



TORREYANA

A NEWSLETTER FOR
TORREY PINES
STATE RESERVE

Volume 8, Issue 4

Online version July 2007

Docent Iris Geist Juggles Work, Family and Volunteering

By Barbara McCabe
Photos courtesy of Gail and Steve
Lowe of Greer, S.C.

Even though she has a full-time job and two young daughters, docent Iris Geist still finds time to volunteer at the Lodge and take visitors on nature walks through the Reserve.

“When I’m leading a walk, usually the whole family goes,” says Iris who moved to San Diego from Germany with her husband,

Christian, in 1999. “Or, I do Lodge Duty while the girls are taking their afternoon naps.”

Initially, Iris and her husband, who both work for software developer Hewlett-Packard, lived in an apartment in Carmel Valley. “One of the best things to do from there is to visit Torrey Pines,” she says, “so I caught the guided walks as often as I could to learn more about the place.” She was at the Reserve so often that one of the volunteers suggested she become a docent. In 2001, Iris completed the training and started spending much of her spare time at the Reserve. “In 2003, I managed to

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do over 250 hours which gave me the state-wide parking pass,” she boasts.

That all changed in February, 2004, when Iris gave birth to her first daughter, Sarah. “Being a new mom, volunteering was challenging – especially when I needed to nurse my baby while on Lodge Duty,” she recalls. “But the Rangers were very gracious and let me use their office for that. Changing diapers was easier, since the desk is nice and big.”

When her youngest daughter, Sophia, was born, Iris continued to volunteer, bringing both of the children to the Reserve when necessary. “They are very good greeters,” says Iris of the times the children did Lodge Duty with her. “They made nearly everyone smile.”

Born on a farm near Bad Hersfeld, a small town northeast of Frankfurt, Iris was already familiar with Common Phacelia, a lavender-flowered plant that grows in the Reserve. (Continued on page 3)



The **Torrey Pines Docent Society** publishes the *Torreyana* bi-monthly. Items for publication may be submitted to Victoria Schaffer, victoria1906@roadrunner.com or left in the *Torreyana* mailbox at the Lodge. In alternate months, TPDS publishes the *Torrey Pinecone*, edited by Sharon Clay Rose. The *Pinecone* includes the monthly duty calendar, announcements and information concerning membership meetings. Items for publication in the *Pinecone* should be e-mailed to clayrose@roadrunner.com. Submissions for either publication are due on or about the 20th day of the preceding month.

Please send postal address changes to:
Torrey Pines Docent Society
P.O. Box 2414, Del Mar, CA 92014
Attn: Walt Desmond or Email changes to
w.desmond@sbcglobal.net
Web sites:

TPDS www.torreypinesreserve.org

TPA www.torreypines.org

Visitor Center phone **858.755.2063**

TPDS Board Members:

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Dirs. of Duty Coordination, Lillian Lachicotte
& Irene Larrimore

Extra newsletters are available in the Docent Library.

TPSR Staff:

Supervising Ranger:

Jody Kummer jkummer@parks.ca.gov

Rangers: Kyle Knox and Mike Winterton

Park Aides: Larry Adelson, Jamie Burton (Sr),

Kate Cochran, Klye Connor, Diane Greening

(Sr), Carol Martin, Andrew Rowan, Louis

Sands (Sr), Erika Weikel

Torrey Pines Docent Society

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Many thanks to the docents contributing to this newsletter and to Senior Editor Victoria Schaffer and Copy Editor Walt Desmond. Many thanks to Vernie McGowan for mailing and distribution.

Roger Isaacson

Director of Communications

From the President

While I generally like to focus on the exciting and upbeat events and developments at the Reserve, I think it is important at this point to reflect on some of the challenges facing both the Reserve and the Society. As we enter the busiest time of the year at Torrey Pines, there are a number of critical issues looming over our cherished Reserve. Historically we as a Society have tended to concentrate on the service aspects of our mission: leading walks, staffing the Lodge, helping with the Children's Program and removing the dreaded non-native invasives. On occasion we have collectively spoken up when some issue has threatened the Reserve or the Torrey pines, the Santa Rosa Island issue is the most recent example of this. As with the seasons, however, things are changing. Budgetary cuts and encroaching development are posing new threats to both the ambience of the Reserve as well as its very existence. I believe it is now time to take a more proactive role in defending this unique habitat. I do not propose changing the nature or focus of our mission to educate and interpret; rather I suggest that we expand the scope of this mission to include interpreting the threats to our Reserve and educating the public on how to prevent the potential harm.

