

TORREYANA

*A newsletter for
TORREY PINES
STATE NATURAL
RESERVE*

Volume 11, Issue 6

November 2010

Those Amazing Bees: the Secret Lives of Honey Bees

*by Barbara Krueger from notes taken
by Sharon BelknapThompson*



Photo by Herb Knufken

Prof. James Nieh of UC San Diego gave the docents a wonderful presentation at the last meeting. He encouraged questions during his talk and here are some of the things we learned.

Bumble bees are native to California. Honey bees, on the other hand, came from Europe, South and Southeast Asia and the Philippines. Stingless bees come from most tropic and subtropical regions of the world.

Bees evolved along with flowers in the Mesozoic era. Although there has been much in the news lately that

there has been a decline in the bee population, at the moment the population is stable.

The two important byproducts of bees are beeswax (used for candles and lubrication) and honey. But the most valuable work they do is pollination. In California they are responsible for pollinating crops valued at \$1.5 billion and \$15 billion nationally.

There is only one queen bee per colony, distinguishable by her long abdomen. She produces approx. 2,000 eggs per day. "Queen pheromone" is secreted with each egg she lays for "authenticity." This pheromone is detected by the worker bees and, if this begins to diminish, "royal jelly" will be fed to a worker bee and she will evolve into a new queen bee. A queen bee lives on average only 2 years.

Worker bees are sterile females incapable of producing eggs. Mature worker bees leave the hive and gather nectar and pollen for food. Nectar provides carbohydrates and pollen protein. Bees secrete wax from wax glands after eating nectar. Larvae growing in the cells of the hive are capped off with wax in their final phase of development.

Drone bees are responsible for mating with virgin queen bees from *other* hives. Drones (the males of the hive) are created from unfertilized eggs and only have the DNA of the queen.

Docent General Meeting Saturday, November 13th 9 am

Location: St Peter's Episcopal
Rec Hall, Del Mar

Speaker: John McGowan, Research
Professor of Oceanography,
Scripps Institution of Oceanography,
UC San Diego

Program: As the Principal
Investigator of a long-term, baseline
study of Red Tides and Harmful
Algal Blooms in the Southern
California Bight and at Torrey Pines
Beach, McGowan will speak on that
topic.

The comb, or hive, is made up of large and small cells. Larger cells are for drones and smaller ones for worker bees. If worker bees note the need to increase their population they cap off the "large cells" with wax so the queen can only lay eggs in the small cells. The queen first determines the diameter of the cell by measuring it with her legs and will fertilize an egg for females (workers) and not-fertilize eggs for males (drones). Worker bees follow a genetic program, or evolution, and as they age they change jobs in the colony. They begin as nurse bees, caring for the eggs, larvae and pupae.

(Cont. on p. 3)

The **Torrey Pines Docent Society** publishes the *Torreyana* bi-monthly, edited by Bobbi Krueger. On alternate months, the Society publishes the *Torrey Pinecone*, edited by Lillian Lachicotte. Both publications include the monthly duty calendar, announcements and information concerning membership meetings. Submissions for either publication are due on or about the 20th day of the preceding month and may be submitted to **Editors@torreypine.org**.

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Many thanks to Editor Bobbi Krueger and the docents contributing to this newsletter and to Copy Editors Lillian Lachicotte and Walt Desmond. And thanks to Vernie McGowan for mailing and distribution.

Roger Isaacson
Publication Coordinator

Message from the President

In the warm afterglow of the Staff Appreciation Potluck, I am proud of us docents and thankful for the wonderful staff at our Reserve. We can really put on a party! The food was both abundant and delicious. The camaraderie and joy of being together were wonderful to experience. We are truly a great group. Special thanks to Laura Lowenstein for her impressive organization and efforts. Lisa Urbach, one of our new rangers, came up with the idea of holding a drawing for some fun prizes - I really like my lifeguard shirt. Now that we have a full complement of rangers, I expect that we will have more interaction and cooperative activities between the docents and the rangers and park aides, including the "hybrids" Diane Greening and Laura Lowenstein. Thanks to Laura and Diane for keeping the system functional during our thinly staffed period.

