

Sierra Club YODELER

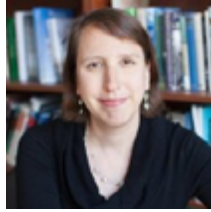
THE NEWSPAPER OF THE SAN FRANCISCO BAY CHAPTER ♦ SPRING 2020



THIS SPRING: BACKCOUNTRY TRAVEL WITH THE SIERRA CLUB!
♦ KATHERINE HOWARD ON LIVING SHORELINES FOR RISING SEAS ♦
ADDRESSING THE ISSUES OF CLIMATE CHANGE THROUGH ART
♦ AN UPDATE ON THE CHAPTER ELECTIONS & OUR NEXT STEPS ♦

LETTER FROM THE DIRECTOR

I have to admit, I did something a little outlandish—I signed up to run a half-marathon. You may think that as the director of the San Francisco Bay Chapter of the Sierra Club, I'd be in fabulous shape—aren't we the local group sending thousands of people out on outings throughout the year? It's true, but alas, the director's role involves more late-night meetings and rushed pizza dinners than 10K hikes or mountain yoga. Put that on top of two kids and an antipathy for running, and a half-marathon was more than a reach.



But I like a good challenge! And I like the Bay Bridge. So signing up to run the Bay Bridge Half Marathon with my friends and colleagues seemed like a good excuse to get in shape and a good way to raise money for the chapter. I'm in luck too, because I have the best cheering squad: my 5-year-old son. Every night after dinner, we head out to the park. He hangs from the bleachers giving me high-fives as I do my laps around him.

Now you might think that would be minimal motivation for a former smoker like me, but the cross-generational high-five is actually the thing that motivates a lot of us to do our work. Why are we working to protect open space here in the Bay Area? So it can be preserved and enjoyed now, and in the future. Why are we fighting so hard against climate change? Because we know what our grandchildren will face if we don't. Why are we trying to clean up former industrial sites? Because we are building the future that we want to see for everyone who is here, and everyone who comes next.

Those cross-generational high-fives go both ways, as an older generation makes space for and supports the younger generation to voice their concerns. In this issue of *The Yodeler*, you'll read about our work connecting with every generation to make the Bay Area a better place.

If you like what you read in this issue, give my fellow runners and me a virtual high-five and support our Team Sierra runners this spring by making a contribution on our running site at <https://tinyurl.com/scsfbayrun>.

Minda Berbeco
DIRECTOR

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COVER PHOTO
Ruffled Jellyfish, Eric Kilby.



SPRING 20 CHAPTER NEWS

Chapter leaders are elected; now on to 2020

PEGGY DA SILVA

On December 14, the Elections Committee gathered to count the votes to determine who would be the San Francisco Bay Chapter's Leaders for the coming year. Every member of the chapter was eligible (and encouraged) to vote for the Executive Committee's candidates for the entire chapter and also vote for the seven local groups. You can find a list of the elected leaders on our website, sierraclub.org/sfbay.

The good news is that we have many wonderful leaders who are committed to our Bay Area environment, the health of the planet, and the wellbeing of the people and other creatures who live here. The not-so-good news is that many of our groups are short of people willing to run for leadership positions, which can lead to lackluster, repetitive elections with low turnout—instead of vibrant exchanges of ideas from a variety of people with different perspectives and life stories.

Our leaders are important—they speak for all of us.

SO WHAT'S NEXT?

The members of the Nominations and Elections Committee enjoyed the work of making sure that the Bay Chapter's elections were fair, transparent, and supportive of candidates. Now we'd like to see more people get involved in the process. We would like a person from each Group to be part of the Committee. The Nominations Committee plans to host some events that will explain the elections process, so that potential candidates feel empowered to run. We are offering support: ideas, materials, and outreach tools to the

Group Executive Committees so they can recruit additional candidates.

If you are interested in being involved in Nominations and Elections, please contact us! Our committee email address is elections@sfbaysc.org, or you can call the chapter office at (510) 848-0800, extension 308, for more information. The Committee work is not too heavy and being a part of this group is a great way to learn more about the San Francisco Bay Chapter, local issues, and leadership.

A win in Richmond!