In particular, we need speak out against the proposed San Onofre Toll Road which is intended to connect the terminus of the 241 Toll Road to Interstate 5. Construction of this road would effectively destroy San Onofre State Beach Park. Importantly to us at the Reserve, it would also create a precedent for the removal of sites from the California State Park system for non-park uses. In the same vein, SDG&E's Sunrise Powerlink would convert park land in Anza Borrego to non-recreational use. Not only would the plan degrade the habitat, it would also provide another precedent for the seizure of park or reserve land for incompatible purposes. Closer to home, the DPR is considering a concession stand at the North Beach Parking Lot from next summer. A permit application by the concessionaire is currently before the Coastal Commission for action at its August meeting. Given the severe budget cuts suffered by the Department, it is understandable that additional sources of revenue will be pursued. Nonetheless, the presence of a mobile food stand could alter the character of the Reserve. We as a Cooperative Association should have input in this weighty decision, especially as it follows on the permit for cabanas on the beach this summer and next. Finally, we need to continue our efforts to reverse the pernicious attempt to allow the hunting on Santa Rosa Island.

I ask all our members to consider these issues carefully and will propose resolutions on each at both our July 18 Executive Board meeting and at our July 21 General Meeting. I look forward to a robust discussion in the coming weeks.

Thank you all for your dedication and hard work. See you around the Reserve!

Steve Usher

President, Torrey Pines Docent Society

(Continued from page 1)

“The farmers in Germany used it in plant rotation to help put nitrogen back in the soil,” she explained to visitors Steve and Gail Lowe of Greer, S.C., as she led them on a leisurely walk along the Guy Fleming Trail one Saturday afternoon in early May.

While talking to the Lowes about the beautiful display of bright orange-yellow California Poppy flowers in bloom along the ocean bluffs, a Peregrine falcon soared low overhead, as if trying to get a closer look.



California Poppies

The raptor’s colorful markings enabled Iris to identify it as a male. “At 200 m.p.h., they are the fastest bird going down,” she noted of the falcon’s ability to swoop down on his prey.

Making their way onto the shadier, north side of the trail and its canopy of thick chaparral, Iris explained why it was necessary for cowboys to wear leather coverings or “chaps” over their legs when riding through the dense brush. “Scrub oak makes up a lot of the chaparral,” she says, asking her visitors to feel its sharp, prickly leaves. “If you were just wearing plain pants, ouch! It would tear up your legs. That’s why they wore ‘chaps.’”

Iris admits that it is a challenge to juggle work, family and volunteering, but she treasures the time she spends at the Reserve because it gives her a chance to unwind at the end of the week. “Being at Torrey Pines is very relaxing to me because it so totally opposite of what I do at work all day,” says Iris who now lives on Peñasquitos Canyon in Mira Mesa, “and it gives me strength for the next week, just having had that relaxing time.”

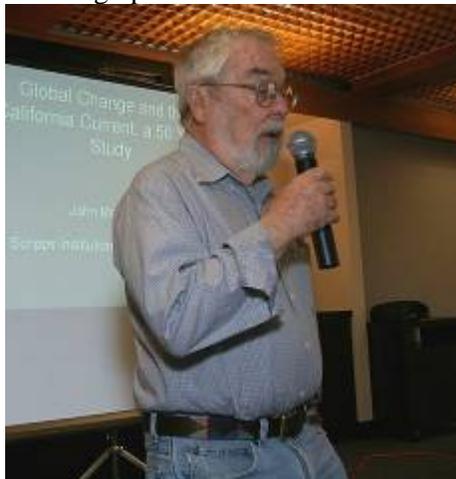
Our Warming-up Planet: the Science of it

By Victoria Schaffer

Photo by Herb Knufken

TPDS Board VP Tom Polakiewicz introduced our July speaker, Dr. John A. McGowan. John received a Ph.D. in oceanography from the Scripps Institution of Oceanography, University of California, San Diego. John has served as marine biologist for the Trust Territories of the Pacific Islands, as member of the UNESCO Consultation Committee and as editor of the *Journal of Plankton Research*. John became a Professor of Biological Oceanography at Scripps in 1972. He is now a Professor Emeritus.

During his talk, “Global Warming and the California Current,” John introduced us to a large body of research data from the last 50 years, including results from his research and that from other Scripps scientists. He started us up with “So the earth is warming up? So what?”



The earth surface receives solar light and heat energy in the visible and infrared portions of the spectrum, and absorbs most of it. The earth surface also emits infrared energy back into space. Atmospheric nitrogen and oxygen are transparent to both visible and infrared radiation, and let both through. Water vapor, methane, and more importantly the longer-lasting carbon dioxide, let visible radiation through but trap infrared radiation

emitted by the earth surface, and thus are heat-trapping gases. This is the “natural greenhouse effect” that prevents the earth from being inhospitably cold, and is responsible for determining our planet’s climate. Sometime during industrialization, things took a bad turn.