All of this fun occurred in the shadow of the upcoming election when we will be given a chance, in Proposition 21, to provide California's state parks with the sustainable funding they have lacked for the last 30 years. The budget passed by the legislature has continued the dangerously inadequate support for parks that could eventually result in the loss of many of our open spaces. At Torrey Pines, we will notice this legislative neglect in reduced presence of our rangers, inadequate maintenance and potentially higher day use fees. These dire predictions make it all the more important that we enact Prop 21. The campaign tells us the polls show that we should succeed, but we should not slack off in our efforts until the election is finished. Tell your friends and neighbors!

To take one more swing at the horse, we must all be "live scanned" before the end of the year. We cannot renew the parking pass of any docent who has not been scanned. This applies to Active, Supporting and Life Members. The only exception is if you no longer perform Lodge Hosting (Lodge Duty), Children's Programs, Special Walks or Trail Patrol. If you are in need of scanning, please contact me at vogelr3@cox.net or 760-216-6072. We have made arrangements with Del Mar Live Scan to provide the services at no cost to the individual Docent. Just identify yourself as a Torrey Pines Docent and the owner, Kirk, will invoice the Docent Society for the cost of the process. Del Mar Live Scan is located in the Piazza Carmel shopping center in the Postal Annex office next to the Baskin Robbins shop. The address is 3830 Valley Centre Dr. #705, San Diego, CA 92130. Their phone number is 858-350-1274.

See you around the Reserve.

Rick Vogel

President,
Torrey Pines Docent Society

(Cont. from p. 1)

Next they become worker bees and finally, foragers, collecting pollen, nectar and providing communication to the colony to find food sources. In addition to pollen and nectar, "propolis," a resinous mixture, is also collected from tree buds, sap flows and other botanical sources. It is used as a sealant for unwanted open spaces in the hive.

Forager bees have evolved a unique aspect of communication or secret language to communicate found food sources. A "waggle dance" is performed by bees to communicate to other bees the distance and direction where food can be located. Bees can smell the odor of the dancing bee and use this, in addition to the directions interpreted from the dance, to find food. Another interesting phenomenon about bees is that they can see UV patterns in the sky and don't need to see the sun to navigate.

To learn more go to the lab website at www.biology.ucsd.edu/labs/nieh/index.html

Docent Doings

Nov. 13, General Meeting

Nov. 17, 4:30-8:30 pm-Wedding Expo

Nov. 18, 5 pm- Full Moon hike

Dec. 1, 10 am-noon Field trip to SD Archaeological Center in San Pasqual.

Dec. 4, 10-12 am Lodge Decorating

Dec 11, 11 am-? Holiday Party at Lodge

If you are involved in or know about docent activities that might interest other docents, send your information - docent name, date of the activity, a brief description of the activity if needed and contact information to- editors@torreypine.org.

Docent Society General Meeting-- October 9, 2010

by Secretary Bill Eckles; complete minutes in docent library.

President Rick Vogel called the meeting to order at 10:50 am and offered thanks to James Nieh for a stimulating and interesting presentation on "The Hidden Lives and Language of Bees."

Docent of the Month for October is **Jim Cassell**.



Photo by Herb Knufken

The announcement was greeted with rousing applause. Jim made note he would soon cross the 90-year-old threshold and seems not to have slowed down. **Barbara Wallach** read a letter from a group that Jim recently led on a walk that expressed gratitude and admiration. Thank you Jim, for your tremendous service.

Tom Polakiewicz announced the committee-nominated slate for Board membership in 2011. It will be finalized at next month's meeting. Anyone interested in a position, particularly leading the Children's Program, please advise Tom asap.

President's Report: (Rick Vogel) Rick requested names for Docent of the Year for 2010 consideration. It is also time to recognize lifetime members. The requirements for lifetime membership are ten continuous years of active TPDS membership, and the

member must also apply. Do not hesitate to apply if you qualify.

Live Scan still needs to fingerprint some 88-92 docents. Members were admonished to please complete the process to avoid the need to cross check on a case by case basis and to be able to remain active docents. Vendor, Kirk Krikorian of Live Scan Del Mar is located in the Piazza Carmel Shopping Center near the Baskin Robbins ice cream store.

Rick reinforced the need to record docent hours as soon as possible. Also, please sign up for the December 1 field trip to the San Diego Archaeological Center.

