



Torreyana

*A bimonthly newsletter for
Torrey Pines State Reserve*

Issue No. 239, April 1996

Next Docent Society Meeting

Saturday, April 20th 1996 at 9 a.m.

A very low tide will precede the April 20th meeting, the perfect setting for walking to the lodge via the beach route. For those coming by car, the Reserve staff requests that members carpool if possible to provide more parking space for visitors during these spring months. Because the spring heralds in such lovely weather, once again the Docents' meeting will be held outside. As the *Torreyana* goes to press, the speaker has yet to be

confirmed.

At the March 16th meeting, Pamela Drechsel was elected as editor of the bimonthly *Torreyana*. She will be assisted by her husband, Jerome A. Smith, an oceanographer at the Scripps Institution of Oceanography. Elizabeth Nicoloff has graciously agreed to continue proofreading and overseeing the copying and mailing. Correspondence for the editor may be left in the *Torreyana* box in the Docents' room. Submissions should be made at least ten days prior to the first of the month. Please do send in articles and suggestions for articles!

TPA Report

by Elizabeth Nicoloff

The Counselors of the Association have always used the *Torreyana* for communication with their membership. At their last meeting they stressed the importance of continuing to report on their activities on behalf of the Reserve. At their meetings they discuss a good deal of detail that is not, in my opinion, of general interest. But whenever they take action on some situation or problem, I will report it. We have already begun a series called "Know Your Counselors" — President John Fleming and Vice President Sally Spiess have been featured, and we will continue with others.

At the March 9 meeting, officers for the year were elected:

President	John Fleming
Vice President	George Beardsley
Vice President	Sally Spiess
Secretary	Bob Coats
Treasurer	John Shelton

The possibility of taking a web site for the Association with the Internet was discussed, and it was decided to proceed with arrangements to get the site.

A proposed Interpretive Center at North Beach, which had been brought up at the annual meeting in February, was enthusiastically discussed. A committee was appointed to study and report on how such a center can best be developed.

The counselors meet at 8:30 am on the second Saturday of every other month (starting with January) in the docent room at the lodge. Any TPA members or docents who would like to attend are cordially invited.

If you have any thoughts about what information you would like this monthly report in the *Torreyana* to contain, please let me know. Write to me care of TPA, P.O. Box 345, La Jolla CA 92038; or call me at home, 459-7608.

DOCENT DOINGS

Docent Training Class of 1996

The 1996 Docent Training program started on March 9th with twenty-four people attending. On March 23rd, Don Grine presented a lecture on birds, and John Carson discussed lizards. Any docents who wish to attend the training lectures are welcome. The sessions start at 9 am, and run about three hours, with a break for refreshments. When possible, they will include a short walk to complement the lecture. (Find the complete training class schedule in the March/1996 Torreyana.)

Optional walks will take place at 9 am on Sundays following training lectures, which should further

enhance the material covered in the lectures.

Joan Nimick, Docent Training Officer

Membership list will be available at the April 20th docent meeting.

Please check your Torreyana mailing label and call Shirley Musser, Membership chair at 755-1981 with any corrections.

1994-1995 Docent Training Class Review. Jim Cassell has tentatively planned an April 20th park walk to review fauna identification, and interpretive techniques. All are welcome.

Native Americana in the Library (Library Subject List #5, Revised)

by Marc Gittelsohn

Here are most of the books in the docent library on Native Americans. Books added to the collection since the list first appeared in Torreyana (in 1991) are preceded by an asterisk (*). Except as noted, the volumes that follow are shelved in the INDIANS section.

Balls, Edward K., *Early uses of California plants*. U. C. Press, California Natural History Guide no. 10, 1972.

Carrico, Richard L., *Excavation of a portion of Ystagua: a coastal valley Ipai settlement*. San Diego, 1983.

Carrico, Richard L., *Strangers in a stolen land: American Indians in San Diego 1850-1880*. Sierra Oaks, 1987.

Coles, D. Shane, *The ethnobotany of Torrey Pines State Reserve*. California State Department of Parks & Recreation, 1983. TORREY PINES section.

Cuero, Delfina, *Her autobiography: an account of her last years and her ethnobotanic contributions*, by Florence Connolly Shipek. Ballena Press, Its Anthropological Papers, no. 37, 1991. We also have earlier editions of this work.

*Emanuels, George, *California Indians: an illustrated guide*. Diablo Books, 1992.

*Farmer, Justin F., *Indian basketry material*

preparation. Eagle Enterprises, 1991.