The close connection between industrialization, carbon dioxide production, and climate change, was recognized by the Swedish chemist Svante Arrhenius in the late 1800s. Scientists believed at the time, however, that carbon dioxide buildup in the air would be extremely slow because increased absorption by the oceans would take care of excess production. Evidence of atmospheric carbon dioxide accumulation and correlated global temperature increases has been gathered from several sources over the last 40 years, starting at the time global consumption of fossil fuels accelerated.

Plankton Foraminifera utilize carbon dioxide to synthesize calcium carbonate for their shells; dead shells accumulate as ocean sediment. Different Foraminifera species thrive at different temperatures, and valuable information about ocean temperature is obtained through counts of different species’ prevalence in ocean sediment samples.

Ice-core samples from the Antarctic and Greenland allow studies of events over the past 600,000 years: dating and temperature records are obtained from ice isotopic studies, and atmospheric components from analysis of trapped air bubbles. Results show that the earth is now almost as warm as it has been at any point in 420,000 years, and that periodic temperature spikes parallel carbon dioxide peaks.

In the mid-1950s Charles David Keeling, who came to Scripps from Caltech, devised a precise method of measuring atmospheric carbon dioxide. In 1959, Keeling persuaded the U.S. Weather Bureau to use his method at its Mauna Loa observatory. Atmospheric carbon dioxide has been

(Continued on page 4)

(Continued from page 3)
monitored continuously ever since. The results are known at the "Keeling Curve." Northern Hemisphere yearly levels are low in the summer when trees use carbon dioxide in photosynthesis, and peak in the winter when trees go dormant. The mean concentration curve tilts strikingly upwards, showing carbon dioxide levels steadily rising over time. Based on the rate of carbon dioxide buildup, it is predicted to almost double pre-industrial levels by the middle of this century. This is more than 2000 years ahead of what was predicted by Arrhenius.

Scripps' Roger Revelle and Hans E. Suess published evidence in 1960 that increased carbon dioxide production is not being compensated by increased ocean absorption. With yearly temperature records from 1800 to 2000, a correlation between atmospheric carbon dioxide buildup and global temperature increase is now well established. A correlation with increased fossil fuels consumption is also evident.

Regarding the California Current, its study helps detect changes in ocean biology. Water temperature measurements in daily samples off the Scripps pier show good correlation with data collected at the Mauna Loa observatory, and with other reported global changes. The ocean heat content and its stratification have been altered, and the thickening warmer layer on the surface interferes with the nutrients reaching the plankton. A decrease in plankton, with decrease in seabirds and also implications for the fishing industry, can be related to temperature increases.

John's presentation was chock-full of numbers and graphs and research data that support the conclusion that global warming is a global emergency and not a natural process. John avoided going crazy with the numbers, however, and his approach was instead quite witty and engaging. For all of that, we were thankful.

Docent Chronicles

June 07

Next General Meeting

July 21, 2007 9 a.m.

National University just across the highway from the Torrey Pines Golf Course (15 min walk from the Visitor Center)
11255 North Torrey Pines Road.

Program: Members of the new Docent Class of 2007 will present essays and findings on their Torrey Pines trail experiences. The trails explored are Broken Hill, Red Butte, the western Marsh Trail, and the Guy Fleming Trail.

Highlights from the June General Meeting

Excerpted from Judy Schulman's minutes of the June 16, 2007, meeting. Copies of the complete minutes are archived in the Library.

Docent of the Month: Jeff Spivak, noted

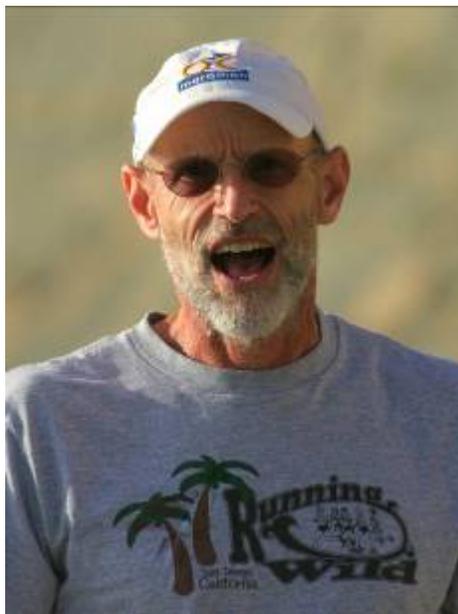


Photo by Herb Knufken
for his 2 years of excellent work on the Training Program.

Sad News: Lifetime member Arnie Shaw died last week. A card was sent on the Board's behalf.

Ranger's Report: Supervising Ranger Jody Kummer thanked the Class of 2007, Jeff Spivak and Jeannie Smith, the trainers, and the walk leaders. Darren Smith will do a planting at Flintkote Road and needs volunteers. There was a suicide on the High Point Trail last Monday. Docents who come across any emergency are instructed to call the Lodge first, then 911. Docents answering such calls are instructed to get a cell phone # to contact caller for exact location and other important information. The Beach Trail work should be completed by the 29th. LifeScan has been postponed until September. The organic food concession for the North Beach parking lot, a 2-year temporary program, is anticipated to be on the August calendar for the Coastal Commission. Due to concerns about how it will affect an environmentally sensitive area, the Board will study the issue and make a presentation.

