

# TORREYANA

A newsletter for  
TORREY PINES  
STATE NATURAL  
RESERVE

Volume 13, Issue 4

July 2012

## The Flora of San Diego County and the Plant Atlas Project – a Scientific Endeavor to Better Understand our Flora

by Anna-Lena Malm

The invited speaker at the Docent General Meeting on June 9, 2012 was Layla Aeme Haines, Research Project Manager at the Botany Department at the San Diego Natural History Museum.

Layla gave a very thorough and interesting description of the San Diego County Plant Atlas Project, a project she has managed for seven years.

According to Layla, when it comes to biodiversity and floristic richness (i.e. number of species), San Diego County is the most diverse county in the contiguous United States. Over 2,500 plants have been documented (about 72% of those are native) and there are over 220 sensitive plant taxa. A number of threats to this rich, natural flora exist, however. Layla listed them as habitat loss through urbanization and agricultural development, habitat degradation through pollution, competition with invasive plant species, reproductive isolation, changes in fire regimes and lack of floristic knowledge and understanding (ignorance).

The San Diego County Plant Atlas is a project that documents the floristic diversity in the county through the

### Docent General Meeting Saturday, July 14<sup>th</sup> 9 a.m.

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

**Speaker:** Thomas A. Deméré,  
Ph.D.

Curator, Department of  
Paleontology

Director, Department of  
PaleoServices, San Diego  
Natural History Museum

Dr. Deméré's research focuses on the evolutionary history, geology and paleontology of our region. He has numerous publications in all of these fields.

**Program:** The focus of the talk will be on the fossils and ancient sedimentary environments preserved in the Eocene and Pleistocene strata of the Reserve. Dr. Deméré will bring fossil samples and possibly even the horn of a large mammal from the Pleistocene.

collection of plant specimens/vouchers that is housed in the San Diego Herbarium. The project relies on volunteers to do the collecting. Over 600 volunteers have been trained to date. The group is

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developing various internet resources such as online database searches and mapping. The database currently has about 45,000 verified specimens, among which are more than 350 new county records, about 10 new state records and two new taxa (an 8% increase in the flora). The project uses a grid system that can be downloaded from the Atlas website to the user's Google Earth, thus showing the distribution of plants in specific regions of the county. The ever-increasing information in the database is used to address topics like distribution (i.e. proof of occurrence of a plant), biogeographic patterns (i.e. trends among plant groups), species variability, diversity/richness (floristic assemblages) and improved taxonomic understanding.

(cont. on p. 3)

The **Torrey Pines Docent Society** publishes the *Torreyana* bi-monthly, edited by Anna-Lena Malm. On alternate months, the Society publishes the *Torrey Pinecone*, edited by Joan Simon. 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](mailto:Editors@torreypine.org).

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Extra newsletters are available in the Docent Library.

#### **TPSNR Staff:**

Supervising Ranger: Dylan Hardenbrook

Rangers: Kyle Knox, Mike Winterton, Lisa Urbach

Sr. Park Aides: Diane Greening (Interpreter),

Laura Lowenstein (Volunteer Coordinator)

Sr. Park Aide Ambassador: Louis Sands

Park Aide Ambassadors: Jake Mumma, Joy Inton

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Many thanks to Editor Anna-Lena Malm and the docents contributing to this newsletter and to faithful Team *Torreyana*. And thanks to Marian Casazza for mailing and distribution.

*Roger Isaacson*  
Publication Coordinator

## Message from the President

The first half of 2012 has been busy and productive. Foremost among our successes was the fabulous third annual Art in the Pines. We took a risk and expanded it to a two-day event, and the successful outcome exceeded our expectations. This is our major fundraiser, and it contributed \$10,000 to our Children's Program this year!

Speaking of the Children's Program, we had a surprise last month when our Senior Park Aide, **Laura Lowenstein**, announced that she was resigning her position as the Children's Program (CP) Staff Coordinator. For the last 8 years she has worked with the teachers and docents to create what is arguably our most important activity. Thanks for all your hard work over the years, Laura! We'll miss you! Fortunately, Laura will be around as the Volunteer Coordinator, reporting to Ranger Lisa Urbach. Thanks to all the CP docents as well. You are great team! We are in the process of selecting Laura's replacement.

Laura's resignation prompts us to rethink the role of the CP Staff Coordinator to see what improvements we can make. One of the issues we'll be discussing relates to CP training. There are interpretive techniques specifically for teaching kids, so we have some plans afoot to improve the way we train our excellent CP docents.

