



TORREYANA

THE DOCENT NEWSLETTER FOR
TORREY PINES
STATE NATURAL RESERVE

Issue 453

April 2023

Want to Help Monitor the Coast?

It's a Snap!

by Dan Hammer

This winter's epic rains – along with record waves brought by huge swells from the North and South Pacific – have played havoc with California's coastline from Eureka to Imperial Beach. Though San Diego County has been spared the worst, the march of storms and waves have flooded roadways and scoured our beaches.



At the March TPDS meeting, Dr. Julia Fiedler of the Scripps Institution of Oceanography (SIO) Coastal Processes Group discussed the causes and impacts of coastal flooding and how scientists are studying the coasts in order to improve flood warnings and develop flood adaptation strategies for coastal communities. This work is increasingly critical for California: By 2100, our state's once-rare "flooding days" (i.e., days with a potential for flooding) will occur almost daily – with or without waves.

Lodge Centennial Celebration

Date: Saturday, April 8, 2023: 10 am to 2 pm

Location: TPSNR Visitor Center

Note: There will be no General Meeting in April.

Bring your family and friends to help celebrate the 100th anniversary of our historic adobe Lodge. The centennial events, planned in partnership by the TPC and TPDS, will include: an old car parade; presentations and proclamations by VIPs and elected officials; photographs, exhibits, and docents in costume; ranger talks, Lodge tours, and guided nature walks; activities for kids, including a sketching class; a ceremonial cake; and more!

Parking will be at the north and south beach lots with vans transporting visitors to the top of the Reserve, starting about 9:30 a.m. Docent Volunteer parking will be just south of the TIK lot on the park road.

For more information, contact **Donna Close** or **Matt Xavier**.

For the past two decades, SIO oceanographers have used a variety of sophisticated, highly technical research vehicles and devices to make baseline observations of the beach – including its width, pitch (steepness), and composition (e.g., sand and cobble) – and track changes to the shoreline caused by storms, wave action, rising sea levels, human activities, and other factors. Now a relatively simple device is enabling "citizen scientists" like us to augment this research and expand it around the globe.

Inside

It's a Snap	1-3
Meeting Minutes	3-4
Children's Program	4
CEED Event	4
Docent of the Month	4
First Woman Park Aide	4-5
TP Book Club	5
Lodge History 4	5
A San Diego Connection	6
LJ Half Marathon	7
What's Blooming	7-8
Bird Survey	8

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Editors@torreypine.org.

Please send postal/
email address changes to:

Torrey Pines Docent Society
1155 Camino Del Mar #404
Del Mar, CA 92014

Attn: Membership or email to

Membership@torreypine.org

Web sites:

TP Docent Society: torreypine.org

TP Conservancy: torreypines.org

Visitor Center phone: **858.755.2063**

TPDS Executive Board Members:

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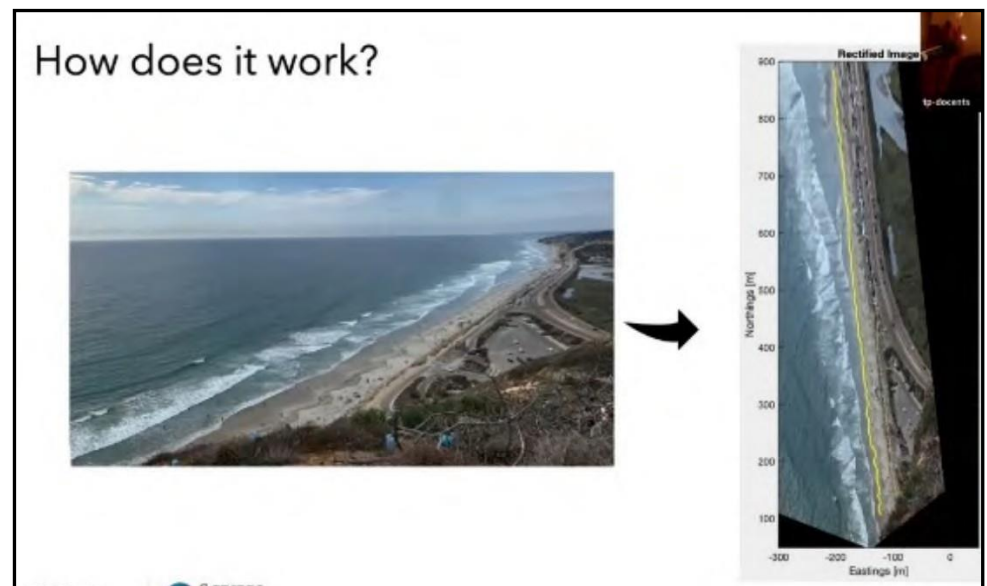
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**FLASH - Don't forget to donate
your ZooNooz magazines to the
Museum Shop.**