Treasurer's Report: (Priscilla Lewis): The first 5 months of 2007 ended with an income of \$31,000 (\$16,000 from the bookstore, \$4,000 from special walks, \$3,000 from donations and the remainder from a variety of other sources.) We spent \$29,000 in the same time period, resulting in a \$2,000 cash flow.

Communications Report: (Roger Isaacson): There is a new laptop for docent use. Please keep writing articles for the *Torreyana*.

Children's Program: (Cecily Goode): The season ended on May 25. There was a wrap-up and potluck on June 8. Ongoing summer training: program on overcoming shyness in presentations by Diane Greening on July 12, training on trail tips on August 10, looking at the props in September. New docents are invited to join the Program.

Duty: (Lillian Lachicotte): There are many open slots in July. Please sign up. Look through the Lodge Manual information during slow times during your shift. Lillian will update the Emergency Procedure section.

Trail Patrol: (Sherry Doolittle): Patches and buttons are available for

those who need them. Contact Alan Bennett if you need a vest and don't want to buy your own. There will be a new training session on July 30, time TBA. After entering hours in the Library computer, practice using the online beta version, and give feedback to Sherry or Alan.

Recycling: (Alan Bennett) The recycling program (plastics and aluminum) is up and working well. Volunteers are needed to help remove bags from containers. Lids should be removed and any liquids emptied out to prevent explosions during the recycling process. Help is needed on Mondays and Fridays.

Library: (Steve Rose) Judy Schulman donated a DVD about Torrey Pines State Reserve. Steve purchased two new books for the library: *Botany for Gardeners* and *The Early Ethnography of the Kumeyaay*.

Plein Air Festival (Tom Polakiewicz): Sponsored by the TPA and the Lodge at Torrey Pines, this event will be held September 19-22. Docent volunteers will be needed. 25-30 artists will be invited to paint in the Reserve, and their paintings exhibited at the hotel and auctioned off. 50% of the proceeds will go to the endowment. A \$5,000 TPA/TPDS award will go to one artist. We will have copyright use of the image for prints and cards.

Whacky Weeders: (Barbara Wallach) They meet on Mondays from 8:30-10 a.m. and Fridays from 9-11 a.m. They are currently working in the Extension, and will help Darren Smith with the Flintkote Road planting. Barbara has telescoping pointer magnets for sale for \$2.25. (See Update below)

Bookstore: (Nancy Woodworth) New docents were welcomed and asked to contact Nancy with questions/problems/suggestions for new items. Barbara thanked all docents who straighten and restock the bookstore

Santa Rosa Island Bill: (Tom Polakiewicz) Please send your letters directly to the bill sponsors or to

docent Sue Randerson to send them as a package.

Santa Rosa Island Trip: (Tom) The trip is September 15 through 19th. The \$575 cost includes transportation, food, and tips. Please call Tom or Susan Polakiewicz about questions or concerns.

Announcement

Wed, July 18th, 4-6 PM

Supervising Ranger Jody Kummer is planning a **Potluck on the Beach** near the South Beach Kiosk. Grilled hot-dogs and hamburgers will be available. Docents are welcome to bring a salad or dessert and drinks.

Trail Patrol Training July 30th:

As announced at the General Meeting on June 16th, there will be an opportunity for new docents (and those "older" docents who have thought about it in the past) to take Trail Patrol Training. The class will start at 9:00 a.m., on Monday, July 30th in the amphitheater area.



"Photo of the Year"-Why?, See pages 8-9. Photo by Herb Knufken

Whacky Weeders Update

By Barbara Wallach

June 17, 2007

We are delighted to have so many new docents join our e-mail list and hope that many will find time to join us. The Weeders do a variety of tasks in the Reserve: removing invasives, pruning along the trails, sweeping around the Lodge and parking lot, planting seedlings, watering, etc. As we work, we chat, share Reserve stories, experiences and sightings.

Monday (8:30 to 10:00 a.m.) is our usual day but we have added

Friday mornings (9:30 to 11:00) for those who prefer it. Please bring pruners, loppers, gloves, hat, water, etc. The Monday group has been working in the Extension pruning along the trails, and the Friday group works at the Reserve main entrance. Barbara Sullivan and Vernie McGowan will introduce you to the non-natives on Friday mornings.

On-line *Torreyana*

www.torreypinesreserve.org

or www.torreypine.org

Remember the Web version is in **color**. Just click on 'Torreyana'.

DON'T MISS DOCENT-ONLY INFO on Docent Home, found also at www.torreypine.org. Click on 'Docent Login' at the bottom of any page, enter the Username and Password from a recent Pinecone (or from Roger Isaacson via 'Contact' link).