Another issue that's come up is expanding the number of children we teach each year. Even though we taught 3,700 children during this last school year, the demand greatly exceeds our current capacity. Using some of our funds to pay for more school buses isn't a problem, but where do we get the docents? Our latest class has stepped up admirably, but increasing the docent hours significantly isn't currently feasible.

In other doings around the Reserve, we had the honor of hosting walks and a reception for CALPA, the California League of Park Associations, at its annual meeting in April. Volunteer organizations from some 50 State Parks are members of CALPA, including the Torrey Pines Docent Society. Ruth Coleman, the Director of State Parks (who reports to Governor Brown), visited our beloved Reserve, walked our trails, and shared her views of what's happening in Sacramento. The budget outlook is bleak, but (so far at least) our Park is minimally impacted.

Since summer is our busiest season, please consider allocating some of your valuable volunteer hours in activities that interact with our visitors. Sharing your love of nature and the Reserve is fun, and our presence helps protect the place! Now that the Children's Program docents have recovered from their active school year, we hope to see them by the Map Board (where our temporary Trail Information Table is set up on sunny weekends), in the Lodge, or leading interpretive walks for the adults!

See you around the Reserve,

*Ken King*

President,  
Torrey Pines Docent Society

(cont. from p. 1)

The database can assist in studies of how invasive/non-native plants spread in a specific region and it has been used in correlational studies linking climate change to plant distribution. In addition, the database serves as an excellent educational tool.



California Poppy

Photo by Barbara Wallach

Layla presented several screen shots from the Plant Atlas website that illustrate how you can execute various queries in the database. I highly recommend you visit [sdplantatlas.org](http://sdplantatlas.org) and explore the website with its link to CalPhotos (photos of most of the plants). For those of us with smart phones, this is a great tool to have access to when out on the trail and unsure about the identity of a specific plant. I talked to Layla after her presentation and she mentioned that they are working on an application for our phones that will make it even easier to use the system in the future.

## TPDS General Meeting Notes

June 9, 2012

*Excerpted from notes of TPDS General Meeting taken by Joan Simon, substituting for Bill Eckles, Secretary. Complete notes in docent library.*

**Ken King**, President, called the meeting to order at 10:40 am following a presentation by Layla Aerne Hains from the San Diego Natural History Museum on the Flora of San Diego County and the Plant Atlas Project.

**Janie Killerman, Jeannie Smith** and **Linda Zlotnik** welcomed the 29

graduating members of the Class of 2012 as new docents in the Docent Society.

**Walt Desmond** introduced Nilay Shah, one of the TPDS winners from the San Diego Science and Engineering Fair, who presented his project on the Decomposition Rate of Polylactic Acid in Ocean Water. For more information about Nilay and his work, please go to the article in the June, 2012 *Pinecone*, pp. 6-7.

### President's Announcements:

**Linda Lawley** was named Docent of the Month for her work as a Lodge Host, a Whacky Weeder and especially as chair of refreshments for this year's training class.

Ken announced that:

- the proposal for a TIK (Trail Information Kiosk) is working its way through the State Parks system
- **Margaret Fillius** has received money to update the flower board on the front porch of the Lodge
- the Torrey Pines staff will now receive a 20% discount on purchases at the Museum Shop
- a color printer was purchased for the rangers
- a bench was donated for the library by new docent **Walt Burkhard** and
- a storage container will be purchased to hold Docent Society equipment, including items used for Art in the Pines. It will be placed at the north end of the North Parking Lot.

### Treasurer's Report: **Carolyn**

**Butterfield** reported that income for May was \$17,300, although expenses were \$19,000, which included **Ken King's** conference at Asilomar. However, net income for the year is \$14,000. The Museum shop posted their

best month in May, with \$6492 in sales. The final tally for Art in the Pines is a net of \$10,417.

**Torrey Pines Association (TPA):** Ken announced that the TPA was planning a hike in the Extension on June 23. Also, TPA's online newsletter will be sent out this week.

**CALPA: Rick Vogel** thanked the docents who participated in the event on May 17 at the Reserve for CALPA conference members. Next year's conference will be held in Sacramento. If anyone is interested in joining CALPA, the fee is \$15. Ken thanked Rick for his leadership role at the CALPA conference.