The Guy Fleming Trail is closed on its south leg and will remain so for the duration of overlook construction and trail tread rehabilitation. The "fallen Torrey pine" that has acted as an entrance to the trail will be rotated 90 degrees to parallel the trail and still serve as a good photo opportunity.



Photo of "fallen Torrey pine" from Oct 17, 1991 LA Times/SD ed, courtesy of Barbara Wallach

Treasurer's Report: (Ken King) Ken reported strong Museum Shop sales. The San Diego Women's Foundation grant, shop sales and the Art in the Pines all helped our revenues this year.

Art in the Pines: **Cindy Wollaeger** and **Janice Barnard** will try to fix some glitches from last year's festival and improve on the positives of the event. They invited membership help on committee functions at the AITP.

Children's Program: (Tony Summers) Tony extolled the rewards of leading the program and invited a docent to

replace him. He is retiring for personal reasons.

Lodge Hosting: (Barbara McCardle) A smaller number of docents attended re-training sessions on Oct 10 and 11 than had been hoped. If you are hesitant about using the POS system, sign up to be the second docent on a lodge shift.

Museum Shop: (Nancy Woodworth) Nancy referred to the displayed array of holiday gift items. **Margaret Pluth** will coordinate the Christmas tree display this season and **Meg Donnelly** will teach a group in Origami.

Interpretive Trail Patrol: (Mike Pisor) The Guy Fleming Trail South Overlook is under repair and the construction area is truly dangerous, so do not violate the barricades and do not allow visitors to do so, either. Mike voiced the need for added help on weekend Trail Patrols.

Whacky Weeders: (Barbara Wallach for Steve Tarkington) Attention is currently focused on Razor Point trail.

Children's Program

by *Tony Summers*

Autumn is here and the children's program has picked up right where it was before the summer vacation. The Thursday and Friday program is fully subscribed for the year.

One of the first schools to visit the Reserve donated over \$100 to the program. The money is always useful, but knowing that people appreciate the program enough to make unsolicited donations gives the Docent Society a sense of pride that is worth even more.

The popularity of the program – indeed, the competition to participate – is another indicator of the quality and importance of the educational opportunity that the Docent Society makes available. To keep it going, we need docent participation at every session - usually six docents each program day. We welcome any docent who would like to participate. If you're not sure you can handle a group of ten or so elementary school children, come on any Thursday or Friday and accompany one of our docent group

leaders to see what it's like. You'll find it a rewarding experience.

Programs always begin with a presentation to the entire group in attendance. We have started using the new amplifying system with a cordless headset microphone to make the presenter's job a bit easier. The new system was provided by the Torrey Pines Association, and it is functioning so well that we have ordered a second wireless headset microphone so that two docents can jointly present a topic and both can have their hands free to handle charts, posters, puppets, chunks of sandstone, exhibits from the museum, or any other items that liven up the presentations.

It is going to be another great year! Please come and join us it will make the morning better for the children and for you!

Docents' Full Moon Hike Nov. 18

Join us for a rare opportunity to appreciate the stillness of the Reserve at night. A near full moon will illuminate the path for those who prefer to walk without using flashlights. The rangers will set out glowsticks to mark the worst hazards. You're also welcome to use a flashlight. Small, informal groups will set off down the trails starting at 5pm from the upper west parking lot. Please arrive promptly as the front gate will be locked by 5:15 pm.

Deck the Lodge with Boughs of Toyon!

by *Linda Zlotnik*

If you would like to help decorate the Lodge in advance of the holiday party or if you have greenery to contribute for others to use for decoration, meet at the Museum/Lodge on Saturday, December 4th from 10 am-noon. The freshman class of docents invites

your help! Please be sure that greenery you contribute has no seeds or other edible parts. We don't want to entice small creatures into the Lodge or release non-native seeds into the environment. Questions should be directed to **Linda Zlotnik**, representative for the Docent Class of 2010.

Two Nature Notes

(Reprinted from the April 1999 *Torreyana*)

#1-What Is a "Normal" Torrey Pine?

by *Vernie McGowan*

As a follow-up to the article in the January 1999 *Torreyana* concerning needles per bundle in witches' brooms and normal Torrey pines, John Carson and I sampled three small to medium size pines in the area of the two parking lots near the Lodge on March 5, 1999.