Recycling Team is up and Running:

Many thanks to **Mike Gonzales, Alan Bennett, Stuart Smith, Kirsten Wilkes, Steve Rose, Marian Casazza, Ted Caragozian, and Steve Tarkington** for the successful launch of our Recycling Team on Monday, June 25th. Teams have been formed and we hope other docents will volunteer to help fill out the duty roster. We hope to have teams of two docents to make the weekly runs between the container recycling centers. The teams set their time and volunteer for a preferred week of the month. Complete training is provided.

We even have a "Recycle" button on the Docent Activity Report program, so it is quick, painless and yet one more way for you to get to the 96 hour service hours mark to be a "Full" docent and all the wonderful perks and glowing admiration of family and friends that it entails. Hopefully each team will just have one day a month. For the experienced team, it takes about 1-1/2 hours from start to finish.

Science & Engineering Fair Awardees

Awardee Julia Sherwood's project is classic nature science: exactly what I hope to find in projects for TPDS award, and right in line with our award criteria. This 7th grader from Our Lady of Grace Catholic School, El Cajon has won additional Professional Society awards from San Diego Audubon Society and the Zoological Society of San Diego. I am glad she offered us this masterful article.

Theo Tanalski

The Effects of Restored Habitat on Bird Species Diversity and Composition

By Julia Sherwood

One of the reasons I chose my project about habitat restoration, was because I like to be outdoors. I was familiar with birds, as I live close to large open spaces with native habitats. As I have grown up, I have taken many walks with my dad and we have become familiar with many of the bird species near our home. I decided I wanted to do science project that would let me be outdoors.



Julia presenting to docents at NU

Photo by Herb Knufken

My project focused on bird species diversity and composition between restored and native coastal sage scrub. I wanted to find out if bird species diversity and composition differed between the restored coastal sage scrub habitat and natural coastal sage scrub habitat. My hypothesis for the project was that if the restored habitat is successful, then the diversity and composition of bird species would be similar to those found in the natural habitat.

To begin with, I established a 100 meter transect at both the natural and restored coastal sage scrub habitat near the San Dieguito River Valley. On each transect, three points were made and flagged, and I spent time at each point on the transects during my trials. I conducted eight trials beginning in late November 2006 and ending in January 2007.

During the eight trials, observations were taken at the transect points of the total number and types of birds. All the birds I saw using the habitat and all the birds flying over the habitat were counted and written down in the field journal. My favorite birds included the California Gnatcatcher because of its call, Anna's Hummingbird because of its fluorescent color, and the Common Towhee because of its odd movements in the shrubs.

The results of my experiment showed that there was a range in the diversity and amount of bird species at the restored and natural habitats. Some birds were seen at each transect during every trial (Anna's Hummingbird) while others were seen at only a few of the trials (Bewick's Wren.) At the restored habitat, there was a total of 106 birds observed with 15 different species, and at the

natural habitat there was a total of 145 birds observed consisting of 17 species.

I concluded that restored coastal sage scrub habitat, even after only 5 years, offers the same or even better opportunities for birds, than the older, more homogenous natural habitat. While there are other habitat characteristics that can affect bird usage (number and large shrubs for perching and nearby land uses), it appeared that restored coastal sage scrub, with its larger variety of coastal sage scrub plant species, can offer the same or even better values for birds as natural habitat. In fact, there were more sensitive species, such as the California Gnatcatcher and Bewick's Wren, seen in the restored habitat than in the natural habitat. My conclusion tends to support past research on restored and natural coastal sage scrub habitats, in that the restored coastal sage scrub habitat can be just as valuable to an ecosystem as the natural habitats and can also support endangered and sensitive bird species.

Awardee David Cohn III graduated from the 8th grade at the Rhoades School, Encinitas in June 2007. I asked David to write something for us, the TPDS, on the topic of "What I have learned in four years." His essay speaks for itself. High praise.