MINDA BERBECO

This January, we had a big win in Richmond! The Richmond City Council voted to approve an ordinance that will phase out the storage and handling of coal and petroleum coke over 3 years in order to protect community health and safety. This is an amazing development for the community, and was due to the incredible organizing of the community members and organizations working there. The chapter was delighted to work with our partners to be part of the success!

Why are we worried about coal and pet coke in Richmond? Coal shipments at Richmond's Levin Terminal have spiked to nearly a million metric tons per year. The dirty fossil fuel is stored in massive uncovered piles on the waterfront before it's shipped overseas, as is poisonous pet coke, the toxic residue from crude oil refining. These substances pose a serious threat to the health and safety of local communities and the environment.

Fugitive dust is released into the air during coal and pet coke operations at the terminal, and it contains materials known to pose severe harm to human health, including fine particulate matter (PM_{2.5}), arsenic, lead, mercury, and many other toxic heavy metals. Exposure to these substances is linked to cardiovascular and respiratory conditions including asthma, pneumonia, COPD (emphysema), heart disease, and cancer. Pet coke emits toxic volatile gases in addition to PM_{2.5} and deadly heavy metals.

Richmond residents—especially those living in low-income, predominantly black and brown communities—are already overburdened by pollution from the Chevron refinery, the I-80 and I-580 corridors, and other industrial polluters. They suffer from some of the highest rates of asthma,

cardiovascular disease, and stroke in the Bay Area. Coal and pet coke dust pollution from the terminal presents an added health risk.

As such, we were so proud of the city for stepping up to support the health and safety of the Richmond community. This is a big win for them, and we were glad to be a part of the important work!

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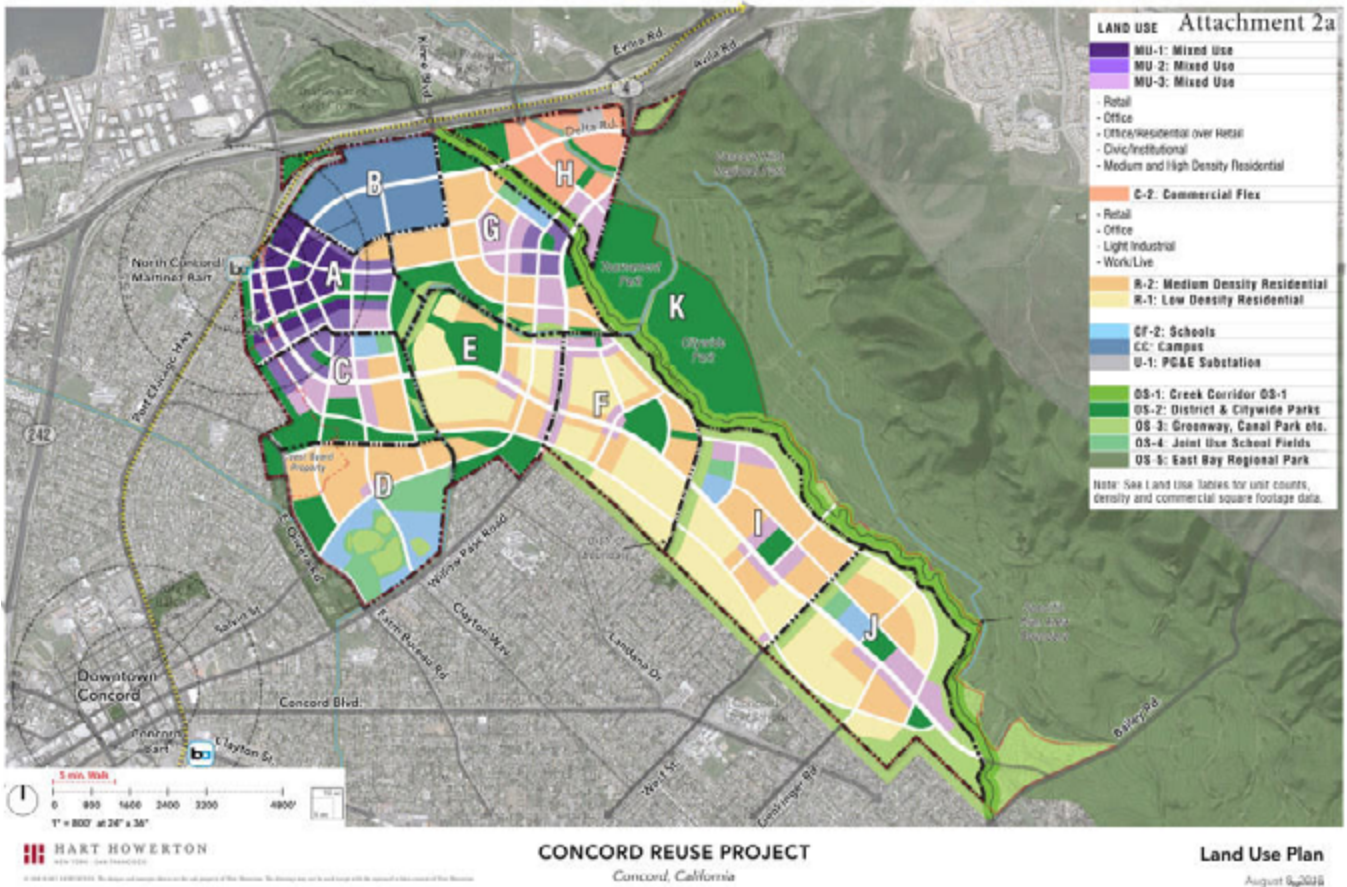



