watch cruises."

While I sailed with Sea Landing, three or four whales swimming in a tight group were spotted. We saw the spouts of the whales when we were about 100 yards away. Captain McCrae approached the whales

and sailed alongside them for about an hour. The closest we got to the whales was about 25 or 30 yards because, as we approached the whales, they would move away. Dave Kamens added, "Sometimes you can get literally right next to a whale or sometimes they will keep a comfortable distance between themselves and the boat. It's their ocean and we let them decide how close we get."

One of two boats that works through Sea Landing is a 37-foot catamaran called Slingshot, captained by Jim Tompkins. This well-equipped catamaran is not the typical sail and two hulls connected with canvas. The Slingshot comfortably accommodates six passengers and has a galley, bathroom, cabin (Please turn to pg.8, col.1)

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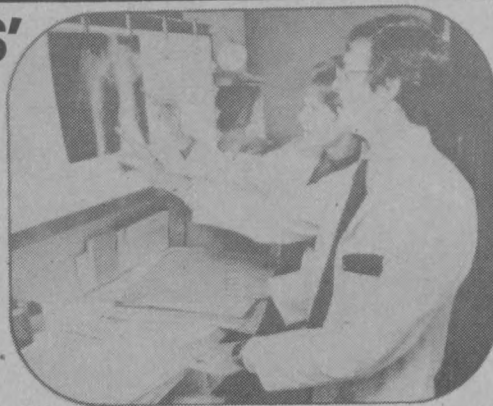
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Diving



Swimming through kelp beds. Senorita fish is in foreground.



Diver kicking out to dive spot.



Cindy Vincent exploring reefs off Anacapa Island.



Matt Guilfoyle (left) and Peter Clayton check decompression tables between dives.



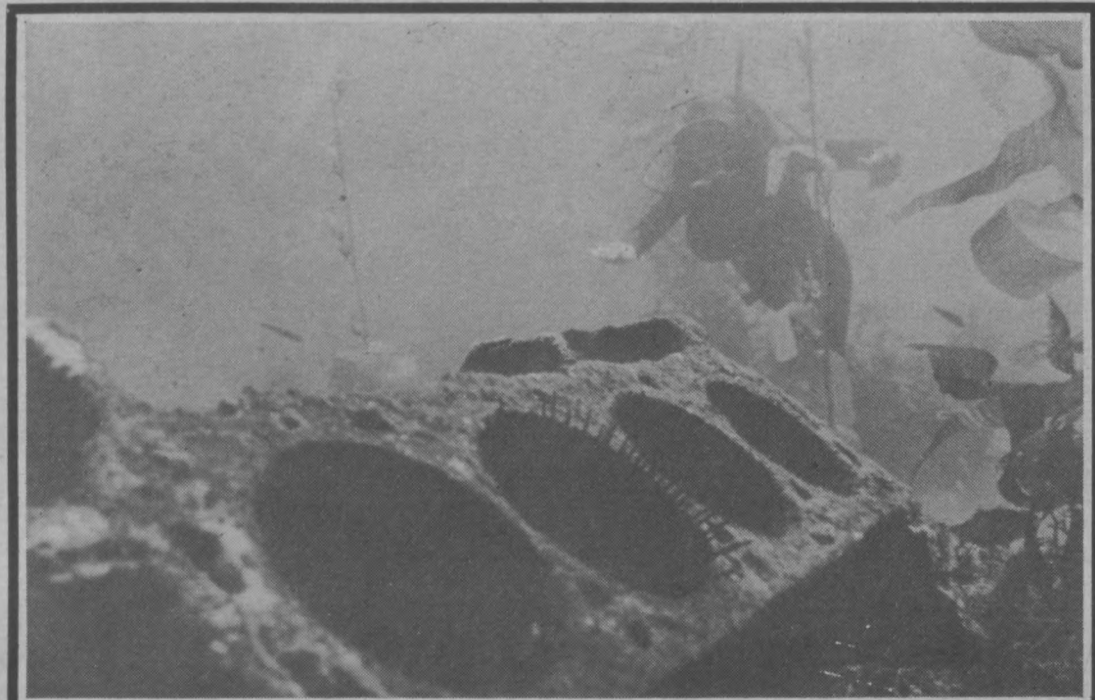
*Photos
by
Bill Hagey*



Cindy Vincent looking over sea fan.



Looking up through the kelp plants at depth of 40 feet.