After choosing trees at random (but not those sampled by John) with branches low enough to reach, we selected several branches and tallied needle bundles growing on sub-branches at several locations from the trunk to the tips. While the number of trees sampled is still too small to draw any general conclusions, it is obvious that there is a greater variation in needles per bundle than we had expected to occur. Unusual (at least to us) variations in needles also were observed. Tree #2 had needles somewhat longer than those on nearby trees, and the needles were thicker and stiffer than others we've seen.

We would like to sample more trees, especially from different areas in the Reserve and possibly some of the island Torrey pines at the nearby cancer institute on North Torrey Pines Road.

A total of 636 needle bundles were counted in the three trees sampled. The results are summarized below where *N/B* denotes needles per bundle):

	<u>3N/B</u>	<u>4N/B</u>	<u>5N/B</u>
Tree #1 (15-18 ft. high)	7%	21%	72%
Tree #2 (30-35 ft. high)	30%	44%	26%
Tree #3 (30-35 ft. high)	4%	24%	71%

#2-Fog Drip in the Redwoods

by John Carson

The January 1999 *Torreyana* had a note about research on the role of fog in the redwoods. The journal article on this work is now available [1], and the results are summarized here because of their possible relevance to fog and the Torrey pine.

Dr. Todd Dawson (Cornell U.) conducted the research during 1992-94 at redwood sites between Arcata and Crescent City in Northern Calif. A key factor in the project is the isotopic composition of water sources: fog has a greater concentration of the heavier isotopes ^2H and ^{18}O relative to rain in the same region, which makes possible the evaluation of the roles of rain and fog for plants. Many measurements were made of water at 0.2 and 1.5 m below the soil surface, the xylem water in the main plant species, fog drip, and rainfall.

The main conclusions are:

- a) During the three-year project, one third of the annual water input to the plants was from fog drip off the redwoods.
- b) In areas with no redwoods, only one sixth of the water was fog drip, showing the importance of the redwoods as fog collectors.
- c) For the redwoods, most of the fog-derived water was from the root system and not through foliage absorption. This work provides quantitative support for the long held view that fog drip can be an important source of water for plants, including trees. But can these results be extended to the Torrey pines in the Reserve? My own opinion - and it's just that - is, probably not. The Torrey pines simply don't have sufficiently large surface areas for appreciable fog collection, and the fog here doesn't appear to be as dense or occur during as many months as in Northern California. As Hank Nicol pointed out in a letter to the *Torreyana* a few years ago, fog drip from the pines

PLEASE, DON'T FORGET TO SIGN UP FOR LODGE HOSTING. IF YOU HAVE TO CANCEL, PLEASE FIND A SUBSTITUTE OR INFORM BARBARA MCCARDLE AND IRENE LARRIMORE. See p 10.

never penetrates through the surface layer of needles and duff on the ground. Absorption of fog moisture through the needles is still a possibility that ought to be investigated.

1. Dawson, T.E., Fog in the California redwood forest: ecosystem inputs and use by plants, *Oecologia*, vol. 117, #4 (1998).

Note: My thanks to Maryruth Cox's husband, Charles, for obtaining a copy of this article for me.

Guy Fleming Trail Update

by Mike Pisor

The Guy Fleming Trail on the south side is now closed for replacement of the South Overlook. The trail will be closed from the start of the South Fork to about 100 feet past the South Overlook work site. The closure is anticipated to last at least until Nov. 22, 2010 - longer with unforeseen weather & construction issues. Maintenance is aware that having a portion of the trail closed is difficult for the public, docents and staff. But, for safety reasons, the South Fork Trail will remain closed until the project is finished. The cliff is extremely dangerous without a safe overlook in place to protect people from going too close to the sandstone cliff face where there is a 150 ft. drop off.

The North Fork of Guy Fleming trail is currently open past the North Overlook to about 100 ft. north of the South Overlook construction site. At that point, hikers are asked to turn around and retrace their steps back to the start of the trail. Please observe the trail closed signs.