CoastSnap is a global citizen science project to capture our changing coastlines. It relies on repeat photos at the same location and position to track how the coast is changing over time. By using a fixed stainless-steel cradle to position each citizen photographer's smartphone in a consistent location and orientation, CoastSnap enables researchers to pinpoint beach locations from citizen snaps with an accuracy similar to that of their own coastal surveys.



Scientists then use these detailed photos (sometimes just a single, greatly enlarged pixel) to create maps that can be compared to show how the coastline changes over time.



Established in 2017 at Australia's University of Sydney, CoastSnap has set up photo cradles at more than 200 locations around the world, including three in San Diego: at SIO, on Marine Street in La Jolla (where our **Ken King** is "snapper-in chief"), and at the North Overlook on the Guy Fleming Trail.

The CoastSnap cradle is easy to use: just park your phone, take some photos, and use the CoastSnap app or the QR code on the cradle to submit your snaps.



Even this tech-challenged citizen had no difficulties, and the reward – the satisfaction of contributing to the study of our changing coastline – was immediate.

So come on down and take some snaps!

If you missed Dr. Fiedler's presentation, you can watch it [here](#). For more information on the global CoastSnap project, visit www.coastsnap.com. To see the Coastal Processes Group's photo database and flood photo submission form, [click here](#).

General Meeting Minutes: March 11, 2023

Prior to the meeting, Louis Sands had VIP parking passes for those with 2022 issues. The printed docent 2023 membership roster and General Meeting passes for St. Peter's Church were available, as was coffee/tea, which were much appreciated on this misty morning.

The Meeting was called to order by President Matt Xavier at 9:04 am.

71 docents attended in person. The meeting was recorded for later viewing.

Guest Speaker

Gabriele Wienhausen introduced Julia Fielder, PhD, from Scripps Institute of Oceanography (SIO). She spoke on the CoastSnap and Beach Monitoring at Torrey Pines. (See article on pg. 1.)

Docent of the Month

Pao Chau has volunteered many hours of service with little fanfare. His myriad activities include leading walks, Whacky Weeders, Children's Program, OAKS walks, and the TIK.

Volunteer Hours

TP docents volunteered 22,427 hours last year. The average number of hours per docent was 131. Very complete data on hours with numerous charts are available. Ask **Matt Xavier** if more information is wanted.

VIP Park Passes

2023 passes will arrive late due to glitches in State Parks' system moving hours from Better Impact. 2022 passes will be good until June 1, 2023 for San Diego District parks/beaches. Refer to the Google Groups email sent out by **Roger Isaacson** on March 8 for more complete information or contact Louis Sands for specific issues.

Lodge Cleaning

The TPDS Board, with a lot of input from Lodge hosts, determined that the cleaning service was unsatisfactory, so it was terminated. Lodge hosts now do some cleaning in slack hours. Docents can earn hours for quarterly deep cleaning in the Lodge and/or daily bathroom cleaning in the Lodge by signing up and logging hours on Better Impact.

TIK

Coach Vance expressed her deep appreciation for all the docent TIK volunteers. **Frank Burham** started the TIK many years ago with a chair and an umbrella. This year he is circling back with a chair and umbrella for the new woodrat exhibit every weekend near the TIK. Vance thanked **Janice Barnard** for her many years of work and all the progress on the TIK, **Debby Sherman** for her many Saturday hours, **Barbara Wallach** and **Stu Rosenwasser** for their years of supervision and expertise, and all docents for coming by even just to say hi. She boasted about how many children came by, family members in tow, to show Mom/Dad/siblings all the great things they discovered when in the Children's Program. **Gary McCook** and his wife got a shout-out for all their TIK participation.