**Special Programs: Bob Doolittle** announced there will be a trip to Los Peñasquitos Canyon Preserve on July 25.

**Ranger Report:** Lisa Urbach reported that the Walmart in Oceanside was selling sky lanterns, airborne paper lanterns that are powered by candles. After protests from shoppers and fire officials, Walmart removed them from the shelves. Lisa reported seeing two being launched from the road in front of Torrey Pines State Beach and urged docents to be on the look-out for them. She also noted there was a report in the newspaper that the venom of rattlesnakes this year is more potent than usual. She ended her report by stating that LAZ will now honor the state disability pass, giving pass holders a 50% discount on the parking fee.

**Children's Program:** For **Laura Lowenstein's** report, please see the *Children's Program* article on page 4.

Ken announced that after 8 years, Laura will be resigning her paid position as Children's Program Coordinator. She will stay in her position until the end of summer. Ken thanked Laura profusely for all her inspirational and professional work and dedication and informed the group that the Docent Society is reviewing several candidates to fill her vacated position.



**Jim Cassell's Bird Houses:** **Barbara Wallach** reported that the silent auction of Jim Cassell's bird houses, which took place during the break, brought in \$1,200. All proceeds are going to the Docent Society.

**Communication:** Ken announced that **Lou Adamo** has developed a back-up system for credit card use whenever the internet goes out, which he hopes, and expects, will be less frequently.

**Book Club:** The book club will meet on June 12 at 2:30 pm at **Allison Howard's** home.

**Recycling and Whacky Weeders:** **Bob Doolittle** and **Lynne Small** each encouraged the new docents to join in their respective programs. Recycling meets on Mondays and Fridays; Whacky Weeders meets from 8:30 to 10:00 on Mondays.

Ken adjourned the meeting at 11:35 am.

## Children's Program

by Sue Randerson, Children's Program Director and Laura Lowenstein, Children's Program Coordinator

Heartfelt thanks to all the loyal and dedicated Children's Program docents who gave wonderful walks and presentations throughout this year. The

Jim Cassell and family  
*Photo by Herb Knufken*

letters from students and the smiles on their faces attest to the value of what you have given them.

We had a wonderful turnout for our year-end wrap up session on June 8. There was a lively discussion with lots of ideas for the future. Afterwards we enjoyed each other's food and company at a delicious potluck lunch.

Laura shared statistics from her annual report. A total of 3,699 children from 46 schools participated in the Children's Program this year, coming on 66 days (which is almost every Thursday and Friday from the end of September through May). The grade levels ranged from 2<sup>nd</sup> to 5<sup>th</sup> grade, with most of the classes being 3<sup>rd</sup> grade. The Native American topic was the most popular, as usual, chosen 33 times. The Reserve, Plants & Habitats and Ecosystems & Food Chains topics were each chosen 12 times, Geology eight times, and Oceans, Whales and Dolphins only once.

27 bus grants were given to schools that could not afford the bus fee, an increase from 18 last year. Many thanks to Lodge Hosting docents, volunteers for Art in the Pines and Special Walks leaders as the income from these activities makes possible the bus grants,



*Photo by Herb Knufken*

### Docent of the Month

The Docent of the Month is **Linda Lawley** from the Class of 2011. Linda says:

"I became a docent after I started working with the Whacky Weeders in the summer of 2010. I like working outside, and it is so pleasant to work with a group of like-minded people in such a beautiful location. I enjoy working at the Lodge and I plan to do more Trail Patrol in addition to the weeding. I also enjoyed working at Art in the Pines and hope to help with that again next year. There are so many talented docents at Torrey Pines!

Organizing the refreshments for the past year's training sessions was pretty easy because so many of my classmates were so generous with their time and effort and fantastic food. Thank you all!"

which come from Docent Society funds.

We are looking forward to two training sessions for this summer, when there are no formal school groups. On Thursday, July 12, we will meet at 9:00 am in front of the Lodge when, by popular request, **Barbara Wallach** and **Kathy Dickey** will lead an insect/bird

hike. All Children's Program docents and also new docents and others interested in becoming Children's Program docents are warmly invited. For more information, please contact Laura or me.

Our August session will be a field trip. On Friday, August 10, at 9:00 am, we are planning a hike on the Southeast side of San Elijo Lagoon, east of the

freeway. Stay tuned for further information.