*Forbes, Jack D., *Native Americans of California and Nevada, revised edition*. Naturegraph Publishers, 1989.

Hedges, Ken, *Santa Isabel ethnobotany*. San Diego Museum of Man, 1986.

Heizer, Robert F., ed., *California*. Vol. 8 of the *Handbook of North American Indians*, Smithsonian Institution, 1978.

Heizer, Robert F., ed., *The California Indians: a source book*. Second edition. U. C. Press, 1971.

Heizer, Robert F., *The natural world of the California Indians*. U. C. Press, California Natural History Guide no. 46, 1980.

Knaak, Manfred, *The forgotten artists: Indians of Anza-Borrego and their rock art*. Anza-Borrego Desert Natural History Association, 1988.

*Lee, Milicent H., *Indians of the Oaks*. Revised edition. San Diego Museum of Man, 1989.

*Moser, Christopher L., *Native American basketry of Southern California*. Riverside Museum Press, 1993.

*Noel, Atanielle A. R., *Plants of the Southern California Kumeyaay*. Barona Band of Mission Indians Library, 1993.

*Ortiz, Bev, *It will live forever: traditional Yosemite Indian acorn preparation*. Heyday Press, 1991.

*Oswalt, Wendell H., *This land was their land: a study of American Indians*. Fifth edition. Mayfield Publishing, 1996.

Parker, Horace, *The historic valley of Temecula: the early Indians of Temecula*. Paisand Press, 1966.

Powers, Stephen, *Tribes of California*. U. C. Press, 1976.

Periodical Information

Publication Title: Torreyana

Issue Date and Number: see front page.

Publication schedule: Monthly, except August

Organization: Torrey Pines Docent Society

P. O. Box 2414
Del Mar, CA 92014

A.W.O.L. Books

by Marc Gittelsohn.

A recent inventory of our library revealed these books to be missing:

Arnberger, Leslie P., *Flowers of the Southwest mountains*. PLANTS section.
Jameson, E. W. Jr., *California Mammals*. California Natural History Guide no. 52. MAMMALS.
Los Angeles [County] Dept. of Parks and Recreation, *Windows into the Wild*. INTERPRETATION.
Los Peñasquitos Lagoon Enhancement Plan and Program. TORREY PINES.
McKinney, John, *Day hiker's guide to Southern California*. OUTDOORS.
Peattie, Donald C., *Natural history of Western trees*. TREES.

No—they're not overdue, just gone. Forgetful readers who may have neglected to check them out properly should take advantage of our generous amnesty program, and quietly return them to the shelves with no questions asked. Deadline: April 12th.

Our Growing Library. Despite the above, our library continues to increase. Here are the statistics for the past five years. Most of the withdrawn volumes were permanently missing and replaced.

Year	Volumes (as of 1 January)	Volumes Added during the year	Volumes Withdrawn	Volumes (as of 31 December)
1991	247	22	--	269
1992	269	43	3	309
1993	309	43	2	350
1994	350	47	1	396
1995	396	43	6	433

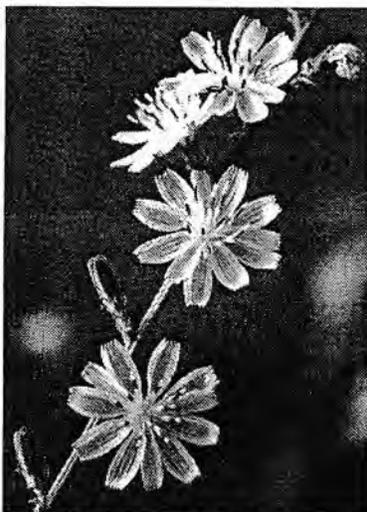
Strobili, Argiope, Fascicles, Pistils, Stomata

by Barbara Wallach

Do these sound like delicious pastries or desserts? Find out what they are by joining us on one of the children's educational program walks. We try to stay one step ahead of the children by having tidbits of information about many different subjects on the tip of our tongue. Strobili, argiope, fascicles, etc., are all found in the Reserve and are explained to the children along with such topics as adaptation, camouflage, habitat, ecosystem, food chain, photosynthesis, and pinole. Of course, interpretation of the Reserve is always the underlying goal of the program.

We're glad to have Melanie Martinod participating in the children's program again. She has volunteered to work with Joan Nimick and me to coordinate the program and to handle many of the nitty gritty organizational "behind the scenes" tasks. New and fresh ideas are always welcome! Feel free to contact any of us.