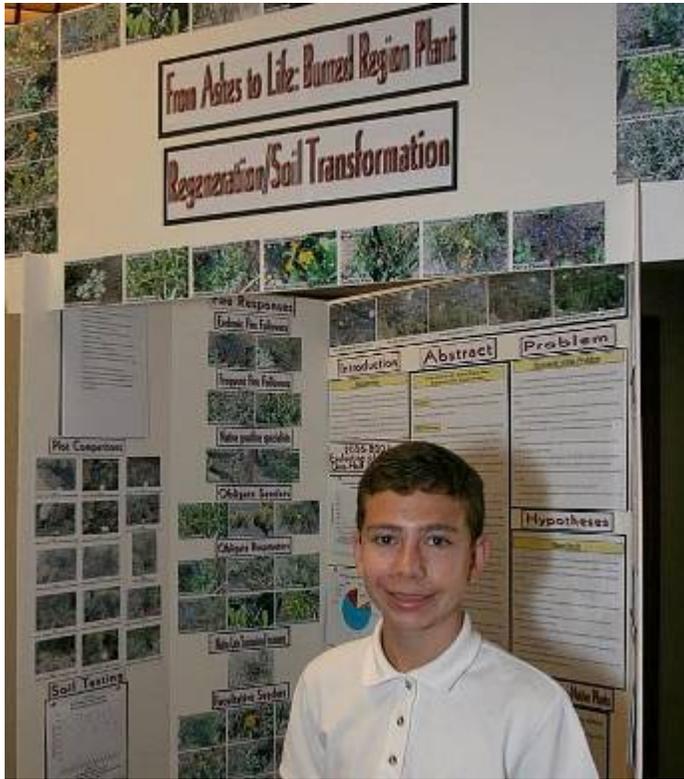
Theo Tanalski

Torrey Pines Essay

By David Cohn

My project, From Ashes to Life: Burned Region Plant Regeneration/Soil Transformation, is a three and a half year study of the chaparral recovery after the Cedar Fire. When the Cedar Fire struck San Diego County in October of 2003, I was an eleven year old who knew nothing about botany or wildfires. At that time, I was interested in activities like soccer, golf and swimming. Four years later, while I still enjoy playing sports, I have since developed a passion for native plants and the environment.

Little did I know that my project would also teach me some valuable lessons concerning life.



David presenting to docents at NU
Photo by Herb Knufken

During the summer of 2004, I asked my mother to purchase me a botany textbook. I then began to teach myself basic botany facts, such as, the difference between monocots and dicots, how a plant photosynthesizes, plant reproduction, soil nutrition and basic plant identification. I also studied the unique characteristics of chaparral plants and their importance to our Southern California ecosystems, as well as basic taxonomy and the effects of wildfires on chaparral. The following summer, I investigated the eight possible fire responses of chaparral plants. This past winter, I researched two commonly used statistical diversity indices: the Simpson's and Shannon Indexes and performed an in-depth analysis as to the diversity trends seen at my fire observation site. Surprisingly, I have discovered that our environment is always changing and evolving. Each year I have found something wonderfully new and different at my fire test site.

While this project involves fire and chaparral, through the course of this experiment, I have discovered much

about myself. One of the most important lessons that I have learned is the value of hard work. I know that hard work has enabled me to be successful at the County and State Science Fairs, as well as at the Discovery Channel Young Scientist Challenge. My mother tells me that her grandmother used to say, "Good things come to those who work hard." My great-grandmother was right! Through this project, I have also gained confidence in my

abilities and I continue to refine my public speaking skills.

I am now fifteen years old. As I look back on these last four years, I am amazed at how far I have come. I know so much more about the importance of caring for our environment. Also, when I began, I never imagined that I would end winning the Sweepstakes Award at the County Fair and Project of Year at the State Fair. While I have spent thousands of hours working on this project, the knowledge that I have gained has been well worth the hard work. I would encourage all young people to get involved and learn more about our precious environment and how we can preserve it for future generations.

Haiku

By Cindie Leonard (Class of 2007)

The Windswept Torrey Pine
Teach me, Torrey Pine.
Wind, sea, and uncertain soil.
You flourish. Despite.

Torrey Pines Extension Acquisition:

Another Installment in the Story

By Maryruth Cox

Photo by Roger Isaacson

"It truly is too good for any ONE landholder and should belong to all the people" wrote Olive S. Hanson in 1969 to the Extension campaign, enclosing her donation. She joined the ever-increasing number of supporters who contributed pennies, nickels, dimes, dollars, and thousands of dollars to a dream: to add the northernmost stand of native Torrey pines to the Reserve. When developers began to survey these pine-covered bluffs in the 1960s, the dreamers awoke to rude reality. It was now or never to save the Torrey pines from the bulldozers!

Hope surged when in 1966 the California State Legislature promised \$1.5 million for the acquisition. Alas, in the closing minutes of the 1966 session, this budget item was eliminated. Undaunted, the supporters pressed on.



Torrey Pines Extension

The public was aroused: "Let them start real estate developments and new cities on land that has no trees and then plant some." (Clare Carr, La Jolla.) "It has been our fondest dream over the years to have the land in our vicinity made a park, to protect the wildlife and natural vegetation and trees." (Ted and Helen Reed, Del Mar.) "I am making my small donation not so much to save a few trees but to help show that the individual can do something to preserve his

environment.” (Harvey Doerring, San Diego.)

Impressed by this grass-roots sentiment, Governor Reagan offered \$900,000 from state funds to buy the Extension, IF matching funds were raised privately by June, 1970. Was this possible? After years of campaigning the T.P.A. had about \$50,000 in the bank. How could a few earnest people accumulate \$850,000 more in the next three years? The T.P.A. decided on a vigorous approach: they hired a fund-raiser, Marilyn Shaw. They enlarged the Advisory Committee to include 14 prominent citizens.