PHOTO CREDIT: CITY OF CONCORD

Sierra Club stands with labor

JONATHAN BASH & JULIA FOOTE

Key to the environmental movement—and any effort to address the climate crisis—is strong collaboration with labor and workers’ organizations. We must work together on a common agenda to accomplish our goals and protect both the people and the planet.

As the cofounder of the Blue Green Alliance (BGA), Sierra Club aims to work in solidarity with union partners,

workers’ organizations, and frontline communities, and broaden the constituency for climate and environmental justice by deepening the Club’s engagement of working families.

Sierra Club has asserted its stance on labor in its National Urban Infill Policy (see <https://tinyurl.com/sc-infill>) accordingly:

“Development should honor and support the right to organize and promote quality union jobs and livable wages for both construction work and the permanent jobs that follow. Construction work should pay prevailing wages and utilize apprentices.”

Recently, our Mt. Diablo Group stood by this policy when Lennar—the developer of the Concord Naval Weapons Station Reuse Project—attempted to turn its back on a Project Labor Agreement that would provide construction jobs for local workers and apprenticeship training opportunities for Concord students.

A Project Labor Agreement (PLA) is a collective bargaining agreement between building trade unions and contractors that governs terms and conditions of employment for all workers on a construction project.

The Concord Naval Weapons Station Reuse Project calls for 13,000 new homes; 2,700 acres of parks; and 6 million square feet of commercial and academic space. A development of this scale is hugely important to bring much-needed jobs and housing to Concord and the broader Contra Costa County. Our coalition negotiated in good faith to ensure that the development includes environmental benefits like walkable and bikeable streets; equitable, affordable housing requirements; and a strong PLA that ensures local workers—paid the prevailing wage—build Concord’s future.

Lennar is threatening to turn its back on its promises and withdraw from these local work requirements and the Project Labor Agreement. The alternative to hiring local union workers at area-wage standards is thousands of underpaid workers driving in from the Central Valley to fill these positions. That means more traffic congestion in Concord, more vehicle miles traveled, the addition of thousands of tons of greenhouse gas emissions to our atmosphere, and the undermining of meaningful employment and economic benefits to the Concord community.

It is vital that we not only stand by our union partners, but we aim to educate Sierra Club members, supporters, and the public about the value of and connections between workers’ rights and environmental protection.

Spread the word and ask the Concord City Council to continue to hold Lennar to their agreement throughout the entire process at tinyurl.com/PLAConcord.

If you’re interested in growing labor partnerships with Sierra Club, email jonathan.t.bash@gmail.com.