It was with great sadness that we received the news that Laura is resigning as Children's Program Staff Coordinator. She has provided incredible support for the Children's Program and its docents for 8 years. She has interfaced with teachers, schools and buses and has solved many unforeseen problems with her gift of

diplomacy and tact. Her conscientiousness and attention to detail have kept everything running smoothly...and we have loved her weekly updates! We will miss her greatly! But luckily she will continue as Volunteer Coordinator, and has graciously agreed to help with summer plans and school signups until her replacement is on board.

## phoTORREYgraphs

by Judy Schulman

Given that summer vacation is upon us, I thought this photo of beach parking during the late 1960s – early 1970s would be appropriate. The envelope these photos came in wasn't dated, but it did have the comment "Before beach parking became civilized."



### Docent Doings

July 12, 9 am, Children's Program - Hike  
(TP insects/birds)

July 25, 10 am, Los Peñasquitos Cyn - Excursion

Aug 10, 9 am, Children's Program - Field Trip  
(San Elijo)

Oct 10, 2 pm - Public walk in Extension

Go to the docent date list on Docent Login on [torreypine.org](http://torreypine.org) for latest event details.

Mondays, 8:30-10 am- Weeders

Tuesdays, 8:30-noon- Seabees

Send future event info to [editors@torreypine.org](mailto:editors@torreypine.org).

## Facts and Fancy about Torrey Pines SNR

by Anna-Lena Malm and Jack Friery

This is the third in an occasional series about the unique features of Torrey Pines SNR. You may use it to begin discussions with visitors to the Reserve – or even as an inspiration to write an article for the *Torreyana* or *Pinecone*. Suggestions about this series are welcome.

The answers are on page 8.

In and around Torrey Pines SNR, you may find:

1. The largest animal that has ever lived on earth
2. A plant the root of which is both food and soap
3. A dog relative with slit pupils like a cat
4. A plant that gives you a needle and thread
5. Mammals that live in a house (not humans)
6. A snake that eats rattlesnakes
7. A shrub that allegedly gave Hollywood its name
8. A shrub that's related to pancake flour
9. A butterfly that's sad
10. A bird that goes into near-hibernation every night

**CERTIFIED INTERPRETIVE GUIDE class offered August 6-9 at Old Town in San Diego!** This 32-hour workshop includes principles of interpretation, connecting with audiences and tailoring for diverse learning styles, interactive group activities, and emphasis on working with children in nature. The CIG is an internationally recognized professional certification offered by the National Association of Interpreters. More information at [interpnet.com/certification](http://interpnet.com/certification). Costs range from \$320 for current NAI members to \$375 for non-NAI members. For full registration information and questions contact Crystal De Soto, the NAI-Certified Trainer at [crystal@localpointofview.com](mailto:crystal@localpointofview.com), phone 619-537-9286.

## Getting the Trails Ready for Summer Visitors

Torrey Pines Docent Society's construction and maintenance group, the *Seabees*, are working hard to protect our precious Reserve by clearly marking the trails and informing the public to stay on the trail:

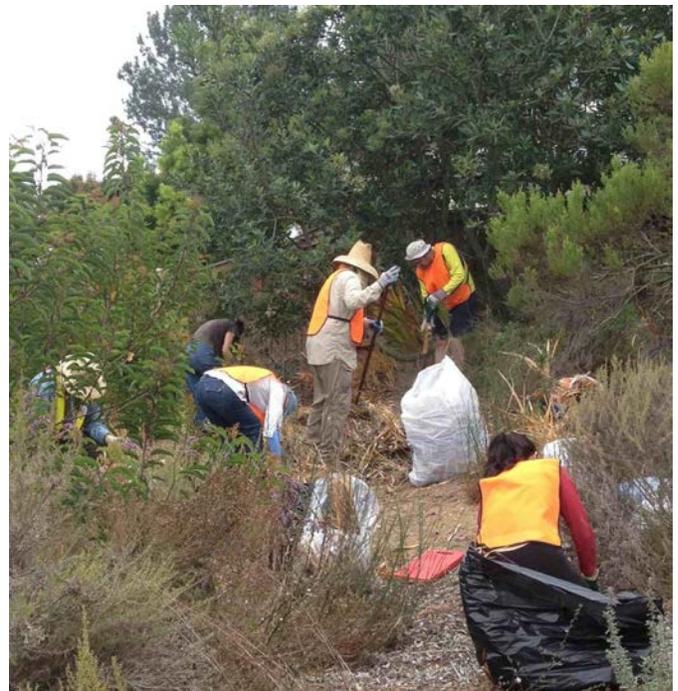


L-R: Frank Burham, Tina Kebow, Stu Smith, Isabet Yarrington, Steve Rose, Sei Jin Ko (V), David Marx (V) and Andre Batarseh  
Missing: David Woo and Photographer Wes Farmer (V is non-docent volunteer)