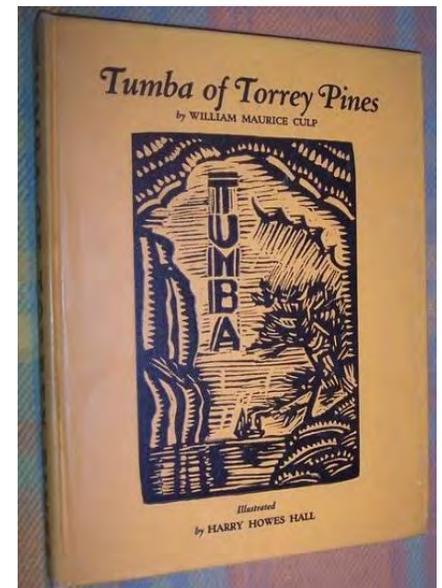
Docents qualified to do trail patrol are encouraged to frequent the Guy Fleming trail - even to the extent of parking themselves at the point of closure on the South Fork. We need to make every effort to keep hikers, joggers, etc. off the closed, unsafe portion of the Guy Fleming Trail.

HisTorrey: A thru Z; The letter T (Tumba of Torrey Pines)

by Judy Schulman

In the docent library there is a delightful book called *Tumba of Torrey Pines*. Written by children's literature author William Maurice Culp, it was published in 1931 by the Harr Wagner Publishing Company of San Francisco. This company specialized in publishing books about California history. The book is illustrated with 36 block prints drawn by Harry Howes Hall.

It is the story of Tumba the Elder telling Tumba the Younger the history of the area. In it the trees talk about the Native Americans in the area, missionaries, artists and movie stars. Recognize any of the artists and actors? And can you figure out the location of the two trees?



Tumba the Elder is very philosophical. In my favorite passage he says, "It is amazing how much you can hear and see and learn by staying in one place. I have stood here for 200 years and I have heard more great people talk, seen more noted lawyers, actresses, statesmen, Hindus, Chinese, South Sea Islanders and commoners from all the nations of the earth, than if I had traveled the wide world over. It is not true that you cannot be educated unless you travel. You can gain an education by observing that which comes to your doorstep."

In his preface, the author, Culp, thanks a number of people including Guy Fleming for his liberal aid in giving accurate scientific data. In 1995, I wrote retired State Park Ranger John Fleming (Guy Fleming's son) a letter asking him a number of questions about Torrey Pines. This is what he had to say about the author's visit:

"William Culp did come to Torrey Pines for a conference with my father in his office on the second floor of the Fleming residence. All writers were given a tour of the park as time permitted. . .one day Culp arrived. I did not meet him. It was a very short visit and a puzzle as to the purpose and object of the book. We discussed the author that evening over dinner and came to no conclusions. My father was quite surprised when he received the copy in 1931."



Torrey Pines State Natural Reserve and Everglades National Park: DIFFERENT RESOURCE- SAME STEWARDSHIP

by Moira Reagan, park aide

"Ma'am please don't pose your child for a picture with that big alligator," I said calmly to a visitor, "The reptile is a wild creature." It took a while to develop that professional calm. My first day on the job I saw a mom sitting her two-year-old next to an alligator for "a great picture." I ran across the trail yelling, "Lady what are you thinking? That alligator is alive!"

Deciding that I needed to challenge myself, I left Torrey Pines State Natural Reserve in October 2009 to work as a National Park Interpretative Ranger in the Everglades for a season. This natural resource could not have been more different from Torrey Pines, yet as time went by I found many similarities. Everglades National Park is 1.5 million acres of primarily freshwater prairie in the southern one-seventh of Florida sharing boundaries with the