What you should know about Marin County's Measure D

Simply put, Measure D on Marin’s March ballot is an attempt at an unfunded land grab under the guise of concern for the democratic voting process. Its backers are seeking to change key words in the San Geronimo Valley Community Plan to prevent The Trust for Public Land (TPL), owner of the former San Geronimo Golf Course, from fulfilling its mission of resource conservation, land restoration, and the creation of community parks for all.

When Marin’s Countywide Plan was adopted in 1972, it created a “Designated Area,” much like a town’s city limits, for each unincorporated village. Residents in each Area then produced their own unique Community Plans, which were subsequently adopted by the Board of Supervisors. Measure D seeks to overturn this long-established process using a countywide vote to override local control. If it were to win, Measure D would establish a dangerous precedent that could make every other community plan in the County a target for any well-funded, special interest group.

Measure D backers (key among them real estate interests and golfers) want to mandate that the primary use of the land must be a golf course, thereby eliminating, in one

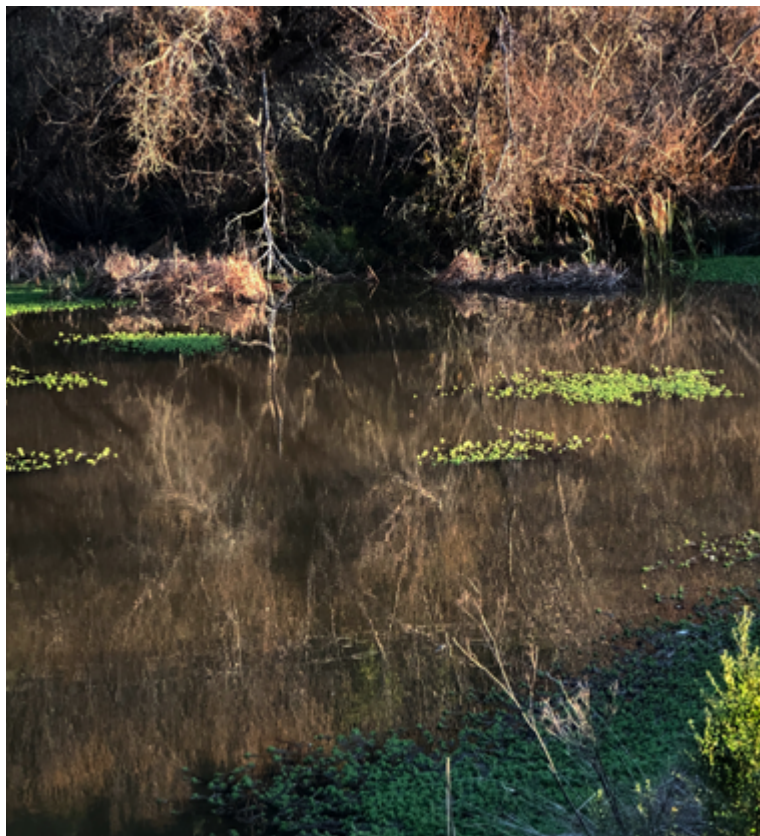


PHOTO CREDIT; WILLIAM BINZEN

fell swoop, both the community's voice and private land-owner rights.

Ironically, Measure D would not bring golf back. It would just keep the community out.

As part of TPL's due diligence in 2018, the organization met with various golf consultants to see whether golf could be viable within the context of their mission. The answer was no. Concurrently, many other exciting possibilities have emerged, and continue to emerge, from the larger community. If Measure D is defeated, this ongoing, creative interaction will continue.

In the larger picture, a NO vote on D is a vote for regeneration, resiliency, and community. Right here. Right now. A NO vote:

- ◆ Protects a vital habitat restoration project for endangered Coho salmon and threatened Steelhead trout. (TPL's creekside restoration partner, Trout Unlimited, calls the creek that runs through the property the last, best wild Coho run in the Bay Area.)
- ◆ Creates an outdoor classroom for kids and teachers that incorporates these restoration efforts into hands-on projects.
- ◆ Creates accessible parkland for all people, including



PHOTO CREDIT; WILLIAM BINZEN

young families with babies and toddlers, elders, and people with limited mobility.