Another volunteer group staying very busy is the *Whacky Weeders*, making sure that non-native and invasive plants are removed from the Reserve:



Elaine Slack and Sumiko Nagamine removing *Carpobrotus* near the Guy Fleming Trail, southwest corner.



Removing invasives in the Extension at the north end of the Margaret Fleming Trail

## 2012 Docent Trainees Bring Training to a Wonderful Finale

by Jeannie Smith

Large photo by Herb Knufken

Saturday, June 2, the 2012 class of docent trainees brought training to a wonderful end by presenting to all their interpretations of nature along the trails of Torrey Pines State Natural Reserve. The class had been divided into five teams, each assigned a different portion of a trail, and asked to bring together all they had learned during their three months of training. All the teams did a beautiful job, incorporating their remarkable knowledge of geology, plants, insects and animals in words, pictures, poetry and song. One team had the whole audience singing along with ukulele accompaniment by new docent, **Hank Beck**. Pithy words were superimposed on images of the trail, a memorable way of illustrating the interaction of components of the natural world.

New docent, **Sara Mussen**, brought tears to the eyes of those assembled with her beautiful tribute quoted here: "...as I was preparing to talk to you about all of the wonderful things you can see and share with park visitors, Hank reminded us that the purpose of this presentation was to "integrate what we have learned and put it all in the big picture." In our training we have learned so many wonderful things about the nature, ecology, and history of this reserve. We have been shown many ways to showcase the natural wonders of this special place, and every detail - from the number of pine needles per fascicle on a Torrey pine to the many uses the Kumeyaay had for the Yucca plant - is an invaluable tool for us to



Front: Annette Ring, 2nd row: Joy Inton, Tina Kebow, Cheryl Einsele, Darby Lewis, Mary Hohmeyer, April Davis, 3rd row: Sara Mussen, Susan Bar, David Woo, Mary Friestedt, Maureen Buckley, Shelley Hammer, Walt Burkhard, Debby Sherman,

Back row: unidentified, Karen Lisi, Michael Crump, Allen McAfee (possibly), unidentified, Nancy Walters

use to educate and excite the public about this wonderful, unique place. But I think, perhaps, that one of the best of the "natural wonders" of this reserve is the docents themselves. With your knowledge, tireless dedication, and eager enthusiasm you give a face and a voice to this beautiful place that people can speak to, question, and come to know; and that, to me, is the most important thing about being a docent here at Torrey Pines.



Trainee Joy Inton (center) with Docent Trainers Linda Zlotnik and Jeannie Smith and Docents Steve Rose and Frank Burham.

Photo by Janie Killerman

We have the opportunity, the responsibility, and the privilege of introducing Torrey Pines State Natural

Reserve to others and with each person that we help to fall in love with this place we gain an ally in the fight to maintain and preserve it. I am humbled and happy to be joining such a wonderful group of people and am eager to dedicate my time to preserving this place that I have loved for as long as I can remember."

As if that was not enough, Sara then sang a cappella in beautiful voice a touching song by Pete Seeger, "...Guard well our human chain, Watch well you keep it strong, As long as sun does shine, And this our home, Keep pure and sweet and green..." I think there was not a dry eye in the place!

### Excursion to Los Peñasquitos Canyon Preserve on July 25, 2012

from Bob Doolittle

We will meet at the Adobe off Black Mountain Rd. The tour starts at 10 am. Anyone wishing to car-pool, ride, or caravan can meet me at the South Parking Lot. I will leave the South Parking Lot for the Adobe at 9:30 am.