BLIK Beach and Lagoon Interpretive Kiosk

The BLIK is progressing nicely. The Grand Opening is hoped for April 15, with soft openings on preceding weekends. The kit for the gazebo has arrived; cabinets are in the process of finding a skilled builder. The kiosk structure will be built next to the large bench opposite the restrooms in the North Beach parking lot. It is designed so that it can be disassembled and moved without too much difficulty should another placement be desired. The BLIK is calling all docents for photos for use in the BLIK educational and interpretive materials. A list of specific photos desired will be sent soon on Google Groups and perhaps also placed in the *Torreyana*.

CEED

Check the *Torreyana* and/or Google Groups for upcoming CEED events or contact **Santosh Nichani**. Upcoming activities include Museum of Us Tour (limit 15 people so sign up promptly), Ocean Air Del Mar Mesa, and many more.

General Meeting Food

April meeting is skipped for the Lodge Centennial. Docents with last names starting with **T-Z** please bring snacks for the May meeting.

Financial Report for 2022 from Treasurer Lynne Truong

A complete copy of the report is available in the library or ask Lynne for more information.

The Museum gift shop did extremely well under the direction of **Selma Torres** and **Nancy Walters**, with T-shirts being managed by **Joe Meyer**. Special walks brought in another significant amount. Most of this goes to support the Children's Program, which is finally at full capacity after the Covid cutbacks. In 2019, 55,000 children participated in this school program 69% of them were from Title 1 schools.

Lynne said if people ask how to donate to the Docent Society, they can donate online or write a check to TP

Docent Society not to the Foundation, as the Endowment principal is not accessible to the TPC or TPDS, only the interest. A thank you card is in the library for the latest significant donor.

Centennial Celebration

An announcement for volunteer docents to work at the celebration is coming soon. Docents Judy Schulman, Lynne Truong, Donna Close, Gabriele Wienhausen, Matt Xavier, and from TPC, Susanne Florin and Roger Showley, have been working very hard on the plans. They hope to have press coverage, and many dignitaries have been invited and plan to attend. Some of the photos and art that is currently at the Wisteria Cottage Exhibit (free) through the La Jolla Historical Society will be displayed at the Centennial, and don't miss the antique cars.

Informal Flintkote Trail walk this Thursday at 4:15. Contact **Sara Mussen** for more details.

The meeting was adjourned at 10:58 am.

Children's Program

by Janet Ugalde, Program Director

THANK YOU, returning and new team members, for your contributions to our beloved Children's Program. Kudos to our most active members this winter: **Pao Chau, Susan Elliott, Mary Friestedt, Paul Howard, Barbara Justice, Mark Lippard, Steve Neal, and Stu Rosenwasser.**

WELCOME new team members: **Beverly Toth** (2022) and **Lila Scott** (2023). Our team needs more enthusiastic interpreters—how about you?

We have two months left to host 2022-23 students. April and May have full schedules, including extra Wednesday and Friday sessions for those rained out during our wonderfully wet winter. We still have many openings for walk leaders and presenters this spring, so please check the Children's Program signup site and join us as often as you can.

April CEED Event: Gonzales Canyon

When: Wednesday April 19, 9 am

Where: Gonzales Canyon Open Space Preserve, Sword Way Trailhead

Duration: 2 hours (earn 1 hour of Continuing Education)

Leader: Ingo Renner

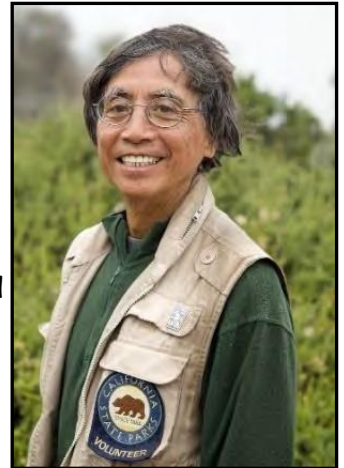
Moderate difficulty

Highlights: Spring blooms! Gonzales Canyon contains some of the best coastal sage scrub as well as riparian habitat including willows, towering sycamores, and dudleya blooming on the hillside.

Docent of the Month: Pao Chau

Photo by Herb Knufken

When I signed up to be a park volunteer, it never occurred to me that it would be a long-term gig, but unbeknownst to me, I'm starting my tenth year as a docent. Not only that, but I also feel like it wasn't that long ago that I went through docent training. It goes without saying that being a docent has been a pleasant and rewarding experience. There is always so much to learn about nature, from tiny ants to hawks soaring high above.