Our bus grants, which cover the cost of bringing the children to the Reserve, are quite popular, as you



Wand Chicory (photo: Eva Armi)

might imagine. We hope to receive more requests and to have more funds available for next year in our attempt to reach those schools and students most in need.

The schedule for docent-led school visits is posted on the docent room closet door calendar. You will find the time, main topic, number and grade of the children as well as the number of docents needed for that day listed there. Come and participate in the fun every Wednesday and Friday morning through the first week of June. Sign-up to lead your own group or join one of us on the trail. You are always welcome. We would love to

have you share this worthwhile, rewarding experience with children at Torrey Pines State Reserve.

Thanks this month to: John Burton, Myrna Burton, Ann Campbell, Jim Cassell, Claudia Clay, Pamela Drechsel, Wes Farmer, Vida Fruebis, Ruth Ganeless, Melanie Martinod, Joan McNally, Joan Nimick, Diane Sachs, Carol Schroeder, Jan Taylor, Cindy Wollaeger, and to the docents doing lodge duty on Wednesdays and Fridays.

Superior Achievement Award given to Lee and Jessie LaGrange

by Michael L. Wells, Associate Resource Ecologist

On March 16, Lee and Jessie LaGrange were awarded the State Park System's Superior Achievement Award, Volunteer Medallion for external support. Lee and Jessie have been long-term supporters of Torrey Pines State Reserve and have acted as strong proponents of maintaining environmental quality within the reserve and their community.

Jessie has been an organizer and instigator of political actions that have greatly benefited local park units. She is a long time member of the Torrey Pines Association and served on the board of that organization for many years. She was instrumental in the acquisition of the Torrey Pines Reserve Extension, both in terms of raising funds for the purchase and in lobbying local legislators. Jessie was also a founder of the Lodge Sitters in 1968. This was a group that operated and maintained the Torrey Pines State Reserve lodge and served as a forerunner to the current Torrey Pines Docent Association. She individually was

responsible for saving the Torrey Pines Lodge from demolition in 1972. She appealed to then Director William Penn Mott to recognize the building's historic significance to the San Diego community and prevent its destruction. As a member of the Torrey Pines Community Planning Group Jessie was involved in the acquisition of nearly 200 acres of City lands at the southern end of Los Peñasquitos Lagoon and its addition to Torrey Pines State Reserve. She also was a founding member of a citizens group which prevented the construction of a SDG&E power station within Los Peñasquitos Lagoon in the mid-1980s.

Lee has acted as a staunch protector and advocate for restoring and maintaining the health of Los Peñasquitos Lagoon. In the mid-1960s he and Jessie participated as volunteers in Jack Bradshaw's surveys of the biota of Los Peñasquitos Lagoon. He

was the first individual to recognize that the health of the Lagoon was closely related to the amount of tidal flushing through the lagoon mouth. He also recognized that the Lagoon mouth had been restricted due to construction of the Coast Highway and the Santa Fe Railway. In order to improve circulation through the lagoon mouth Lee removed more than 100 bridge pilings which ran across the lagoon mouth from the original alignment of McGonigle Road. He did this by chopping off the pilings at ground level with an ax during extreme low tides.

Lee and Jessie were charter members of the Los Peñasquitos Lagoon Foundation. Jessie was one of the original board members while Lee served on the

technical advisory committee. A few years ago Lee replaced Jessie on the board and currently serves in that capacity. Since 1965 Lee has monitored the status of the lagoon mouth and has been the driving force in efforts to maintain it. He used this experience to write sections of the Los Peñasquitos Lagoon Enhancement Plan and Program, prepared in 1985. His philosophy has been that management techniques should augment or enhance natural processes. These efforts have included 42 lagoon openings directed by Lee, each taking a period of two to four

days. He pioneered techniques which combine limited use of heavy equipment with natural tidal flushing to clear material from the lagoon mouth. These efforts began in 1984. That year the mouth was open for a period of only 40 days. Through refinement and application of these techniques the period during which the mouth has remained open has greatly increased. During 1994 and 1995 the mouth was closed for periods of only a few days. During this period the biological health of the lagoon has improved dramatically. Monitoring by the Pacific Estuarine Research Laboratory has documented increases in the diversity and abundance of fauna resources within the lagoon. These techniques, developed by Lee, have been adapted into the management programs of San Dieguito and San Elijo lagoons in San Diego



county.