A sunken engine block makes a home for a sea urchin.



Alice Alldredge

"The open sea is still not polluted, although we could pollute it, but I think we'll do something to stop that. For our country, at least, things look pretty good."

Aquatic Biology: No Watery Study

By STEVE GEVER
Why does one major in aquatic biology at UCSB? Some are drawn to it by their interest in scuba diving. Others are enamoured of Jacques Cousteau. But my favorite reply to this question is, "I like water", which was contributed by graduate student Tom Dudley.

Although Dudley's outlook may appear a bit less exciting than the Cousteau contingent, it is certainly more practical, for there is much more to oceanography than diving. "Very little of marine biology is diving... diving is a tool," says Bob Holmes, a professor in the Aquatic Biology Department. "Many in the major are disap-

pointed (when they learn this). It comes as a shock." Holmes, who in 1969 left the Scripps Institute in San Diego to teach here, was one of the organizers of the Aquatic Biology Department at UCSB. The department evolved in the early '70s as a response to a noticeable interest in oceanography and limnology (freshwater oceanography). The department consists of a graduate and an undergraduate school. Because the similarity between marine and freshwater biology is great, the curriculum is able to cover both. Holmes believes that UCSB may be the only university in the country which provides this diversity. Scott Cooper, one of two faculty members who specialize in freshwater biology, points out that the location of UCSB is ideal for both varieties of aquatic biology: the campus is on the ocean with nearby reservoirs, ponds, and Zaca Lake — the only natural lake in the county.

Biology 145, a three-quarter aquatic biology core course. 145A is taught in the fall, 145B is offered in the winter, and 145C in the spring. Each successive quarter of the series studies a higher trophic level. This quarter focuses on zooplankton and fishes. Holmes co-teaches this course with Associate Professor Alice Alldredge. Aside from this core course and a variety of electives, students do laboratory work designed to give them practical experience. For instance, chemical and physical changes in San Jose Creek are being studied. Students can also sail on a ship, learning to use standard oceanographic equipment.

"There was so much to learn about the ocean when I was a graduate student," says Alldredge. "And there still is. There are new discoveries everyday."

(Please turn to pg.7, col.1)

Alldredge Hits Mark For Marine Biology

By DEREK JOHNSON

One former marine biology major who has definitely "made it" is UCSB Associate Professor Alice Alldredge. A faculty member and Marine Science Institute researcher, she is well-known for her study of plankton, tiny animal and plant life-forms which are the basis of the food chain in the oceans.

Alldredge is currently involved in the study of "marine snow", organic particles which are suspended in seawater, drifting slowly toward the ocean floor in a constant rain. "There are entire communities living on these particles," she said. "They are miniature habitats which contain microbes, protozoans and algae which may be very important for the decomposition and recycling of food in the oceans." Marine snow also feeds "filter feeders" such as barnacles and worms, she added.

Alldredge, whose work has been published in *Scientific American* and other prestigious journals, was also one of the researchers working with the experimental Wasp vehicle last year in the Santa Barbara Channel. The Wasp, which is essentially a one-person submarine, allowed Alldredge and others to descend to the Channel's floor, a distance of about 1700 feet.

"I was born in Colorado, but I've always loved the sea," she said. After graduating from Carleton College in Minnesota, she came to U.C. Davis for her Ph.D. "My degree is

(Please turn to pg.7, col.1)