Miccosukee Indian people. I was posted to one of the four park areas: Shark Valley, along the Tamiami Trail about 50 miles west of Miami, 70 miles east of Fort Myers - a river of saw-grass in the middle of nowhere. To understand the Everglades is to understand a pitched battle between man and nature. Unfortunately not a single skirmish in this over-hundred-year battle would be won by nature until the 1990s. Even then, special interest groups would delay the job of bringing nature's precious water back to the parched Everglades. Finally in 2010 construction began on a project that would require a mile of the Tamiami Trail to be raised and replaced with a bridge to allow for a greater volume and more natural movement of water to the water-deprived Everglades. From the early 1900's entrepreneurs like Disston, Broward and Collier saw the Everglades as one of the last places in America where a man could "tame" a real wilderness; "tame" being a euphemism for draining. Once drained, it would be a location for houses and growing sugar. Although many had endless dreams for draining the resource, it would take the great floods of 1928 and 1947 for the Army Corps of Engineers to build a dike around Lake Okeechobee ending its unique "sheet flow" water movement and over 2000 miles of levees and canals across the Everglades to keep the water contained. This massive Corps of Engineers project diverted in excess of a billion gallons of water a day from the Everglades, eventually leaving it with only 10% of the wildlife and 15% of the water that was once its lifeblood. By the mid-1950's man had "tamed" this delicate frontier.

Enter Women of Action: Although Ellen Browning Scripps was fashioning her vision for the Torrey pine almost 60 years before Marjory Stoneman Douglas would fashion hers for the Everglades, through creation of the Friends of the Everglades Society, no doubt both were women of action — stewards who saw the importance of looking beyond how a resource could

"serve" man. Both saw the importance of conserving beauty so it could be enjoyed for countless generations. A continent and several generations apart both are considered the saviors of our natural resources.

There are many distinctions between the two resources. However there are some things that just seem to apply. In both reserves invasive species wreak havoc on respective resources. Torrey Pines fights the invasive battle of the Hottentot fig, veldt grass and eucalyptus to name just a few. The Everglades battles the Australian Melaleuca, beach naupaka introduced to stabilize dunes and snake plant. Fortunately, both Torrey Pines and Everglades National Park have a contingent of volunteers who spend countless hours removing non-native vegetation. When it comes to creatures Torrey Pines battles the invasive Argentine ant. The invasive that haunts the Everglades is more than 200,000 non-native Burmese pythons

Wild birds enough to darken the sun. . .My last day of work at Torrey Pines in October 2009, I took a long walk. I observed the beauty of the great blue heron in the Peñasquitos Lagoon, the great egret fishing along the sandy shore north of Flat Rock, quarrelsome snowy egrets fighting amongst themselves and the white-faced ibis shoveling in the sand in search of small morsels of food. It was once said of the Everglades that the flocks of wild birds upon taking flight darkened the sun. Those days of millions of birds inhabiting the Everglades are long gone but, the great egret would hunt amongst the saw-grass, the quarrelsome snowy egret would vie for hunting spots close to a napping alligator. The ibis would hunt alongside the roseate spoonbill and one evening a stately four-foot-tall great blue heron stood on the bike trail. Before he departed he turned to show us the small wiggling reptile tail extending from his bill.



How the Torrey Pines Extension happened - Part 2 of 2

by Maryruth Cox

The Torrey Pines Extension campaign was promised \$900,000 from state park bonds, if matching funds were raised locally by June, 1970. However, in September 1969, only \$600,000 of the matching funds had been collected. Would it be possible to gather the rest of the money in time? Letters and checks from donors poured in from all over the country:

“I first saw those pines in 1921 when we puffed up that famous grade *en route* to San Diego from Corona. You had to have quite a car in those days to make that grade in high, as I recall. Those trees have always held romance for me, which has become more nostalgic with the passage of time. More importantly, they represent a tangible tie with the distant past, and are a vanishing species. I cannot afford very much at the moment, but want to be counted among those who tried.”

Lt. Col. Burchard M. Johnston,
Pacific Grove, CA

“This contribution is the result of an A.P. story today telling of your efforts. In 1919 (I wasn't yet 15) on a rented car trip from Beverley Hills to San Diego we went over the heights above La Jolla and a bobcat leaped across the road in front of the car opposite a Torrey pine that hung precariously over the cliff. I never forgot it. And I'll bet the gnarled tree is still there at the summit.”

Theodore B. Goetz, News Editor,
Westchester Rockland Newspaper
White Plains, NY.

Not only checks poured in, but also generous donations of land from owners in the proposed addition. George Pardee, developer of the adjacent Sea Point, gave 15 acres between Red Rock and Del Mar Hills in exchange for increased density in the Hills development.

Baldwin, developer of Sea Village, traded a knoll at the western edge of the Extension for a strip of land by the Sea Village tennis courts. The Anza chapter of the D.A.R. raised more than \$5000 to

build a memorial trail on the West Ridge.

