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# torreyana

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Judy Schulman, Editor

NEXT DOCENT MEETING will be October 21 at 9 a.m. in the Lodge

## THE PRESIDENT'S HOPPER

Numbers can lie! During the winter season we have 32 to 40 duty assignments to fill each month. We have 45 qualified docents and a number of associates. If each docent works two times per month that adds up to 90 assignments. That's nearly three times the assignments available. Half of the assignments for November are not filled. Please call Julie at 755-5598 and get on the list or call me at 453-2422 and ask to be inactive, or convert to a supporting member for \$10 so you can receive the Torreyana in the future.-Bob H.-

## THE SECRETARY'S NOTES-by Sue Karcher

This winter the reserve will have a staff of only 4 rangers. The docents will be needed even more than before to tend the museum and lead walks.

The winter reserve schedule has begun. Duty shifts are Saturday and Sunday only from 11 a.m. to 2 p.m. or 1 p.m. to 4 p.m. Walks are at 11:30 a.m. and 1:30 p.m. During the winter months, a film will be shown at 3 p.m.

The slide show will be revised in the near future. If you have any slides of the park to contribute to the slide program, give them to Ranger Ross. If a slide will be used in the new slide show, the rangers will make a copy of the slide and return the original to you.

A very special thanks to Ken Hedges from the Museum of Man for the fantastic talk on San Diego Indians and their use of native plants! Ken told us a brief history of the Indians of this area and told us of ways the Indians used the native plants. For example, chamise was used as a material to build houses, for arrowshafts, and as a medicinal wash. The younger tender leaves of the Dudleyas were eaten raw. The chalk dudleya was used to treat corns and calluses.

Our thanks to Ken Hedges for a great talk!

Y.C.C. 1978-by Ranger Bob Wohl

The third successive year of Youth Conservation Corp. activity at Torrey Pines came to a successful close on August 25th. The 38 day non-residential program, which began shortly after the 4th of July, had 48 boys and girls, ages 15 through 18 years old, participating. Though some students car pooled from Carlsbad, Del Mar, and La Jolla, the majority arrived on a chartered bus from downtown San Diego, which made 5 stops along I-805. The camp had an equal number of males and females with no economic or ethnic considerations in hiring.

The Y.C.C camp at Torrey Pines is a federally funded, state operated program. Proposed state park projects are submitted in the fall to the federal government for grant approval. Preparation for the summer camps begins shortly after the New Year. Though the state hires the adult staff positions, all the student crew members are chosen randomly by a federal computer. Application cards are submitted by interested students at their high school placement offices before Easter break. The crew members are hired for \$2.73/hour. They are paid however only for 6 hours daily. The remaining unpaid two hours are set aside for environmental awareness education. School credits can be received for the educational time.

The program this year was a tremendous success. The previous years have seen the emphasis of Y.C.C. projects to be on trail maintenance and repair, and Gabion dam building in the Extension Reserve. The intense winter rains changed the complexion of projects overnight. The Gabions were washed out and the downhill sections of Rim Trail, Beach Trail, Razor Point Trail and Broken Hill Trails were gouged and eroded. Sections of Razor Point overlook were down on the beach, and most bluff trail sections were damaged.

In stepped Area Manager Jack Welch, District Resource Ecologist Joe Agozino and Ranger Pat Robards. With the support of new District Superintendent Ron McCullough and on-the-scene involvement of Asst. District Superintendent Al Ulm, the park service was able to map out, approve and stake brand new trails in Broken Hills and Rim Trails area. This all occurred in an unprecedented two months time, all ready for project planning and purchasing and the arrival of the Y.C.C. in June. The support state parks gave to the Y.C.C. was like no where else in the state.