## Answers to Quiz on Page 5:

1. Blue Whale, *Balaenoptera musculus*. These fantastic marine mammals reach lengths of up to 100 feet (30 meters) and weigh upwards of 200 tons (181 metric tons). According to Natural Geographic's website [animals.nationalgeographic.com/animals/mammals/blue-whale/](http://animals.nationalgeographic.com/animals/mammals/blue-whale/), their tongues alone can weigh as much as an elephant, and their hearts, as much as a car.
2. Mojave Yucca or Spanish Dagger, *Yucca schidigera*. The fibers of the Mojave Yucca leaves were used by Native Americans to make rope, sandals, and cloth. The flowers and fruit could be eaten and the black seeds were ground into flour. The roots were used to make soap.
3. Gray Fox, *Urocyon cinereoargenteus*. The Gray Fox is the dominant fox in the Pacific States. In addition to having slit pupils like a cat, it also climbs trees like a cat. It is monogamous and the family unit remains together until the young reach sexual maturity, after which the young disperse.



Gray Fox (Photo from US Fish and Wildlife Service, National Digital Library)

4. Again – Mojave Yucca, *Yucca schidigera*. Please see the answer for question #2.
5. Wood Rat, *Neotoma lepida*. The Desert Wood Rat is a gray-brown, medium sized rat that occurs abundantly in desert scrub, coastal sage scrub, and chaparral habitats throughout Southwestern USA. There are 31 races of Desert Wood Rat. The local race of the Desert Wood Rat is the San Diego Desert Wood Rat (*N. l. intermedia*). For a video showing young wood rats, please go to [youtube.com/watch?v=W2g9VKxX7vc](http://youtube.com/watch?v=W2g9VKxX7vc).
6. California King Snake, *Lampropeltis getula californiae*. All king snakes are non-venomous. However, they are powerful constrictors and generally kill their prey through suffocation. The “king” in their name refers to their tendency to hunt and consume other snakes, including venomous rattlesnakes.

7. Toyon (California Holly), *Heteromeles arbutifolia*. Native to California, Toyon can be found in the Sierra Nevada foothills and in coastal ranges south to Baja California. It is an evergreen shrub or small tree that can reach 10 feet. It is multi-trunked with thick, leathery leaves that are 2-4 inches long and have bristly, pointed teeth on the edges. It blooms with large clusters of small white flowers in June and July. Clusters of bright red berries appear in November to January. Birds love the berries. The “berries” are actually very small “pomes,” a type of fruit which includes apples and pears.
8. Flattop Buckwheat, *Eriogonum fasciculatum* var. *polifolium*. Flattop Buckwheat is a low-growing perennial shrub commonly found in arid habitats in Southwestern USA. It reaches about one and a half feet in height, but spreads to two feet wide or more. It has small, dark-green leaves and gray stems. Flowers can be produced anytime of the year, but the predominant flower season is spring through summer. The ball-like clusters of white flowers are up to two inches wide. After blooming, the flower clusters turn a brown color and remain on the plant for a very long time.
9. Mourning Cloak, *Nymphalis antiopa antiopa*. The behavior of this species is interesting. The males exhibit "territoriality." When disturbed, the butterfly will fly away, returning in a minute or two to the same vicinity. In addition, Mourning Cloak adults show an instinctive attraction to high solitary objects that are suitable for perching. They don't do this because they are sad, but because they seem to like it.



Mourning Cloak (blog photo)

10. Hummingbird, family *Trochilidae*. To conserve energy while they sleep or when food is scarce, hummingbirds have the ability to go into a hibernation-like state (torpor) where their metabolic rate is slowed to 1/15th of its normal rate (See: [en.wikipedia.org/wiki/Hummingbird](http://en.wikipedia.org/wiki/Hummingbird) ).

## Watch out for the Snakes!!

As Ranger Lisa Urbach mentioned at the recent monthly meeting, rattlesnake venom is more potent this year. There are also more reported snakebites this season than in the past. For more information please visit [tinyurl.com/UTSanDiego-snakes](http://tinyurl.com/UTSanDiego-snakes) (and don't forget to wear closed shoes and long pants on the trails).

Darlene Martineau provided this picture. It was taken on June 5th by her husband, Doug Lappi, on the Flintkote Trail.



### Docent Shirts

from Jeanne Smith

We have a few leftovers from this year's shirt order. As of June 9, 2012 we have on hand men's long sleeve olive, L and XS and men's khaki short sleeve, L and XXL. Short sleeve shirts cost \$15, long sleeve shirts are \$18. If you are interested, please contact Jeannie Smith.

Please look at the Hosting Calendar on page 10 and see where you can help out, especially as a host or an extra host on weekends.