There is always joy working as a team with good-natured and knowledgeable fellow docents. I cannot say enough good things about the weeders, the Children's Program walk leaders, and the TIK folks, with whom I have spent a fair amount of time. They also reminded me of the Seabees and the old recycling team with stinky trash, but it was the people on the teams that made it worthwhile. We should give a shout-out to the newer docents. They are so active and full of energy! I hardly do Lodge hosting, public walks, and even the TIK much the last couple of years because the slots are filled weeks ahead of time.

[For Pao's 2014 DOM [click here](#); for his 2016 DOY [click here](#).]

First Woman Park Aide

by Jeannie Smith

Lodge Hosting always produces interesting people to talk to and learn from. On a busy but chilly gray Sunday in mid-March, a couple dropped into the Visitor Center and proved to be a significant piece of our Reserve history. The husband gleefully introduced his wife to me, stating that she was the **FIRST-EVER WOMAN PARK AIDE HIRED BY CAL STATE PARKS** – and she worked right here! (I hope the capital letters and bold font express adequately his pride and joy in his wife.) We chatted a bit, and I called Zuzana Volny, the park aide on duty, to come out of her office and meet Nancy Casady. They had quite a chat, sharing what it means to be a park aide then and now. It was 1962, Nancy thinks, when she was hired by Cal State Parks. “They didn't know what to do with me,” she said, “as they'd never had a woman park aide before!” The only duty

Nancy was assigned was to file Park Directives. But she enjoyed just being there and “circulating” around the place. Both Nancy and her husband, Derek, complimented Zuzana on her uniform, and he asked Nancy whether she’d had such a fine one. She replied, “No, but I think they gave me some man’s shirt.” Her name at the time was Nancy Woerner, and her then husband was then a Lifeguard for Torrey Pines State Beach.

Zuzana and I told them about the 100th anniversary of the Lodge to be celebrated April 8, and the couple promised to come. It was so touching to see how proud this man was of his spirited wife. Nancy’s history at Torrey Pines is older than the Docent Society (1975). I hope they come for our Lodge centennial celebration and meet dozens of our current docents and park staff. Look for them!



Torrey Pines Book Club

We will continue to meet via Zoom at our regularly scheduled time. Please notify **Annette Ring** if you plan to participate or need any extra help getting connected.

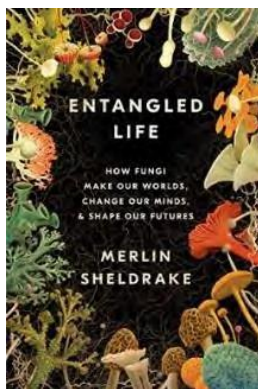
When: Tuesday, April 11, 1:00 pm

What: *Entangled Life: How Fungi Make Our Worlds, Change Our Minds & Shape Our Futures* by Merlin Sheldrake

Amazon says:

When we think of fungi, we likely think of mushrooms. But mushrooms are only fruiting bodies, analogous to apples on a tree. Most fungi live out of sight, yet make up a massively diverse kingdom of organisms that supports and sustains nearly all living systems. Fungi provide a key to understanding the planet on which we live, and the ways we think, feel, and behave.

In *Entangled Life*, the brilliant young biologist Merlin Sheldrake shows us the world from a fungal point of view, providing an exhilarating change of perspective. Sheldrake’s vivid exploration takes us from yeast to psychedelics, to the fungi that range for miles underground and are the largest organisms on the planet, to those that link plants together in complex networks known as the



“Wood Wide Web,” to those that infiltrate and manipulate insect bodies with devastating precision.

Fungi throw our concepts of individuality and even intelligence into question. They are metabolic masters, earth makers, and key players in most of life’s processes. They can change our minds, heal our bodies, and even help us remediate environmental disasters. By examining fungi on their own terms, Sheldrake reveals how these extraordinary organisms - and our relationships with them - are changing our understanding of how life works.

All TPDS docents are welcome. Meetings usually last a couple of hours.