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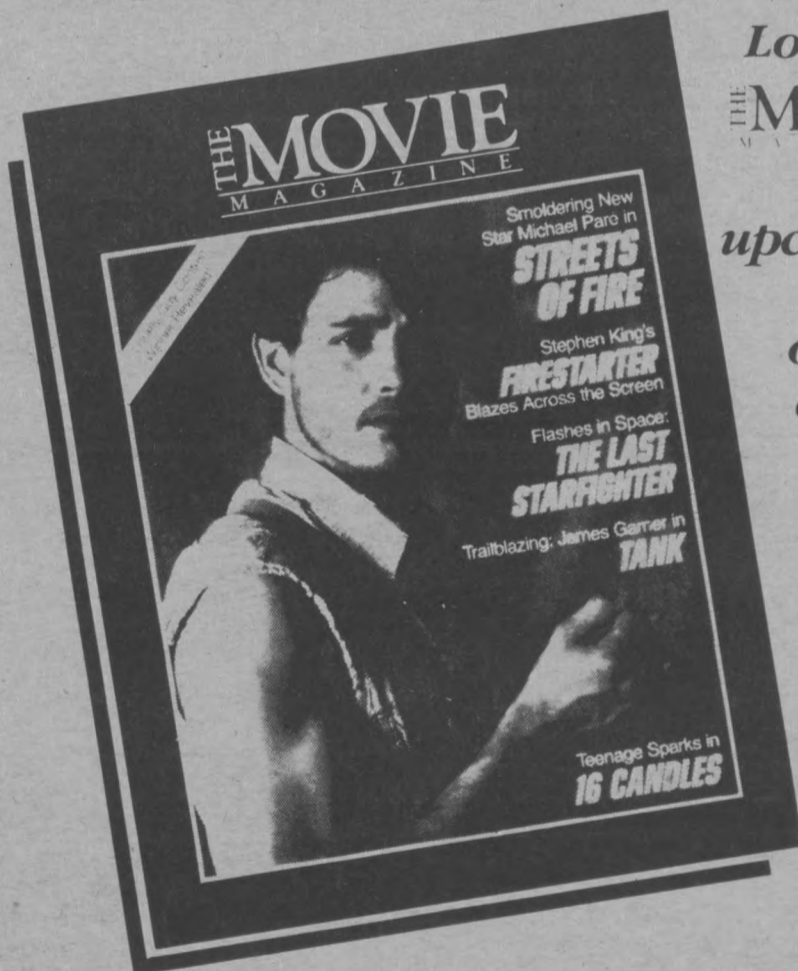
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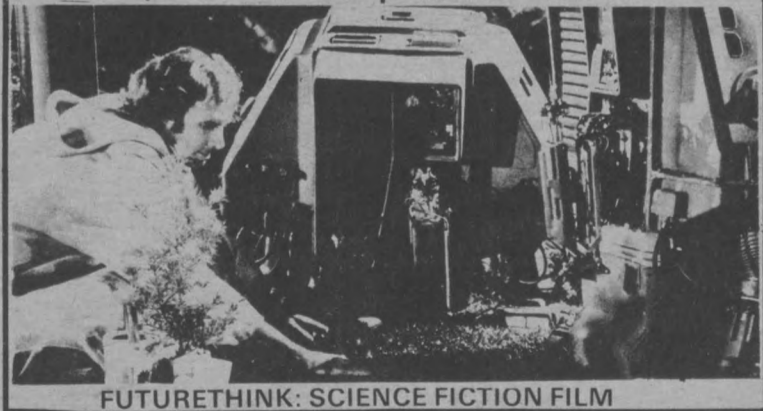
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FRIDAY Magazine dining out:

Go Fish!

Fishy Fish

For those of you who are looking for something new in seafood, you may want to try sushi — the newest rage in haute cuisine in Santa Barbara. Something's Fishy, located downtown Santa Barbara, offers a great variety of sushi that tastes as delicate as it looks. At Something's Fishy, one can try a number of these raw fish delicacies, while seated at the ever-popular sushi "bar". The sushi is prepared right in front of you, which allows you to watch the art of sushi making in action. For a low \$2.50 to \$3.00 (per type of sushi), you can sample exotic Hamachi, yellow tail strips rolled on a tender rice patty. Or try the Ame-Ebi, which is raw shrimp. For the more conventional palate, ask for Ebi, which is shrimp that is cooked. Complimented by hot saki and a bowl of Miso (a light soup), dining at Something's Fishy is an excellent way to experience delicious Japanese cuisine. The downfall? Guaranteed addiction!

—Anna Gottreich

John Dory

Cool breezes blow in from the Pacific, which gently lap at the pier upon which you sit, where you are about to feast upon fresh grilled swordfish. The scene is John Dory's, a cozy restaurant literally on the sea in downtown Santa Barbara. At John Dory's, you will have the chance to sample some of the freshest fish available in the Santa Barbara area, with at least six daily specials. You will not only enjoy the savory grilled delicacies of the sea at John Dory's, but do so in an open-air atmosphere, with either indoor or outdoor seating. The service is friendly and relaxed, and the specialties range from open-faced hot crab melts to thick fillets of swordfish. Both the dinner and the lunch menus are the same. Prices range from \$6.99 to \$11.99. For fresh seafood at its best, try John Dory's, one of the last of Santa Barbara's truly "local" restaurants.