Lee and Jessie have also worked to prevent erosion damage to the Torrey Pines Reserve Extension caused by city storm drain outfalls. With the Reserve staff's approval, the LaGranges and groups of family and friends which they organized have constructed and maintained a series of earthen check dams along the central gully that runs through the Extension. This has prevented loss of soil and vegetation from the Extension and prevented sedimentation into the lagoon.

Considered together Lee and Jessie have contributed a tremendous amount of time, effort and passion to Torrey Pines State Reserve and Los

Peñasquitos Marsh Natural Preserve. They have served as leaders in political processes that had direct impacts on the acquisition and protection of State Park lands. They have also been instrumental in developing and performing techniques which have enhanced the Reserve's natural resources. When things have needed to be done they have always been ready to pitch in. They have never asked for or received any payment for the thousand of hours of time that they have contributed to the Reserve's welfare. Without them the Reserve would be a smaller and less healthy place. They are deserving recipients of the Superior Achievement Award, Volunteer Medallion.

A Personal Observation...

by Maryruth Cox

About twenty docents, TPA members, and state park officials gathered on the north terrace of the lodge on Monday, March 18, to hear Mike Wells present Jessie and Lee LaGrange with gold medallions from the State Park department for their service as volunteers in the past three decades. As we watched the lagoon below, where the ocean flushed clean water in and out of the marsh, Mike Wells spoke of Lee's long and productive work in keeping the slough mouth open to the sea. In the early years, Lee and Jessie led their neighbors and friends in digging channels to the ocean from the lagoon. (I remember about 50 people with shovels working at the entrance one year.) Now the work is done by machines under the supervision of the Los Peñasquitos Lagoon Foundation (Jessie and Lee have served as board members) and the State Park.

Jessie and Lee built check-dams in the extension,

photographed illegal dumping in the park, and worked for the acquisition of land to TPSP. For more than 30 years they have been actively involved in efforts to protect the park.

Mike Wells mentioned that four awards were made by the State Department of Parks and Recreation this year. Three were to associations; the fourth, to the LaGranges, was the only one made to individuals.

Jessie thanked Mike and commented that many people, such as Area Supervisor Jim Whitehead, Bill Fait, and Bill Tippetts, had worked together to make the volunteer efforts possible. She said that the State Park system formed the necessary framework for successful volunteer efforts. For example, in order to open the slough, numerous agencies were contacted by the State Park system. She said, "They should get an award, too!" Mike Wells grinned, "We do! At the end of the month when our checks come!"

Notes From The Archives

by Maryruth Cox

Delfina Cuero, who wrote about the life of a Kumeyaay Indian woman in her book, "The Autobiography of Delfina Cuero", came to Torrey Pines in April 1968 to lead a nature walk, according to the Torrey Pines Wildlife Association Newsletter of that year.

Jessie La Grange was part of the small group that followed Delfina down the trail and watched her pick leaves here and there, sniff them, and sometimes throw them away: "--no good!"

Delfina pointed out the gourd (Cucurbita) which sprawls over vacant land. The Indian boys used to throw these gourds at each other in fights, and Delfina liked to join in, but her grandmother would scold: "Girls aren't supposed to be in gourd fights!"

Peta Mudie, a botanist who worked on many projects in TP park in the sixties, had a private conversation with Delfina Cuero, through an

interpreter. Delfina told Peta about the many uses the Kumeyaay Indians found for plants growing in the park. Some of her comments follow:

- 1 - Tea was made from the dried leaves of the black sage.
- 2 - The plants in the bladderpod family absorb selenium and are toxic to cattle.
- 3 - The Indians ate the bulbs of the mariposa lily.
- 4 - Seeds of the wild cucumber were ground and used for face powder.
- 5 - Berries of the boxthorn (*Lycium californicum*) were eaten by the Indians, and are still used by Mexicans.

More information about Delfina Cuero's talk with Peta Mudie can be found in a binder marked "Flora"

on the bottom shelf of the docent library.