The committee contacted the 13 landowners involved and by January 1969 announced three gifts of land. Pardee, a local developer, donated 15 acres of pine-covered bluffs between the Extension and Del Mar Hills in exchange for high density zoning in Del Mar Hills. In September 1969 Ed Butler, chairman of the campaign, wrote to W.P. Mott, director of State Parks: “All told, I compute our resources as follows:

- A \$200,000 gift from Wyer and Johnston, of eight acres at the south entrance to the extension, plus a right-of-way (now called Del Mar Scenic Parkway) from Carmel Valley Road.
- A \$150,000 gift of 15 acres from Pardee
- \$100,000 cash gift from Fletcher Company
- \$100,000 cash on hand from pledges and gifts
- \$50,000 in miscellaneous parcels to be donated.”

The total, \$600,000, still fell short of the \$900,000 goal. \$300,000 more had to be raised in the next 9 months in order to meet the state’s offer. Butler advised the T.P.A. to “hire a first-rate public-relations firm and embark on a full-scale campaign.” Donations

tumbled in. Tom Whitaker and others wrote 268 thank-you letters between September-December, 1969. By December \$60,000 more was in the bank. But still ---- \$240,000 more was needed by June, 1970, or the whole project would go down the drain.

We know the money was found in time. Today we wander freely on the magical paths of the Extension, an oasis of wilderness. How was it done? In a future article we will explore the last months of the campaign and its victorious conclusion.

Bee Attack Update

By *Don Grine*

In a recent *Torreyana*, I wrote about a bee attack in my yard. The colony shown here is about two feet 5 long, and about 50 feet from the one that got me before. If you visit, you will notice that my hedge by my drive is not well trimmed. If any of you want some bees for your flowers, you can have them free.



Photo by Don Grine

“It is our collective and individual responsibility to protect and nurture the global family, to support its weaker members and to preserve and tend to the environment in which we all live.”

Dalai Lama

Sent in by Annette Kettner, class of 2007, taken from the Sierra Club Web site on May 22, 2007.

Encounter: The Tree That Moved

By *Rhea Bridy*

Conspicuously
it was perched
on its grey-brown Torrey
search with its broad
brown feathery back
to Reserve road.

Mesmerizingly close
I was stunned
at my post
by its presence,
its morning majesty,
its auburn tail glory.

Disdainfully
it turned, not my
devotion to return,
but an imperial glance,
and end to my dance
and with warning.

Ed. Note: The “prize winning” photo on page 5 documents the arrival of the newly coated staircase, the last link for the long-awaited completion of the **Beach Trail**. Ribbon Cutting for the trail opening was scheduled for June 29th, 2007. Below are some of Herb’s photos taken June 27th:



For the Record

The Ruddy Shelducks: The TPDS Bird Survey for April 7-8, 2007, published in the May 2007 issue of the *Torreyana*, listed **Ruddy Shelduck * 3 (exotic)**

The explanation, below, of the term “exotic,” by David Blue, which accompanied the Bird Survey he sent us, was inadvertently omitted from that issue:

Attached is the TPDS Bird Survey for April 7-8, 2007. Possibly some of your readers won't be familiar with the term "exotic". If you want to print a definition, here's one from Wikipedia: "An exotic species is an organism that is not indigenous to a given place or area and instead has been accidentally or deliberately transported to this new location by human activity." This applies to the Ruddy Shelducks, which are kept at the La Jolla Beach and Tennis Club, and have either escaped or are allowed to fly free. They have occasionally been seen at Torrey Pines over the last five to ten years.

Torrey Pines Docent Society Bird Survey: June 2, 2007

Total of 62 species (unusual sightings shown with an asterisk and in italics)