—Anna Gottreich

Chart-Fish

The Chart House of Santa Barbara is part of a highly successful chain of restaurants dotting the south coast of California and extending as far as Hawaii. There is good reason for such success. At the Chart House, along with various steak and chicken entrees, one can enjoy a different fresh fish special every night. All meals are cooked to the customer's specifications, and with only the freshest seafood available. The grilled terriaki shark dinner is a Chart House speciality, as well as huge succulent lobster, accompanied by a choice filet mignon. Prices vary, starting at \$8.95 to about \$18 (dinner menu prices). The Chart House has a decidedly nautical atmosphere, with a warmth from a fireplace in the main bar, and friendly, Hawaiian-attired servers. The Chart House offers a unique experience in sea food dining in Santa Barbara.

—Anna Gottreich

Andria's Fish

Andria's Seafood Restaurant opened in a new spot last summer without a great deal of fanfare. Since then the popularity of the restaurant has grown through word of mouth. The restaurant, which is open for both lunch and dinner, gets referral and return business, because there are a lot of things right about the little brick building on lower State Street. This is no flop-your-fish-in-front-of-your-

face and don't-let-the-door-hit-you-in-the-ass sort of place. Customers have time to enjoy the cozy atmosphere of red brick walls, plants and warm wood trim while savoring the delicious entrees. The cooks have figured out ways to prepare fish besides simply broiled. Further, Andria's even has time to let customers sit and sip a bottle of wine without someone hovering to swoop down on the check. And, finally, you don't have to spend a fortune. Fish dishes run from \$9.95 for some of the daily catch specials to \$22.95 for abalone. Chicken and steak are \$7.95 and \$8.95 respectively.

—Andrea Woodward



Harbor Fish



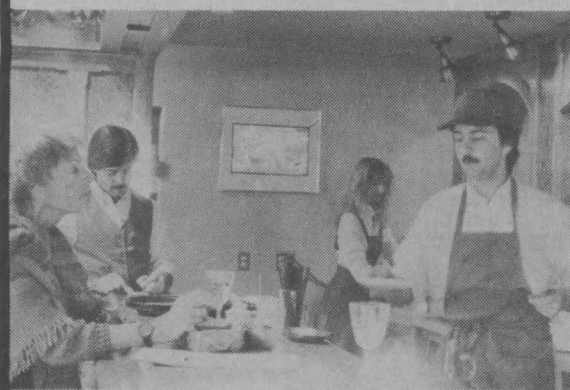
Who's John Dory?



Fishy Fish



Enterprising Fish



Andria's Fish



Crabby Fish



Chart-Fish



A Famous Whale

Seafood lovers are no doubt familiar with the locally owned and operated chain of Castagnola Brothers fish markets, but if you're tired of cooking, why not treat yourself to a meal at Castagnola's Lobster House? Just across the street from Stearn's Wharf, the Lobster House is a great

spot to stop for lunch on a leisurely Sunday afternoon — as long as you get there before the tourists. It's likely to be crowded anytime you visit, but the line, which often stretches outside, moves quickly. Service is cafeteria style

Lobster House Fish

with large painted plaques behind the counter displaying an array of seafood specialties and combinations ranging from mock turtle soup to boiled lobster with dipping butter. Fish and chips and other fried foods comprise the

less expensive dishes while broiled shark and swordfish head the bill. Beer and wine are available with all meals. At the front of the restaurant is a small retail counter where the catch of the day is proudly displayed for those who prefer to cook for themselves.

—Dennis Bell

Crabby Fish

Conveniently located at 7127 Hollister in University Village, the Crabby Lobster is perhaps the finest, and certainly the most accessible seafood restaurant in town for most UCSB students. The fixed menu consists of fried scallops, fish, calamari, and shrimp, assorted "sea burgers," and hearty seafood platters, but the thing to watch for is the chalkboard of specials which changes daily. Broiled Mahi Mahi, a

deliciously light fish from Hawaii, and fresh Angel Shark, a meatier, more filling fish, should not be overlooked. The white clam chowder is very good and a perfect way to warm-up on a crisp winter afternoon. Eat it outside on the fenced patio if you're so inclined, or sit at an inside table and watch the lobsters tango in their tanks. Prices range from \$1.60 to \$12.95 and most orders are available to go.