In the 1950 issue of California Gardens there is an article about Torrey Pines, "Torrey Pines Floral Show", which gives us a glimpse into the past history of plants in the park. One intriguing bit of information states that:

"An interesting member of the Box Family is *Simmondsia californica*, Deernut, or Jajoba, pronounced ha-ho-ba. (The Indian name for this shrub). We find the westernmost mainland stand of the desert type shrub growing on the steep, seaward slope near the foot of the old Torrey Pines Grade. This is a true relic of a past age when desert conditions prevailed in our coastal area. Our "relic" comprises a growth of low, creeping shrubs covering an area about 25 by 75 feet, whereas, in the

Eocene flora and fauna of the Del Mar and Torrey Sandstone at Torrey Pines State Beach

by Dr. Wesley M. Farmer

During the last couple of years or so, I have been recording the nature of the flora and fauna that fall to the beach. The unstable nature of the cliffs causes rocks to fall on occasion, mostly when the cliffs are soaked by falling rain and flowing streams. The Torrey sandstone is porous and, like a sponge, becomes heavy with moisture. The vertical cliffs allow rocks to fall to the beach when their time has come (hopefully with no one underneath). Each time this happens, the fallen and broken rocks and stones present their contents: at times a happy find, with a story to tell. Sometimes the story is a puzzle. As finds become more numerous, an idea of the kind of habitat emerges.

Some time ago (1994), the *Torreyana* included illustrations of a soft-shelled turtle, of the family *Trionchidae*, which was discovered on the beach below animal canyon on 27 November 1994. Since then, four other finds of bones or skin of soft-shelled turtles have been made, mostly from the area south of animal canyon. One of these bones was from a known layer of blue-green-gray mud-stone; the others were encased in good sized beach stones.

In the area between Flat Rock and the earthquake fault zone to the south, there are four carbonized trees of fair size, one horizontal and three in the prone position. A clay armature could be used to make a miniature model of these Eocene plants, so we could see how they may have appeared before being covered.

The 109 mm long salt-water crocodile bone found below razor point some time ago has since become a beach pebble. There is, however, remaining bone within the rock. Dr. Grahame Webb, of Darwin Australia and Crocodylus Park, raises salt-water crocodiles for commerce. I've requested a humerus

arid regions of the Colorado Desert and in Arizona and Lower California, *Simmondsia* is a large shrub over five feet high and many feet broad."

Where is this patch of jojoba? If you stand at the foot of the old road into the park and look on the seaward slope of the cliff, there are several clumps of low shrubs. Most of them look like lemonade-berry, but there is one large dark patch that might be jojoba.

Charles Kerns points out that a clump of jojoba is growing on the other side of the valley, just east of the intersection of Carmel Valley Rd. with Camino Del Mar, up on the cliff.

Does anyone know more about this relic? Please call me (Maryruth Cox) at 755-4007.

bone, for comparative purposes. This would permit us to calculate the probable weight, length, and age of the Eocene salt-water crocodile from the bones on the beach at Torrey Pines State Beach.

There is more Eocene meat represented by insects. These Eocene insects have indicated what they were doing when the overburden of sand preserved that very action. Their habitat being under the bark of Eocene plant life, we can see where they had lived by the mold made by the sand. The sandstone mold preserves in detail the shape of their home space, not to mention the details of the surface of the plant they had occupied.

The large rocks have no claim to their original site in the Delmar Formation. These rocks, however, may contain carbonized wood with the remains of another source of protein. They are the *Teredo*, also known as the ship worm. In real life, the ship worm is a bivalve clam that makes its gregarious home in wood that has been afloat at sea for some time. It is amazing how common this form of bivalve is.

On one occasion a piece of palm wood, a monocotyledonous plant, was found with *Teredo* burrows. It was X-rayed by Dr. Michael Andre, of Veterans Medical Center in La Jolla, in an attempt to see the *Teredo* tubes within the palm wood. He was somewhat successful in doing so.

There are six cycad-like plants in the area below Yucca Point (they are mentioned in the field notes as cycads). They appear to have nuts or seeds in their meristem. One demonstrates what appears to be vascular bundles, while others are solid appearing. One has had an apparent succulent leaf in the matrix of mud stone, while another is attached.

Dr. Michael Simpson, with a specialty in plant systematics at San Diego State University, mentioned that these Eocene plants would make a good masters thesis for one of his students. Yes, that is a good idea: the material, photographs, and sites are available to support that effort when a student could take on the project.

There are other interesting ecological discoveries in the molluscan community: Mollusks and minerals and commensal relationships that have been discovered and photographed along the beach from the earthquake zone south of flat rock to the number

one lifeguard tower along the sea cliffs of Torrey Pines State Beach. Some of this will be presented at the Western Society of Malacologists this summer, at their meeting in San Diego. I'll give you the details of this meeting when they are confirmed.

RANGER REPORT

A HEARTFELT THANKS TO EVERYONE AT TORREY PINES STATE RESERVE!