May 9: *The Marsh Arabs* by Wilfred Thesiger

Lodge History 4: Cementing Relationships

by Judy Schulman, TPDS Historian

This is the fourth in a series of articles by Judy Schulman about Torrey Pines Lodge. We will be celebrating its 100th anniversary on April 8, 2023 (see pg 1).

Exactly how many adobe bricks are there in the Lodge: 10,000 or 12,000 or over 20,000? It depends on what source you read. Although the exact number of bricks isn’t known (wouldn’t this make a great project for extra credit during training?), this is what know.

The building plans from Requa and Jackson specified the following: *All exterior and partition walls of the building and all terraces and retaining walls, above the concrete, are to be built of adobe brick, made from soil excavated near the building site. These adobes must be made and laid by Mexicans who are thoroughly experienced in the work. All exterior walls of building and all terrace walls to be made of adobe 14 inches wide, 20 inches long and 4 inches thick. All partitions to be of 4"x10"x20" adobes.*

The John Byers Mexican Handmade Tile Company of Santa Monica was in charge of making and laying the bricks. Byers was known for employing native Mexican artisans (not Hopi Indians, as some newspapers articles said). References differ as to how many workers there were. But I did discover the last names of some of the workers. Their names appeared in payment receipts to John Byers. A belated note of appreciation to Señores Acosta, Duran, Flores, P. Gonzales, N. Gonzales, R. Gonzales, Rosales, Soto, Munoz, and Vuelvas. During construction they lived in tents in the area of what is now the Fleming residence.

Typically, adobe bricks are put together with wet adobe mortar, but Requa and Jackson requested that the mortar be made of a mixture that included Portland cement. I haven’t been able to find out why cement was used. I do remember reading somewhere that Requa and Jackson were experimenting with using modern techniques to prevent

earthquake damage and interior moisture damage. I read a number of articles on building with adobe. Most say that using cement is bad. Cement dries at a different rate than the adobe surrounding it and would eventually cause deterioration. Moreover, some of the articles said that the chemical composition of cement can cause adobe to decay.

After the bricks were made, they were laid out in the sun to dry for a few days. These bricks could weigh up to 50 pounds. They were brought over from the drying site to the building site by the men standing in a line and passing the bricks over one by one.

The cement was obtained from the Los Angeles-based Monolith Portland Cement Company. There is definitely a post-Lodge connection between Monolith Portland Cement Company and Requa. The president of the company, Coy Burnett, moved to Del Mar in 1924. Requa was the architect of the property Burnett bought from the former owner (Marston Harding). Several years after the Lodge was built, the company paid for two trips that Requa took to Spain and the Mediterranean to study and photograph architecture there. They later published two books of photographs from his trips, *Architectural Details: Spain and the Mediterranean* (1926) and *Old World Inspiration of American Architecture* (1929). I cannot find any references to the two men together prior to the building of our Lodge. Perhaps they knew each other socially or professionally before the Lodge was built.



A San Diego Connection

by Tom Polakiewicz

In the heady days of the exploration of North America by botanists and zoologists, new plants and animals were often given names to honor the patrons of the person who first described them for science – patrons who never saw their namesake specimens in the wild. Here at the Reserve we have Shaw's agave, Hooker's marsh evening primrose

and, of course, our own Torrey pine. There was one discoverer, however, who actually saw the plants named after him and had a connection to San Diego.

Thomas Nuttall was an English botanist and zoologist who came to the United States in 1810. After taking time out to go back to England during the War of 1812, he returned to the U.S. and took up a professorship at Harvard. There he taught a young student from a prominent Boston family named Richard Henry Dana. In 1834, when California was still part of Mexico, Nuttall set off on a trip of discovery across North America. He botanized and zoologized his way to the Pacific Northwest, across to Hawaii, and back to Monterey. While there he learned that the ship *Alert*, which had been engaged in the hide trade, was about to return to Boston. He found passage from Monterey to San Diego, where he boarded the *Alert* for the voyage home to Boston. While in San Diego, Nuttall spent several weeks continuing his scientific work.

As Nuttall had set off on his westward trip across the continent, Dana shipped out on the brig *Pilgrim* on a trip to the California coast that became the source of his book *Two Years Before the Mast*. Dana's eyesight had been failing, and it was thought that the time at sea would restore his vision. He spent 18 months of arduous duty as a deck hand on the *Pilgrim* and was eventually transferred to the *Alert*. When the ship was a day out of San Diego in May of 1835, he found that his old professor was a passenger on board, to the immense surprise of both.