And then, when the deadline came near, the federal government granted more than \$300,000. In truth, the purchase of the Extension was made not only by San Diegans, but also by the voters of California who passed the park bonds, and by the citizens of the whole country, who, with their taxes, made the acquisition possible. It was truly an expression of faith in the value of wilderness. Today in the Extension we enjoy the smell of the sage, the music of the sea wind in the pines, and the call of the quail because these donors cared.

In the midst of the campaign, Betty Green, secretary to the TPA, wrote:

“There will be a Book of Honor located at Torrey Pines Lodge which will list the donors-----”

The letters from contributors were carefully preserved in the Torrey Pines Historical Files. **A list of donors has now been compiled and will be available for inspection at the Lodge.**

A Green Lynx spider with a ball of young is at the south end of the Lodge parking lot. Fun to watch and photograph! This species does not spin webs but stalks and jumps on prey. *Photos by Don Grine*



Front view

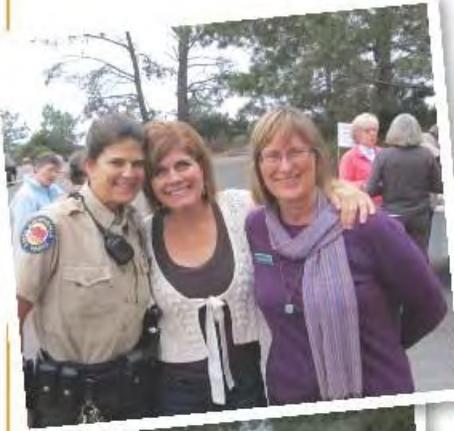


Side view

The Staff Appreciation Dinner on October 15th overflowed with great food, plenty of wonderful sweets and the opportunity for docents who may only see each other in passing between meetings and duties, to really get to visit. President Rick Vogel gladly welcomed our full complement of four (4) rangers. Hallelujah! He also thanked Diane Greening and Laura Lowenstein for helping to fill the void during the time of ranger shortages. (Photo collage on page 8)

Staff Appreciation Dinner 2010!

Thank you to our amazing Staff - You are so appreciated!



Photos by: Sharon Belknap Thompson



Long-billed Curlew eating (probably a sand crab): elapsed time is
 only 2 sec! Oct 24, 2010
Photo series by Don Grine