- ◆ Saves 50 million gallons of water annually in our creeks and reservoirs that previously were used by the golf course, making the water available in drought years and for firefighting.
- ◆ Forever eliminates the use of pesticides on the land and its critical ecosystem, including some like Glyphosate, Triclopyr, and Fumitoxin, which are highly toxic.
- ◆ Preserves space for a new, urgently-needed, state-of-the-art fire headquarters that would benefit all of Marin.
- ◆ Promotes regenerative land practices that revitalize the land and support climate resiliency.
- ◆ Protects safe routes to schools and provides a gateway to more than 100,000 acres of public land between the Golden Gate Bridge and Point Reyes National Seashore.
- ◆ Protects 157 acres of gently rolling parkland in the heart of Marin for everyone to enjoy in perpetuity.

Between now and March 3, you'll probably see a number of false claims by Measure D backers. Don't be taken in. Learn more. The following two important links will help.

This short film provides a wonderful, evocative history of the valley and what's at stake on Measure D, and can be viewed at <https://tinyurl.com/sc-MeasureD>.

To learn why every major "Yes on D" talking point is false or misleading, visit the campaign website at <https://www.sangeronimoforall.com> and click on *Fact vs. Fiction*, *Why Vote No*, and the FAQ. Then, share these links with your friends and acquaintances on email and social media, so they too can be better informed. And tell all who live in Marin to **VOTE NO** on D.

This beautiful piece of land is a community treasure, and not a single-interest entitlement.



Support us with a literary walk on the John Muir Trail!

Local author David Rice will donate all the proceeds from his new book, *Pilgrim on the John Muir Trail*, to the chapter for our conservation work.

The book is written in tanka verse, a form of classical Japanese poetry that's very different from free verse poetry and very accessible to readers. Here are two examples:

on a stream rock	if the science guys
purifying water	want to figure out
a young hiker	if lakes and peaks
calls me <i>sir</i> as she passes	can open the mind ...
I'd forgotten my age.	well, I did the experiment.

This book captures what it is like to hike the John Muir Trail: the hardships, the joys, and the self-contemplation. Purchase *Pilgrim on the John Muir Trail* at <http://bit.ly/JMTPilgrim> today for \$12, plus shipping. Your purchase will support John Muir's legacy here in the Bay Area.

Yodeler Team Sierra Half Marathon Run

This May, eight chapter leaders will be running the Bay Bridge Half Marathon to raise money for the Chapter! Read about these folks below, follow the links to support their run, and be sure to join the Club at the run itself to cheer them on! To support any of these runners, check out the chapter's Team Sierra page at <https://tinyurl.com/scsfbayrun>.

OUR MARATHON TEAM

Meet our dedicated runners and their stories.

OLGA A. BOLOTINA

WHAT IS YOUR ROLE? Chapter Chair

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? Time is valuable

and this is an excellent opportunity to accomplish several important things at once: raise much-needed funds to support our excellent Chapter staff in their dedicated work; bond with fellow Chapter leaders; and get fit and healthy to have even more energy to continue our environmental work.

WHAT IS YOUR GREATEST HOPE FOR 2020? Do I really need to say it! I have big hopes for our new 46th!



And I trust in the wisdom and humanity of this country's citizens!

SUPPORT OLGA'S RUN AT <https://tinyurl.com/sc-olga>

LAURA EINOWSKI

WHAT IS YOUR ROLE? Chapter ExCom, Former Chapter Vice Chair

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? Running with the

Bay Chapter will be my second Team Sierra event and my 7th running event. Basically, I love to run and if I can do good at the same time all the better. It seems fitting to be running across the Bay while raising money that could go towards protecting it for years to come. I am also excited to be running with my fellow leaders and will be cheering them on, as this is a first for many of them!

WHAT IS YOUR GREATEST HOPE FOR 2020? I'm a big believer in being the change you want to see, and in 2020 I hope for change. In an effort to not dwell on the negative, I am hoping that 2020 will give me time and energy to continue to focus on issues and organize outings that I find important.

SUPPORT LAURA'S RUN AT <https://tinyurl.com/sc-laura>



VINCE SUGRUE

WHAT IS YOUR ROLE? Chapter Member

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? The SF Bay Sierra

Club Chapter not only focuses on environmentalism, which I fundamentally believe in, but has been a strong ally in the fight for supporting union workers and green union jobs of tomorrow. Supporting a just transition and the Green New Deal means we stand up for local workers! Also, I thrive on accountability, so being a part of this team means I'll actually make the time to train!