Prior to setting sail, Nuttall had spent several weeks in San Diego strolling the beach. Without recognizing who he was at the time, Dana had noticed a grey-haired man often walking along the shore "in a sailor's pea-jacket with a wide straw hat, and barefooted, with his trousers rolled up to his knees picking up stones and shells." Until they met aboard the *Alert*, he could not have imagined that he would meet Professor Nuttall on the far side of the continent.

Nuttall's work in those years was rewarded with several species he described that were named after him: Nuttall's woodpecker, *Dryobates nuttallii*; Pacific dogwood, *Cornus nuttallii*; and Nuttall's Scrub oak, *Quercus dumosa*. He named many other plants, including a succulent he found in San Diego, *Sedum educe*. Its name was later changed to *Dudleya edulis*, to honor Professor William Russell Dudley of Stanford University.

Unlike some others, Nuttall earned his place in the pages of taxonomy, and also in the pages of Richard Henry Dana's famous book.

La Jolla Half Marathon Coming to Torrey Pines

by Ann Smith Mercandetti

This year's La Jolla Half Marathon will be run through the Reserve on Saturday morning, **May 20**. The race begins at the Del Mar Fairgrounds at 6:30 am, so hopefully we have some "early risers" among our TPDS members to help monitor the race. The Club raises around \$200,000 for charity organizations within the community from this annual event.

Runners have been reminded that there is no longer a water station at the top of the hill – a change initiated by TPDS members several years ago. No more are there thousands of plastic cups thrown here, there, and everywhere along the 1½-mile stretch through the Reserve. This event has grown into an occasion where we do not only protect the Reserve, but also encourage and cheer on the runners with our colorful posters. It's fun being a part of their support team and the runners genuinely appreciate our enthusiasm.

To participate on May 20, email **Ann Smith Mercandetti** (see membership roster for her email). The morning starts early, but it's over quickly – usually before 10:00 am. We hope you will join us!

What's Blooming!

Uncommon Plants along the Trails

Article and photos by Donna Close

Cooler-than-normal temperatures and all that lovely rain has slowed down the growth of some of the early-sprouting plants. At first, it seemed like many plants were rushing to flower, but are now taking their time. Hopefully this means the Reserve will have a longer blooming season.

Here are some of the latest plants to make their spring appearance.

1. California Bee Plant (*Scrophularia californica*) is a member of the figwort family. This plant has large green leaves and grows tall flower spikes with tiny red flowers. Even though bees can't see red, they are very active on this plant. It is a host plant for the variable checkerspot butterfly. You can find this plant growing along the park road (lagoon side) before you get to the rest spot with the large Torrey and benches. There are also a few growing along the Beach Trail just before the Razor Point turnoff. Flowering is March to July.



2. Dot-seed plantain, California plantain (*Plantago*

erecta). This annual native plant is easy to walk right by. Stop and look closely and you will see this grass-like plant that is less than 8 inches high. It is a primary host for the endangered Quino checkerspot butterfly. It has small white flowers with red dots (looks like traffic signals). Once you spot one, you will find them growing all over the west side of Guy Fleming.



Some years you can find them along the park road after the Parry Grove turnoff, and along the Razor Point Trail just past the Overlook Trail. Seeds explode out short distances, and harvester ants can aid in the seed distribution. Flowering is March to May.

3. Blue Dicks, Wild Hyacinth (*Dichelostemma capitatum* ssp. *Capitatum*)

Blue dicks took advantage of the rain and began sending their long grass-like leaves up in early February. Some were seen in bloom at the bottom of Broken Hill, taking advantage of the south-facing slope and sunshine. The almost spherical flower head consists of many flowers of differing ages, with colors ranging from purple-blue to white, on a long stem. These plants grow from underground corms and can be found in a variety of habitats from March to May.



4. Star Lily, Fremont's Camas (*Toxicoscordion*

fremontii). This attractive plant is also called death camas, the reason being all parts of the plant contain a toxic alkaloid more potent than strychnine.