—Dennis Bell

Chamber Fish

With the increase in popularity of seafood, it is only natural that what was once considered a budget-stretcher should become high cuisine. Apparently in response to this trend, Au Chambertin, a French seafood restaurant, opened recently at 634 State Street. It's "pricey," but the white linen tablecloths, candles and unstuffy air make it the sort of place your parents should take you for lunch or dinner when they visit. The entrees, which include trout in champagne sauce and salmon in sorrel sauce (a light, blended spinach and butter sauce) are mostly fresh and gently-flavored so as not to overpower the flavor of the fish. The above entrees run from \$6.95 to \$13.95. The appetizers seem a bit steep at, for example, \$5.25 for four prawns sauteed in lime sauce. The wine list seems to be the only thing truly over-priced. Even an expensive restaurant should not charge \$20 for a \$6 bottle of California wine. The house white, a fairly dry French chablis, *Lepayrie*, seemed reasonably-priced at \$9.50 a bottle. These prices, of course, are not so high when compared with more cosmopolitan French restaurants, and, thankfully, Au Chambertin also lacks the stuffiness associated with big-city French restaurants. Unfortunately, the restaurant also lacks the expected punctilious service. Even with waitpeople who fumble serving the wine, Au Chambertin with its relaxed Santa Barbara elegance and delightful seafood menu, is a rare treat.

—Andrea Woodward

Quick Fish

Captain Quick's at 9 W. Victoria definitely has location in its favor. Located near the Arlington, Victoria Street Theater and the Granada, it's an ideal spot for a pre-film seafood snack. This little nautical cafe is open from 11:30 a.m. to 8:30 p.m., so, unfortunately, it's not open after *Jaws* gives you the munchies. On the plus side, however, is that only two items on the varied menu are over \$5. (Those two are the new specials — teriyaki chicken and silver salmon.) The menu includes clam chowder, seafood sandwiches, shrimp croissants, crab and shrimp tostadas and other seafood dishes. The clam chowder, rich and chunky, and the step-beyond-fast-food nautical decor gets three brass stars.

—Andrea Woodward

Harbor Fish

Stearn's Wharf fish dining includes the very California chic Harbor Restaurant and the very unambitious Moby Dick restaurant, just a couple doors apart but miles separate in quality. Both sport exquisite views, but the Harbor far out-distances its neighbor when it comes to preparation and service.

—Jon Alburger

Enterprising Fish

The Famous Enterprise Fish Company is definitely a good restaurant for a college town: big, roomy, noisy and always crowded; fast in and fast out; good food at very reasonable prices. Located at 225 State Street, the Enterprise is housed in a large brick building that was once a fish cannery. Many of the dishes are prepared and served in similar ways, so once you have been a couple times, don't expect to go back again and be pleasantly surprised with a brand-new taste sensation. However, you won't be unpleasantly surprised either: the fish and accompaniments — including a great seafood bar — always taste fresh, the atmosphere is pleasant, if a bit hurried at times, and the service is good.

—Tina Fesch

Alice Aldredge...

(Continued from pg.5A) from Davis," she adds, "but I did most of my thesis work in the Bahamas and in the Gulf of California." An expert diver, Aldredge came to UCSB after a brief stay at the Australian Institute of Marine Science

because of the campus' proximity to the sea. "Here I can go diving in the morning, come back, and do my lab work that afternoon." Aldredge added that she had been unable to do open-water diving in Australia because of danger of sharks.

We're also one of the few who offer an undergrad program."

Aldredge is optimistic about the future of marine sciences, and about the sea.

"The open sea is still not polluted, although we could pollute it, but I think we'll do something to stop that," she said. "For our country, at least, things look pretty good." Aldredge predicts that the sea will become an important source of food someday, "although we'll never have to eat plankton."

But easy access to the sea isn't the only reason she and other researchers come to UCSB, Aldredge said. "We're considered among the top five institutions in the nation as far as Marine Biology, right up there with Scripps and Woods Hole.

Aquatic Outlook Murky

(Continued from pg.5A) Unfortunately for the 200-300 aquatic biology majors at UCSB, the employment outlook for oceanographers is not optimistic. One graduate student describes his job outlook as "bleak."

"Aquatic biology did fulfill a societal need in the '70s. It still does, but the opportunities are fewer. At the Ph.D. level, it is common to have 100 applicants for one job," Holmes said.