## Torrey Pines Docent Society Bird Survey: June 2, 2012

Number of species: 64

Brant 1	American Coot 4	Common Raven 11	California Towhee 19
Gadwall 15	Killdeer 2	Northern Rough-winged Swallow 26	Savannah Sparrow 10
Mallard 28	Ring-billed Gull 1	Barn Swallow 2	Song Sparrow 17
Ruddy Duck 1	Western Gull 5	Cliff Swallow 5	Black-headed Grosbeak 2
California Quail 12	California Gull 13	Bushtit 47	Red-winged Blackbird 17
Pied-billed Grebe 12	Caspian Tern 8	Bewick's Wren 6	Brown-headed Cowbird 1
Brandt's Cormorant 5	Common Murre 1	House Wren 6	House Finch 111
Double-crested Cormorant 6	Eurasian Collared-Dove 1	Marsh Wren 4	Lesser Goldfinch 38
Brown Pelican 46	Mourning Dove 16	California Gnatcatcher 2	American Goldfinch 4
Great Blue Heron 7	White-throated Swift 3	Wrentit 19	House Sparrow 5
Great Egret 7	Anna's Hummingbird 17	Northern Mockingbird 3	<b>Observers:</b> Frank Wong,
Snowy Egret 9	Allen's Hummingbird 1	California Thrasher 8	Blair Francis, Eva Armi, Jack
Black-crowned Night-Heron 6	Nuttall's Woodpecker 8	European Starling 3	Friery, Kathy Dickey, Gary
White-tailed Kite 5	Black Phoebe 12	Orange-crowned Warbler 1	Grantham, Herb Knufken,
Red-tailed Hawk 1	Ash-throated Flycatcher 3	Common Yellowthroat 13	and Anonymous
American Kestrel 3	Cassin's Kingbird 2	Yellow Warbler 1	
Peregrine Falcon 4	Western Kingbird 1	Yellow-breasted Chat 4	
	Western Scrub-Jay 6	Spotted Towhee 39	
	American Crow 10		

Previous Bird Surveys may be found at [torreypine.org/activities/bird-sightings.html](http://torreypine.org/activities/bird-sightings.html)

Herb Knufken's amazing photo gallery may be found here: [pbase.com/herb1rm](http://pbase.com/herb1rm)



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### July 2012 TPDS Lodge Docent Hosting Calendar- Updated 6/28/12

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 L- W-Fillius L- W-King L-B Whitby	2 L-Arnold L- L-	3 L-Hroutas/Walk L-Phillips L-Dickey	4 L-J&L Adamo W-Geist L-Dewhurst W- L-	5 L-B Hornbeck L-Barnard L-Isaacson	6 L-B Hornbeck L-Humphrey L-Martineau	7 L- Geist W-Burham L- W- L-
8 L- W-Rowbottom L- W- L-	9 L-Arnold L-F Doolittle L-	<i>Maid</i> 10 L-Marshall L-Phillips L-	11 L-Colwell L-Dewhurst L-Barnard	12 L-Yehushua L-Simon L-	13 L-Burke L-Donnelly L-Martineau	<b>Meeting</b> 14 L- W-Brav L-B Doolittle W-Sheehan L-
15 L- W-Fillius L- W- L-	16 L-Yehushua L-Donnelly L-	17 L-Hroutas/Walk L-Phillips L-	18 L-Simon L-Barnard L-	19 L-Walker/Hrout L-Dewhurst L-	20 L-Schindler L-Humphrey L-S&S Rose	21 L-Marshall W-Burham L- W-Farness L-
22 L-Rowbottom W-Schindler L- W- L-	23 L-Arnold L-F Doolittle L-	<i>Maid</i> 24 L-M Lewis L-Ivany L-McCardle	25 L-Colwell L-Dewhurst L-Barnard	26 L-A Howard L-Griffiths/Malm L-Johnson/Justice	27 L-Burke L-Dickey L-	28 L-McGee W-Burham L- W-Sheehan L-Hartung
29 L-Schulman W-Fillius L-Schulman W-B Doolittle L-Torres	30 L-Arnold L-Donnelly L-	31 L-M Lewis L-Ivany L-	Lodge hosting hours: L- 9-12 L- 12-3 L- 3-6		Walks: W Sat/Sun/Hol 9:30 (Start 10:00) W Sat/Sun/Hol 1:30 (Start 2:00)	

To sign up for an opening, call the hosting docent (858-755-8219) to confirm the time and write your name in the Logbook. If you cannot do your session, 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 & Jan Lombardi