This plant is native to the west coast of North America, mostly below 3000 ft. Some plants are out in the open, and others are just under the overhang of neighboring shrubs. A couple of plants have grown in the same spot for a number of years. One is near the altar rock formation on North Broken Hill. There is a whole cluster of them just poking out of the lemonadeberry as you first enter onto North Broken Hill. Normal flowering time is March to May.



5. Common Eucrypta (*Eucrypta chrysanthemifolia*). I first noticed this plant sprouting in the shaded area on North Broken Hill. The leaves reminded me of a cross between a Fiesta flower and Phacelia. (This plant is also a member of the forget-me-not family.) The leaves first come up in fours and are opposite. Upper leaves become smaller and alternate along the stem. It has small hairs on the stems, and grows to 18". It is covered in small white flowers and may have a pleasant scent. Typical bloom times are February to June.



6. Miner's Lettuce (*Claytonia perfoliate*). This edible perennial is native to the west coast of North America. It prefers moist shady areas and starts out with heart-shaped flowers which turn into collars that are fused and surrounding the stem. Small white flowers spring from the top of the stem. This plant is high in vitamin C and was used to prevent scurvy by Gold Rush miners, hence the name. With all the recent rains, you can find large patches growing on most trails. Usual flowering times are February to April.



Torrey Pines Docent Society Bird Survey: March 2023

Number of species: 86
(+1 other taxa)

Blue-winged Teal 1
Cinnamon Teal 9
Northern Shoveler 6
Gadwall 6
American Wigeon 43
Mallard 26
Northern Pintail 24
Green-winged Teal 9
Canvasback 2
Lesser Scaup 13
Bufflehead 29
Red-breasted Merganser 5
Ruddy Duck 11
California Quail 1
Pied-billed Grebe 3
Eared Grebe 1
Western Grebe 182
Mourning Dove 49
White-throated Swift 13
Anna's Hummingbird 57
Allen's Hummingbird 24
hummingbird sp. 3
Virginia Rail 1
American Coot 40

Whimbrel 20
Long-billed Curlew 2
Willet 4
Heermann's Gull 1
Ring-billed Gull 6
Western Gull 217
California Gull 134
Pacific Loon 2
Black-vented Shearwater 446
Brandt's Cormorant 5
Double-crested Cormorant 19
Brown Pelican 18
Great Blue Heron 3
Great Egret 5
Snowy Egret 7
Osprey 1
Cooper's Hawk 3
Red-shouldered Hawk 1
Red-tailed Hawk 7
Belted Kingfisher 3
Downy Woodpecker 5
Nuttall's Woodpecker 15
Northern Flicker 4
American Kestrel 4
Peregrine Falcon 2
Black Phoebe 12
Say's Phoebe 8
Cassin's Kingbird 19

Hutton's Vireo 5
California Scrub-Jay 12
American Crow 69
Common Raven 37
Northern Rough-winged Swallow 23
Tree Swallow 77
Violet-green Swallow 1
Barn Swallow 1
Cliff Swallow 17
Bushtit 68
Wrentit 105 [Wrentits are widely distributed throughout the park, and they were active.]
Ruby-crowned Kinglet 2
California Gnatcatcher 4
House Wren 3
Bewick's Wren 28
California Thrasher 16
Northern Mockingbird 2
Hermit Thrush 8
American Robin 2
House Sparrow 2
House Finch 105
Lesser Goldfinch 33
Fox Sparrow 1
Dark-eyed Junco 4
White-crowned Sparrow 23

Savannah Sparrow 3
Song Sparrow 35
California Towhee 84
Spotted Towhee 28
Western Meadowlark 10
Red-winged Blackbird 17
Great-tailed Grackle 1
Orange-crowned Warbler 32
Common Yellowthroat 11
Yellow-rumped Warbler 78

Observers: Andy Rathbone, Donna Mancuso, Marty Hales, Tsaiwei Olee, Kathy Dickey, Kathy Brav, Robert Turner, Steve Neal, Eva Armi, Susan Bar, Janice Barnard, David Walker, Medi Denker, Phyllis Kuszniel, Gary Grantham, Gabriele Wienhausen

View this checklist online at ebird.org/checklist/S131062529

Herb Knufken's amazing photo gallery, including many birds, may be found here: pbase.com/herb1rm



Torrey Pines Docent Society
1155 Camino Del Mar #404
Del Mar, CA 92014
(858) 755-2063
torreypine.org