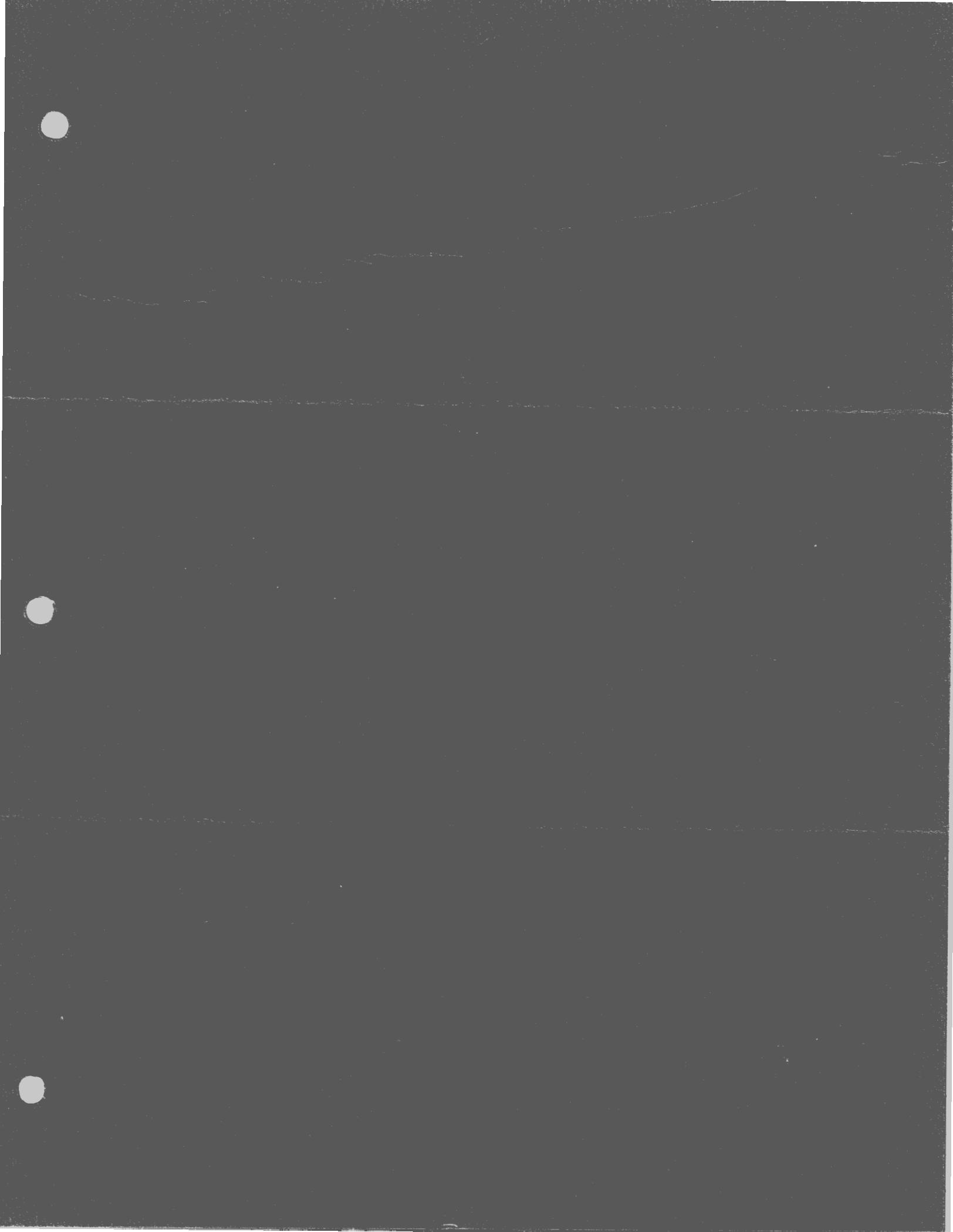
The enthusiasm and abilities of the student crew members amazed everyone. The quality of the completed projects was acknowledged and praised by maintenance and rangers alike. ~~Some of the Docents have had a chance to walk the new trail system and have enjoyed the new areas it opens to the public, the new vistas and the new sights.~~

Over 7000 feet of new trail was cut in the main reserve. Over 10 miles of trails were repaired, pruned, stepped, bordered, and educationally posted. The camp-fire center at South Carlsbad was realized. Bumper guards at Cardiff State Beach were secured. Gabions were repaired. Countless posts and cable were installed.

Field trips included Mt. Palomar Observatory where we received a behind-the-scenes tour, trips to Scripps, The Wild Animal Park, Cuyamaca State Park, Papacube Recycling, San Diego State Ecology Center, Quail Gardens, and many others. Numerous guest speakers from County Supervisor Roger Hedgecock to our own willing Ranger staff gave conservation-nature talks.

Oh, one last project before I finish - the entire lodge interior was freshly painted, including the Docent Office. So the Y.C.C. has come and gone - but their impact this year will be felt by all who love Torrey Pines for sometime.

-Ranger Bob Wohl, Program Manager-



"THE WILD CHAPARRAL" con.

wheat, its clusters of delicate white flowers attracting dozens of bees. Grape juice-smelling lupine tinges the breeze a little farther on. Bright red monkey flowers with their small trumpet blossoms dot the moist areas of the canyon floor. Morning glories, with large, white, funnel-shaped blossoms, crawl vinelike over the ground or entwine the chaparral. In cosmic clusters golden star blossoms umbrella the tops of long leafless stems, looking like miniature stars. Bright yellow field mustard, one of the first flowers to paint Wild Canyon after winter rains, is a neighbor to many plants...

...Chaparral has been subjected to frequent fires for thousands of years. Yet seldom are the dominant plant species killed off, even though ...they have been burned to the very ground. To assure the continued survival of the plant community nature has endowed chaparral with some remarkable mechanisms for regrowth. Under a protective layer of earth the roots of many plants still live. From the sucker roots of chamiso, scrub oak, laurel sumac and many other hardy plants, tender new shoots pop up through the ash. Some plant species are even totally dependent on fires to reproduce. Their seeds are "fire activated" and can be triggered into sprouting only by the heat generated from a fire. The seeds may lie dormant in the soil for decades. Only after fire has weakened their outer shells, allowing water to penetrate, can germination begin...

SOUTHWEST FISHERIES FIELD TRIP PLANNED

This will be an optional activity following our meeting. The National Oceanic and Atmospheric Administration is celebrating its 8th birthday and cordially invites you to attend an Open House to mark the event at the Southwest Fisheries Center, 8604 La Jolla Shores Drive ( $\frac{1}{4}$  mile north of the Scripps Institution of Oceanography) in La Jolla, California on Friday, October 20 from 9:30 a.m. to 3 p.m. or Saturday, October 21 from 10 a.m. to 3 p.m. Among the fisheries exhibits will be cleared and stained "see-through" larval fish, models of the principal tuna species studied as well as recently caught specimens (albacore, skipjack, and yellowfish tuna), plankton collecting nets and samplers, a live fish tank, a large porpoise model exhibit, an expendable bathythermograph recorder and probe to measure internal, deep water ocean temperatures, a model of a tuna purse seine net, and many other examples of specialized gear and equipment used on research survey cruises.

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FIRST CLASS