WHAT IS YOUR GREATEST HOPE FOR 2020? I just want us to all feel the sigh of relief at the end of the year. This lunacy has gone on for too long.

SUPPORT VINCE'S RUN AT <https://tinyurl.com/sc-vince>



SARAH BARGER RANNEY

WHAT IS YOUR ROLE? Chair of the Climate Literacy Committee

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? I'm running with and for the Sierra Club to raise money and awareness for the Bay Chapter's critical work, and to give me a great excuse to talk about our impact with family, friends, and colleagues.

WHAT IS YOUR GREATEST HOPE FOR 2020? That we stick together and pace ourselves to achieve the significant goals we have for this year. If we do that, I'm convinced that we will end 2020 with the pride and strength that comes with achieving an ambitious goal.

SUPPORT SARAH'S RUN AT <https://tinyurl.com/sc-sarah>

KIRBY LAWTON

WHAT IS YOUR ROLE? Chapter Member

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? I'm involved in, and benefit from, a lot of the Bay Chapter's out-

doors activities. From hiking, to training, to camping in the snow, I have come to appreciate the opportunities and friendships in the Sierra Club, and want to help support the work.

WHAT IS YOUR GREATEST HOPE FOR 2020? I hope that we can get the leadership and focused progress on climate change to make real, impactful change to benefit us now and into the future.

SUPPORT KIRBY'S RUN AT <https://tinyurl.com/sc-kirby>



MINDA BERBECO

WHAT IS YOUR ROLE? Chapter Director

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? I have such great

pride in the chapter and the innovative work we do here in the Bay Area. We do such important work here in the Bay Area, from protecting open space to advocating for renewable energy—I can't think of an organization I would want to support more, and I'm delighted to be joined on this run by our amazing chapter leadership and members. I feel so lucky to be working and running with these folks—and this is my first run *EVER!*

WHAT IS YOUR GREATEST HOPE FOR 2020? My hope for 2020 is that even when faced with a challenge or setback, we have the confidence, vision and trust in each other to know that in the end, with hard work and determination, we will succeed.

SUPPORT MINDA'S RUN AT <https://tinyurl.com/sc-minda>



IGOR TREGUB

WHAT IS YOUR ROLE? Chapter Executive Committee Member, Former Chapter Chair

SUPPORT IGOR'S RUN AT <https://tinyurl.com/sc-igor>

CHANCE CUTRANO

WHAT IS YOUR ROLE? Chapter Vice Chair

WHY ARE YOU RUNNING TO SUPPORT THE BAY CHAPTER'S WORK? I'm running to support the Chapter's work because we are in the

11th hour of our climate crisis, and we need all hands on deck to mitigate the worst effects of climate disruption.

WHAT IS YOUR GREATEST HOPE FOR 2020? My greatest hope for 2020 is for wildlife to prevail and biodiversity to resurge on our public lands throughout the Bay Area.

SUPPORT CHANCE'S RUN AT <https://tinyurl.com/sc-chance>





Are we in over our heads? How to plan for and adapt to sea level rise

KATHERINE HOWARD

Recent news stories feature vivid pictures of record-breaking flooding across the United States. These stories make dramatic evening news coverage, because they show extreme damage in simple before-and-after pictures. But there is another story around flooding that is not as dramatic—at least not yet—but it is going to happen, and it is going to happen all over the world. That is the unavoidable inundation that will be caused by sea level rise.

To learn more about the potential impacts of sea level rise, I spoke with Arthur Feinstein, Sierra Club California State Conservation Chair and champion of bays and estuaries. Feinstein and a Sea Level Rise Task Force have just finished developing a set of positions for Club members to follow when addressing sea level rise issues.

Yes, climate change is causing melting glaciers and dis-

appearing ice packs. The oceans are warming, and that leads to thermal expansion. The net result is that the levels of our oceans are definitely rising.

Sea level rise is happening every day, but it is so gradual that most people are not aware of the enormous risk that it poses to the future—not only of those of us who live along the coasts, but also of the ecosystems upon which we depend.