Life is funny. The bad news is in the grand poker game of life, sometimes you get dealt a hand you were not expecting. The good news is that this may be an opportunity for learning and growth (when life hands you lemons, make lemonade). My new book "HOW NOT TO SPEND YOUR CHRISTMAS VACATION" will be out soon.

When the I.R.A. broke a delicate peace with a bomb killing two and injuring over 100 people less than five miles from my hospital, I knew it was time to get home to the sanctuary of Torrey Pines and friends.

Your outpouring of get well cards, letters, prayers, and phone calls has been unbelievable. I truly believe that caring helped pull me through. THANK YOU to you all.

Sincerely,
Greg Hackett

P. S. Remind me to share with you the culinary thrill of eight weeks of hospital food.

URGENT MESSAGE from State Lifeguard Mike Silvestri:

"Tony, my 6 year old son, has a rare bone marrow cancer. He recently relapsed after his 2nd bone marrow transplant. He's going to need whole blood

and platelets for quite some time. We would like to get about 3-4 donors a week. Tony is O-positive and CMV negative. CMV is a virus that most people get without even knowing it, so they test CMV positive. If you do not know your CMV status, they will test for it at the time you donate. If you're interested in donating blood to Tony, we have set up a donor specific program. If you are O-positive, CMV negative, Tony would receive your blood. If you're O-positive and CMV positive, your blood would go into the general pool, and would be credited to Tony's account. All donations are made at the Kaiser Blood Donation Center. If you're interested in donating blood for Tony, please call for an appointment and be sure you designate the donation to "donor-specific, Tony Silvestri." Do not walk in; call for an appointment at 528-6555. Any donations would be greatly appreciated." -ak

JUNIOR RANGER PROGRAM - Those interested in helping to put together a self-guided activity booklet for children and parents, please attend a working meeting on Thursday, April 4th, 12-2p.m. in the Docent Room. Call Ranger Allyn Kaye to RSVP, and to share your ideas and suggestions. -ak

NATIVE PLANTS - Now is the time to work on the Interpretive Garden. If you would like to participate, call Melanie Martinod at 632-5126. -mm

Torrey Pines Docent Society Board

President	Don Grine
Vice President	Vida Fruebis
Program & Activity Director	Walt Desmond
Training Officer	Joan Nimick
Secretary	Kathy Watson
Treasurer	June Brickelmaier
Duty Coordinators	Ann Campbell & Elaine Sacks
Torreyana Editor	Pamela Drechsel

Torrey Pines Association Board

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Resource Ecologist	Allyn Kaye
Park Aides	Chris Platis
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	S. DeJane, D. Franks, N. Ruhmke
	Stacie Hathaway, Charlie Kerns

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The Torreyana is issued by the Torrey Pines Docent Society, which gratefully acknowledges the assistance of the TPA in its production. The Torreyana is printed on 100% recycled paper.

APRIL DUTY CALENDAR

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 1 L R. Miller L Cooper	2 L Kanekar L Oswalt	3 L Gaarder L Watson	4 Passover L Clark L Cooper	5 Good Friday L Clay L Vale	6 L Altizier W Marley L Murthy W Stiegler	
7 Easter L Schulman W Ferguson L Schulman W Dixon	8 L Schroeder L Oswalt	9 L Talberts L Rudolph	10 L D. Miller L Shaw	11 L Jacobson L Gettelsohn	12 L Stein L Katz	13 L Ganeless W Cassell L Grain W Marley
14 L Heller W Brav L P. Roberts W Dixon	15 L Rudolph L Oswalt	16 L E. Sacks L Oswalt	17 L Amanns L Wollaeger	18 L D. Sacks L Campbell	19 L Clay L Hauer	20 Meeting L Heller W Francis L Murthy W D. Miller
21 L Robertson W Ferguson L Anasis W P. Roberts	22 L Rudolph L Huber	23 L Talberts L Cooper	24 L Schroeder L Shaw	25 L Clark L Gittelsohn	26 L Katz L Vale	27 L Grain W D. Miller L Gordon W Stiegler
28 L Heller W Cassel L Murthy W Brav	29 L R. Miller L Schroeder	30 L Hauer L Schroeder		Duty Coordinator: Elaine Sacks, 551-0708 Hours: 10am-1pm, 1-4pm Walks Sat, Sun, & Holidays, 11am and 1 pm If you cannot do your duty, please arrange your own substitute. Lodge duty daily.		

Daily Rare Bird Hotline: 479-3400 (San Diego Field Ornithologists)

Torrey Pines Docent Society
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TORREY PINES



DOCENT SOCIETY

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