Steve Parker is a biology and geology double major. He suggests that mariculture (farming of the sea) might boom in the future. Also, in perhaps thirty years when the seas accumulate a certain quantity of pollution, new jobs may open up to deal with that pollution. Parker is taking 145B this quarter since it relates to his career aspirations in micropaleontology.

Greg Howard is an aquatic biology major who also is enrolled in 145B. He has a very pragmatic view of his employability, "I don't plan on making a career of it. If I can, I will. If not..."

Tom Dudley is considering consulting work after he achieves his Ph.D. "There are a lot of political implications since water has the potential to limit growth."

Other employment options include industry such as oil companies, various government jobs including environmental protection and the Fish and Game department, mariculture, marine parks such as Sea World and Marineland, and others.

"Some of my students go on to help other countries; for example, to help Indonesia grow an oyster farm," says Aldredge. "Since they are biologists first, they could also go on to medical school." Thus, there are employment opportunities for those with a degree in aquatic biology, but not enough. According to Holmes, the Reagan administration's de-emphasis of environmental concerns is largely responsible for the job deficiency.

"The best thing that could happen," says Holmes facetiously, "would be to have another oil spill. It was the spill (of Jan. 28, 1969) that brought environmental concerns into focus." In light of the current oil drilling activity, aquatic biologists may have some luck.



CATHERINE O'MARA/Nexus



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Doing things I never would have done anywhere else! Oh well...

#1

upstairs **GRANADA** 1216 State Street 963-8740

#2

upstairs

TOM SELLECK
When the law has a job they can't handle... they need a man outside the law.

LASSITER R

#3

downstairs

Come to terms.
DEBRA WINGER
SHIRLEY MacLAINE
Terms of Endearment xxx

A PARAMOUNT PICTURE

GOLETA

#1

CINEMA

6050 Hollister Ave.
967-9447

BROADWAY DANNY ROSE

WOODY ALLEN
MIA FARROW
NICK APOLLO FORTE

AN ORION PICTURES RELEASE

#2

MICHAEL CAINE
JULIE WALTERS
Educating Rita PG

A COLUMBIA PICTURES RELEASE

#2

TOM CONTI IN *Reuben, Reuben* R

2 ACADEMY AWARD NOMINATIONS

The music is on his side.

Footloose

PG #1 #2

WOODY ALLEN
MIA FARROW
NICK APOLLO FORTE

BROADWAY DANNY ROSE

AN ORION PICTURES RELEASE

#1

FAIRVIEW

251 N. Fairview
967-0744

DUDLEY MOORE
NASTASSJA KINSKI
Unfaithfully Yours

TWENTIETH CENTURY-FOX

#2

TOM SELLECK
When the law has a job they can't handle... they need a man outside the law.

LASSITER R

#3

How the future began.

THE RIGHT STUFF

PG

#4

DUDLEY MOORE
NASTASSJA KINSKI
Unfaithfully Yours

TWENTIETH CENTURY-FOX

ISLA VISTA

2 ACADEMY AWARD NOMINATIONS #1

WOODY ALLEN
MIA FARROW
Zelig PG

A Masterpiece!

Fanny & Alexander

A FILM BY INGMAR BERGMAN
EMBASSY PICTURES R

#2

MAGIC LANTERN

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Del Norte

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ALL SEATS \$2.50

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THE PRODIGAL PG

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ERIC ROBERTS
BOB FOSSE'S
STAR 80 R

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Footloose

The music is on his side.

PG

#1

SANTA BARBARA DRIVE-IN

Memorial Hwy. at Kellogg
Goleta 964-9400

#2

TWIN DRIVE-IN

Goleta 964-9400

It took a Twist of Fate to make them

Two of a Kind

JOHN TRAVOLTA
OLIVIA NEULTON JOHN
20th CENTURY FOX PG

Rockless

Girls like Tracy never tell their parents about guys like Rourke

R

The Man Who Loved Women

BURT REYNOLDS
JULIE ANDREWS
COLUMBIA PICTURES R

5 ACADEMY AWARD NOMINATIONS #1

PLAZA DE ORO #2

349 S. Hitchcock Way
682-4936

ACADEMY AWARD NOMINEE

MERYL STREEP
KURT RUSSELL
CHER
SILKWOOD R

20th CENTURY-FOX

They thought he couldn't do the job. That's why they chose him.
A True Story
NEVER CRY WOLF PG

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Hollister and Fairview
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STAR 80 R

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Ocean And Sealife Preservation...

(Continued from pg.2A)
have on the marine environment.