Various government and international agencies have released reports on expected sea level rise over the next 100 years. By 2050, it is expected that the oceans will rise steadily about 1.0 to 1.5 feet. Scientists say that there is nothing that can be done about this rise; it is locked in, and it is going to happen. After 2050, the amount of sea level rise will be both faster and more unpredictable. No one is certain how soon the ice in the Arctic, Antarctica, and Greenland will melt. Final predictions for sea level rise now go as high as a 10-foot rise by 2100. And this is just when the oceans are relatively calm.

Added to the impact of the rise in the static levels of the oceans is the impact of major storms with wind waves, storm surge, nearby river discharge, and other events that can intensify sea level rise by contributing to the erosion of

beaches and cliffs—and the consequent flooding. According to at least one research paper, these dynamic amplifiers can increase the impacts of flooding by up to seven times.

The coming sea level rise events will result not only in damage to the coastline and destruction of wildlife habitats, but also the loss of homes, businesses, and the infrastructure on which they have come to depend.

Let's start with habitat. The shallow waters along our coasts are the nurseries for ocean life. According to Feinstein, the tidal marshes, mudflats, sea grass, and kelp beds support 70% to 90% of commercial fish and shellfish species. In addition to providing the food that is much of the basis for the oceanic web of life, these living coastlines are effective at sequestering carbon from all those decaying plants. (Have you gotten a whiff of that intense odor at low tide? That is life in the making.) Tidal marshes also help to control flooding and inundation by slowing up storm surges. They purify water, trap impurities, and hold in mud. This in turn influences temperatures and helps cool the air.

Sea level rise threatens all of this life as these habitats drown in deeper waters. Loss of coastal habitat will impact fisheries in the deep oceans. At the same time as agriculture is impacted by rising temperatures inland due to climate change, another food source, ocean fisheries, will be depleted. And as the carbon sequestration these coastal habitats now provide is lost, greenhouse gases will increase, resulting in further global warming.

However, if the oceans rise slowly, and if there is room for the wetlands to move inland, sea life might gradually adapt. That is why Feinstein recommends that coastal land be set aside to allow the oceans to gradually inundate new coastal areas over the next 30 years and, with luck, the plants and other life will move inland as the oceans rise.

After 2050, other processes may have to be employed to preserve the viability of coastal waters in the face of faster changes.

The need to plan for creating new living shorelines is resulting in some interesting policy reversals. The Bay Conservation and Development Committee (BCDC) was originally formed to protect San Francisco Bay from rampant filling during the mid-twentieth century. Today, the BCDC is considering rewriting its guidelines to once again allow Bay fill in order to adapt to the rising levels of the Bay. For example, at the newly recovered salt ponds, mud could be added to raise the elevation of the seabed to allow for shoreline habitat to reestablish itself at the new coastlines.

But establishing new coastal habitat at higher elevations depends on having vacant land along the coast to inundate. In areas where there is no undeveloped land next to the existing shorelines, there is a whole other set of problems that must be faced.

Here things become sticky. In principle, we need to allow for open space inland for the rising coastal waters. This may mean saying “no” to new development. At the least, new development should plan for the eventual incursion of the ocean, and property owners should plan ahead to remove the new structures when that happens.

What happens if homes and businesses are already located in harm's way?

There are no easy solutions for land that is already developed. One key phrase you will see in coming years is “Managed Retreat,” or permanently clearing out occupants (that's people) and structures from coastlines that are going to be inundated. As you can imagine, proposals for Managed Retreat have already drawn storms of dissension in some communities. Homeowners are reluctant to give up a place they have lived in and loved for many years, and which may be their major financial investment.

Lots of questions to ponder here. As the oceans rise, should there be government buyouts? Should new property owners be treated differently than those who lived along the coast before sea level rise became a possibility? Some low-income communities were forced into areas that are close to the coast but were not considered desirable at the



PHOTO CREDIT; NICKOLAY LAMM

time they were established. Their homes may be their only resource. What happens to people whose only nest-egg is their nest? Should compensation be given based on income or property values? Or, would flat rate compensation be fairer to everyone?