Ducks & Geese

Ruddy Shelduck 2
Gadwall 21
Mallard 7

Quail

California Quail 48

Loons

*Common Loon** 2

Grebes

Pied-billed Grebe 6

Pelicans

Brown Pelican 206

Cormorants

Brandt's Cormorant 1

Double-crested

Cormorant 4

Herons & Egrets

Great Blue Heron 8

Great Egret 8

Snowy Egret 21

*Little Blue Heron** 1

Black-crowned Night-Heron 1

Hawks & Kites

Osprey 1
Cooper's Hawk 1
Red-tailed Hawk 7

Falcons

American Kestrel 1

Rails & Coots

American Coot 1

Gulls & Terns

California Gull 10

Western Gull 42

Caspian Tern 20

Forster's Tern 2

Elegant Tern 14

Pigeons & Doves

Rock Pigeon 6

Mourning Dove 23

Swifts

White-throated Swift 7

Hummingbirds

Anna's Hummingbird 24

Woodpeckers

Nuttall's Woodpecker 2

Tyrant Flycatchers

Black Phoebe 7
Ash-throated Flycatcher 7

Cassin's Kingbird 2

Vireos

*Warbling Vireo** 1

Jays and Crows

Western Scrub-Jay 9

American Crow 24

Common Raven 9

Swallows

Northern Rough-winged

Swallow 9

Cliff Swallow 6

Bushtits

Bushtit 14

Wrens

Bewick's Wren 7

House Wren 2

Marsh Wren 3

Wrentits

Wrentit 20

Mockingbirds &

Thrashers

Northern Mockingbird 4

California Thrasher 3

Starlings

European Starling 2

Silky-flycatchers

Phainopepla 3

Wood-Warblers

Common Yellowthroat

19

Yellow-breasted Chat 2

Towhees & Sparrows

Spotted Towhee 12

California Towhee 30

Belding's Savannah

Sparrow 18

Song Sparrow 14

Grosbeaks

Black-headed Grosbeak

2

Blackbirds

Red-winged Blackbird 22

Brewer's Blackbird 4

Brown-headed Cowbird 4

Hooded Oriole 3

Finches

House Finch 201

Lesser Goldfinch 55

American Goldfinch 5

Old World Sparrows

House Sparrow 2

Observers: Hank & Jane

Baele, Will Cox, Blair

Francis, Jack Friery,

Gary Grantham, Don

Grine, Herb Knufken

Previous months are posted on the TPSR Web site at www.torreypinesreserve.org
On the menu bar point to “**Activities**” and then click on “**Bird-sightings.**”

CHILDREN'S PROGRAM NOTES, JULY '07

[Ed note- This article was inadvertently left out of the mailed out version.]

Each week, after the docent-led children's walks, letters or cards come to the Reserve and are handed out to the respective docents. Here is a sample of a letter received in May:

"Dear Docent,

Thank you for spending your time with us that you didn't have to, but you did. The tour was fun. I couldn't believe that people made it up the hill by the ocean. I don't get it. It was funny I loved the smell. One smelled like mint, that was the best. Someone in my group touched the plant that if you did you might get a rash. But I don't think he got a rash."

A letter like this makes it all worth the time and effort that docents put into leading the hikes. We invite you to come and join us in September, when the Children's Program starts again.

There will be a training session at the Reserve on Thursday, July 12 at 9 a.m.

Diane Greening will help us with different ways of presenting any of the four topics that are covered during the school year. Please join us for some tips on overcoming presentation shyness.

Cecily Goode

Children's Program Director

July 2007 TPDS Visitor Center Duty Calendar- Updated 6/26/07						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 L- W- Bedinger L- Eckles W- Farness L- Anders	2 L- Arnold L- Doolittle L- Chen	3 L- A. Marshall L- Larrimore L- Sabella	4 L- Goode W- L- Tarkington W- Withall L-	5 L- Arnold L- Butterfield L-	6 L- L- Stiels L- Tanalski	7 L- Sabella W- Tanalski L- Reichert W- Hohman L- Reichert
8 L- Rowbottom W- Cassell L- Slack W- Stiegler L-	9 L- Fiorentino L- Boynton L- Knufken	10 L- P. Burke L- Ivany L- Heinemann	11 L- Fiorentino L- S. Krueger L- Hornbecks	12 L- J. Smith L- M. Lewis L-	13 L- Randolph L- Lombardi L-	14 L- Bedinger W- Tanalski L- Schumacher W- Spivak L-
15 L- Schofield W- Withall L- Geist W- Farness L-	16 L- Coram L- Lombardi L- Knufken	17 L- Fiorentino L- A. Marshall L- Woods	18 L- Grantham L- L- Woods	19 L- S. Krueger L- Larrimore L-	20 L- B. Krueger L- Lombardi L- Tanalski	21 L- W- Geist L- W- Hohman L-
22 L- Barnett W- Rowbottom L- J. Smith W- L-	23 L- Lombardi L- Lundstrom L- Criqui	24 L- Sabella L- Ivany L- S&S Rose	25 L- Richter L- Hornbecks L-	26 L- Coram L- Larrimore L-	27 L- Randolph L- L- Tanalski	28 L- Furness W- Tanalski L- Schumacher W- Stiegler L-
29 L- Schulman W- L- Schulman W- Brav L-	30 L- Gould L- Stiels L- McCardle	31 L- Burke L- A. Marshall L- Gould	Lodge Duty 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 docent on duty (858 755-2063) to confirm the time and write your name in the Calendar Logbook. If you cannot do your duty, please try to find your own substitute by switching with another docent or using the short-notice list. Then call the docent on duty to make the change in the Logbook. Duty Coordinators: Irene Larrimore (858 509-9604) & Lillian Lachicotte (858 481-6237)						