According to Tracy Hopper, public information coordinator for the state Department of Resources, Energy Division, the first proposal to come into the office was the Exxon Project. Hopper says the biggest obstacle is that the panel has only one year to complete its assessment and, with such a large scale project as the Exxon proposal, they must cover an enormous amount of research and testing in a short period of time.

There is also a growing concern for the protection and care of sea life in the Santa Barbara Channel. The Marine Rehabilitation

Center, directed by Peter Howorth, consists solely of volunteers. Their job is to rescue and rehabilitate sick and injured seals and sea lions. They have a 75-80 percent success rate, the highest in the county. According to Howorth, oil is not the major problem, although a good number of their cases are brought in with oil on their pelts. Howorth said most injuries to the sea animals are natural, though they do have a fair amount of injuries due to violence. These are cases where the animals have been shot, clubbed or stabbed by humans. The only time oil is a major concern is in the first month of a sea lion's life: since they have no blubber layer, they rely

entirely on their fur for insulation. Howorth explained that until they develop a layer of blubber, their only source of protection is their fur, and if it becomes embedded with oil, they suffer. Howorth added that the sea otter, which is rarely found in Santa Barbara, would be most susceptible since they depend entirely on their fur for insulation.

Save Our Shellfish (SOS), began in 1980 as a direct response to the Friends of the Sea Otters plan for the relocation of sea otters to the Santa Barbara Channel. SOS' main goal is to prevent the annihilation of abalone and other shell fish due to the sea otter. This has already happened in San Luis Obispo and primarily Morro Bay

where divers used to gather up to two million abalone a year. There are no longer any abalone existing there and the industry has ceased to operate. This is due to the mismanagement of sea otters who prey on these shell fish.

Steve Rebeck, the northern California representative for SOS, said they are a political organization whose main emphasis is on educating the public in order to develop mariculture, a new term to define marine aquaculture.

"SOS wants to protect the sea otters, but through proper management. With the evidence of the depletion of shell fish from what were once thriving areas this is not being done," Rebeck

said.

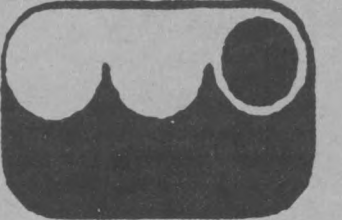
The plan to relocate sea otter into the Santa Barbara channel could most certainly result in the depletion of the existing lobster and abalone population there, Rebeck added.

Rebeck recognizes the Multiple Use Theory and the increased emphasis on ocean recreation in the twenty-first century, stressing the need for public education: "The population of California will double in the next ten years, and this will have a tremendous impact on our ecological system."

He emphasized that the damage done by people who visit tide pools is already high. "Most people do not realize that just by turning

over one rock or trampling through a pool, they are destroying habitat and eliminating a variety of sea life."

The Fish and Game Commission has enacted a number of laws and regulations pertaining to sea use in the last decade due to the increase of environmental concern. One spokesperson said, "We cannot stop progress, we can only hope to regulate and help replace what is being done."



Slingshot Cruises Channel Islands

(Continued from pg.3A)

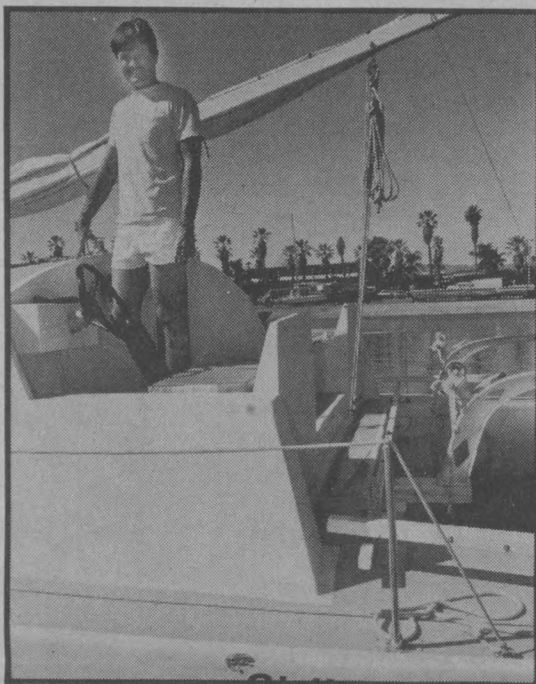
heater, beds and deck.