Torrey Pines Docent Society Bird Survey: October 2, 2010

<p><i>Number of species: 77</i></p> <p>Gadwall 15</p> <p>American Wigeon 6</p> <p>Mallard 5</p> <p>Blue-winged Teal 14</p> <p>Green-winged Teal 4</p> <p>California Quail 13</p> <p>Pied-billed Grebe 11</p> <p>Western Grebe 8</p> <p>Brown Pelican 62</p> <p>Brandt's Cormorant 10</p> <p>Double-crested Cormorant 11</p> <p>Great Blue Heron 2</p> <p>Great Egret 9</p> <p>Snowy Egret 5</p> <p>Osprey 2</p> <p>Northern Harrier 1</p> <p>Cooper's Hawk 5</p> <p>Red-tailed Hawk 3</p> <p>American Kestrel 5</p> <p>Peregrine Falcon 2</p> <p>Clapper Rail 2</p> <p>Sora 1</p>	<p>Common Moorhen 2</p> <p>Snowy Plover 35</p> <p>Killdeer 1</p> <p>Willet 21</p> <p>Whimbrel 2</p> <p>Long-billed Curlew 3</p> <p>Marbled Godwit 8</p> <p>Western Sandpiper 12</p> <p>Least Sandpiper 13</p> <p>Dunlin 2</p> <p>Bonaparte's Gull 4</p> <p>Heermann's Gull 60</p> <p>Ring-billed Gull 10</p> <p>Western Gull 94</p> <p>California Gull 6</p> <p>Forster's Tern 1</p> <p>Royal Tern 2</p> <p>large tern sp. 2</p> <p>Parasitic Jaeger 4 *</p> <p>alcid sp. 20 **</p> <p>Eurasian Collared-Dove 3</p> <p>Mourning Dove 24</p> <p>Vaux's Swift 3</p> <p>Anna's Hummingbird 20</p>	<p>Rufous/Allen's Hummingbird 1</p> <p>Belted Kingfisher 2</p> <p>Nuttall's Woodpecker 6</p> <p>Pacific-slope Flycatcher 1</p> <p>Black Phoebe 13</p> <p>Say's Phoebe 7</p> <p>Cassin's Kingbird 9</p> <p>Warbling Vireo 2</p> <p>Western Scrub-Jay 4</p> <p>American Crow 17</p> <p>Common Raven 13</p> <p>Bushtit 55</p> <p>Red-breasted Nuthatch 3</p> <p>Bewick's Wren 3</p> <p>House Wren 10</p> <p>Marsh Wren 4</p> <p>Blue-gray Gnatcatcher 1</p> <p>California Gnatcatcher 3</p> <p>Wrentit 27</p> <p>Northern Mockingbird 9</p> <p>California Thrasher 2</p> <p>European Starling 1</p> <p>Orange-crowned Warbler 4</p>	<p>Common Yellowthroat 6</p> <p>Spotted Towhee 11</p> <p>California Towhee 38</p> <p>Rufous-crowned Sparrow 1</p> <p>Savannah Sparrow (Belding's) 2</p> <p>Song Sparrow 22</p> <p>Red-winged Blackbird 31</p> <p>Brewer's Blackbird 4</p> <p>House Finch 114</p> <p>Lesser Goldfinch 4</p> <p>House Sparrow 1</p> <p><i>Observers:</i> Jack Friery, Gary Grantham, Will Cox, Herb Knufken, Marie del Re, Blair Francis, Frank Wong, and Anonymous</p>
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* Four individuals in a feeding frenzy almost to the horizon. Apparently harassing the gulls while on the wing, one individual showed a long streamer from the tail. All had white patches on the underwing. Three alit on the water for a fairly good view--showed black cap and yellowish throat and breast. They were smaller than the nearby Western Gulls.

** In a feeding frenzy most of the way to the horizon--a raft of smaller apparent alcids, possibly Xantus's Murrelets. Dark body, white throat and underside, about half the size of nearby Western Gulls.

Previous Bird Surveys may be found at torreypine.org/activities/bird-sightings.html



Torrey Pines Docent Society
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www.torreypine.org

November 2010 TPDS Visitor Center Hosting Calendar- Updated 10/28/10						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	L- M Lewis L-Heinemann	<i>Maids</i> L- Ivany L- Lombardi	L-Alper L- B&F Eckles	L- Fiorentino L- Woods	L- C&B Hornbeck L-King/McConnell	L- Blantz W-Sanseverino L- J Smith W-Geist
PDT to PST L-Schulman W- Killermann L-Schulman W- Kamen	L-B Hornbeck L-F Doolittle	L-Fiorentino L-Lombardi	L- Simon L- Woods	L- J Smith L- Woods	L- Blantz L- Martineau	2x hrs Meeting L- W-Burham L-Hartung/Geist W-Polakiewicz
L-Rowbottom W- Farness L- McCardle/Pola W-Fillius	L-Arnold L-Heinemann	<i>Maids</i> L Ivany L-B&F Eckles	L-M Lewis L- Woods	L- Griffith/Malm L- Isaacson	L- Alper L-Larrimore	L- McGee W-Sanseverino L- Hartung W-
L- Phillips W- L-Humphrey W-	L-Arnold L-F Doolittle	L-Alper L- D&A Paa	L-C&B Hornbeck L- Heinemann	2x hours L-J Smith W-Killermann L- W-	L- Burke L-Martineau	L- W- Geist L- W-
L- S&S Rose W- L- W- Brav	L-Arnold L-Larrimore	<i>Maids</i> L-Marshall L-Heinemann		Lodge Hours L- 10-1 L- 1-4	Walks Sat/Sun/Hol W 9:30 (Start 10:00) W 1:30 (Start 2:00)	

To sign up for an opening, call hosting docent (858 755-8219) to confirm the time & write your name in the Logbook. If you cannot do your shift, please try to find your own substitute by switching with another docent or using the short-notice list. Then call the hosting docent to make the change in the Logbook. **Coordinators:** Irene Larrimore & Barbara McCardle