On weekends, Captain Tompkins and his crew (his passengers are his crew and are invited to help him sail) journey to the Channel Islands and explore Santa Rosa. The adventure begins early Saturday morning. If the crew desires, they may sleep on the boat Friday night. The group stays Saturday night at the islands and sails home to port early Sunday evening.

"Each trip is unique as every group has a different idea of what they want to do," Thomkins said. "Some groups like to stay on the boat the whole time, while others like to hike around the islands a bit. Other groups like to sail around the shoreline of the islands to view various coves and beaches. The group can do whatever they decide. Each trip is tailor-made by the group."

Some activities at the island are snorkeling (bring a wet suit), fishing, windsurfing (bring your own), bird watching or just relaxing. Tompkins will point out the sights since he has a general knowledge of the islands. He has acquired a hiking permit for some of the islands and is able to let his passengers carefully hike on them.

Tompkins stresses the importance of keeping the islands in their original condition. All the cooking is done on the catamaran and all garbage is brought back to port. It is important to treat the island with respect by not



GREG WONG/Nexus

taking souvenirs and by not leaving any sign of yourself through breaking branches or hiking off trails.

Tompkins has been taking ocean cruises with the Slingshot since 1979. He became excited about sailing 14 years ago when he would go on excursions with friends for days at a time to places like the Bahamas, the Gulf Coast and Haiti.

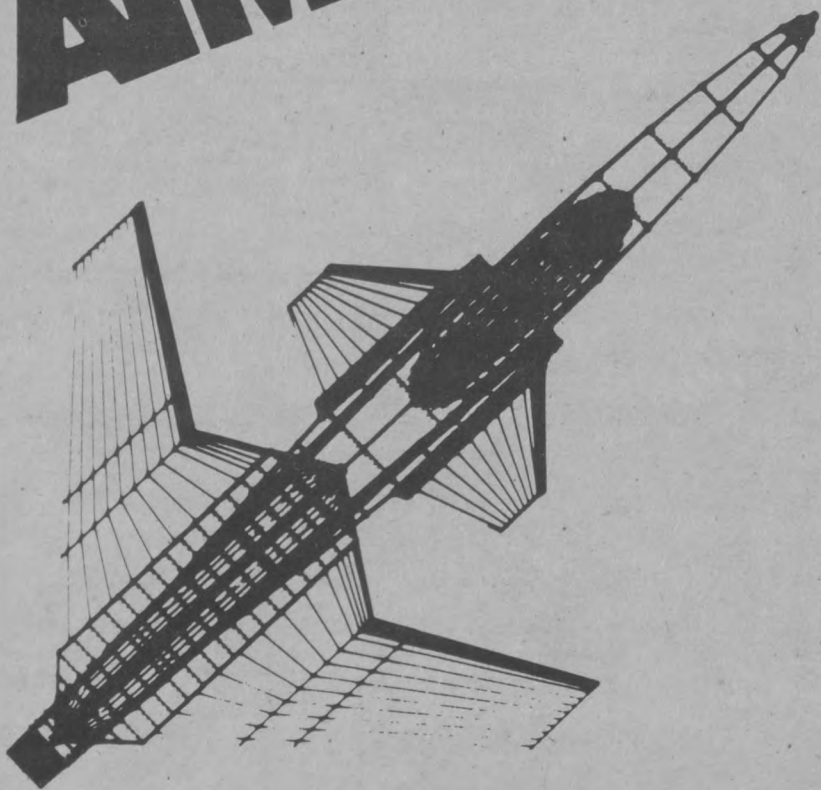
When the time was right, Tompkins purchased the Slingshot and went into business for himself. He spent the first two years living on the boat, sleeping in the galley. Since he began his business five years ago, he works longer and harder than ever, but loves every bit of it.

He also takes day charters at 11:45 a.m., 2 p.m., 4:15 p.m., and 7 p.m. These cruises are also custom made by the passengers. "We've had everything from simple picnics to steak and lobster dinners on these cruises. We have all the facilities to cook just about anything. It's up to the passengers' imagination. Sometimes people prefer to just relax for the entire trip while I do all the sailing. No two trips have ever been the same."

To be prepared, a camera is as essential as wool socks and warm sweaters. There is much to photograph around the Channel Islands.

Call Sea Landing in Santa Barbara at 963-3564 for reservations or more information.

AIM HIGH



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