In addition to the impacts on homes and businesses, the financial toll for sea level rise on surrounding communities will be enormous. Consider the impact on infrastructure—roads, railways, harbors, airports, power plants, and wastewater facilities may all be flooded out. How will this be dealt with and paid for, on top of the need to help local homeowners and business owners?

In case you were thinking that sea level rise could be solved with sea walls, think again. Building a sea wall around your home may protect you for a few years, but in the meantime, it will increase wave action on your neighbor's house. And, eventually, how will you get home at night? Canoeing to Trader Joe's may feel authentic, but it will lose its appeal after awhile.

Wave action against sea walls often precludes healthy marine habitat in the nearby area. Sea walls around a city



PHOTO CREDIT; PAUL BRENNAN

are expensive not only to build but also to maintain. And one breach means disaster—think New Orleans after Hurricane Katrina. Sea walls also require concrete; manufacturing concrete adds to greenhouse gases. And so with building sea walls, the cycle of climate change builds upon itself. As most of the environmental challenges we now face, there are many questions and no easy answers. Feinstein advises keeping an eye on news items and attending public meetings that will be held to deal with this. Ask for a living shoreline whenever this is mentioned. Sea level rise is a problem that is very much not going away, and we will have to plan for it and adapt to it in the future.

To learn more, visit the following links.

- ♦ Sierra Club California's sea level rise position paper: bit.ly/2MURMJB
- ♦ San Francisco's Sea Level Rise Action Plan is a work in process: bit.ly/2ThEWqg
- ♦ The USGS mapping system illustrates what may be flooded, combining the level of rising oceans with the strength of storms: on.doi.gov/2OOjB9f
- ♦ NOAA's interactive maps and photos show the impacts of sea level rise: bit.ly/31xe07g
- ♦ For the truly wonky among you, check out the USGS Coastal Storm Modeling System (CoSMoS): <https://on.doi.gov/2GW66oC>

Katherine Howard is a local open space and environmental advocate who serves on the Executive Committee of the Sierra Club's San Francisco group. Howard writes the regular "Environmentalalk" column for the Westside Observer, where this article first appeared.



**WHAT WILL YOUR
LEGACY BE?**

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510-848-0800 x 321

EVmatch

WILLIAM TRUESDELL

Back in 2016, Heather Hochrein was a graduate student at UC Santa Barbara imagining a world not too far in the future, where everyone drives electric vehicles (EVs) powered by renewable energy. Tesla hadn't unveiled the Model 3 yet, but carmakers around the world were starting to realize that someday, EVs would replace internal combustion vehicles. While Elon Musk was preparing to unveil what has become one of the best-selling luxury cars of the decade, however, Heather was focusing her attention on another problem: the limited number of places to charge EVs.

The demand for charging has grown significantly over the past decade, but high costs have limited the number of new installations. It costs about \$11,000 to install a dual-port Level 2 (240V) charger and upwards of \$50,000–\$100,000 to install a DC fast charger (such as a Tesla Supercharger). Heather's research found that by leveraging the sharing economy, we can increase the number of charging locations without spending large amounts of money. And so,



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EVmatch was born. With a peer-to-peer network of shared chargers, the EVmatch app opens up private charging stations for public use, immediately increasing the number of reliable charging places without requiring expensive new installations.

Anyone can list their home or business charger for rent on EVmatch to earn extra money and help others confidently drive electric. People who rent out their chargers—called charging hosts—can set custom availability and prices so sharing is easy and tailored to their needs.

Heather isn't a product of Silicon Valley, but her cleantech solution is making it easier for EV drivers nationwide to find and reserve charging, especially renters and multi-unit dwellers who don't have access to home charging. EVmatch will donate \$20 or more to the Sierra Club for every chapter member that signs up, so join online or through the app today. Find out more at <http://www.evmatch.com>.

William has always been interested in creative ways to advance clean energy. He works day in and day out to advance EV adoption by increasing public charging options and busting EV-related myths. William has worked in the political sector managing nonprofit, candidate, and issue advocacy campaigns as well as for elected officials at the Colorado State Legislature to move the ball on energy and climate policy. He holds a BA from the University of Colorado, Boulder.

Exploring the ways that creative individuals are addressing issues of climate change

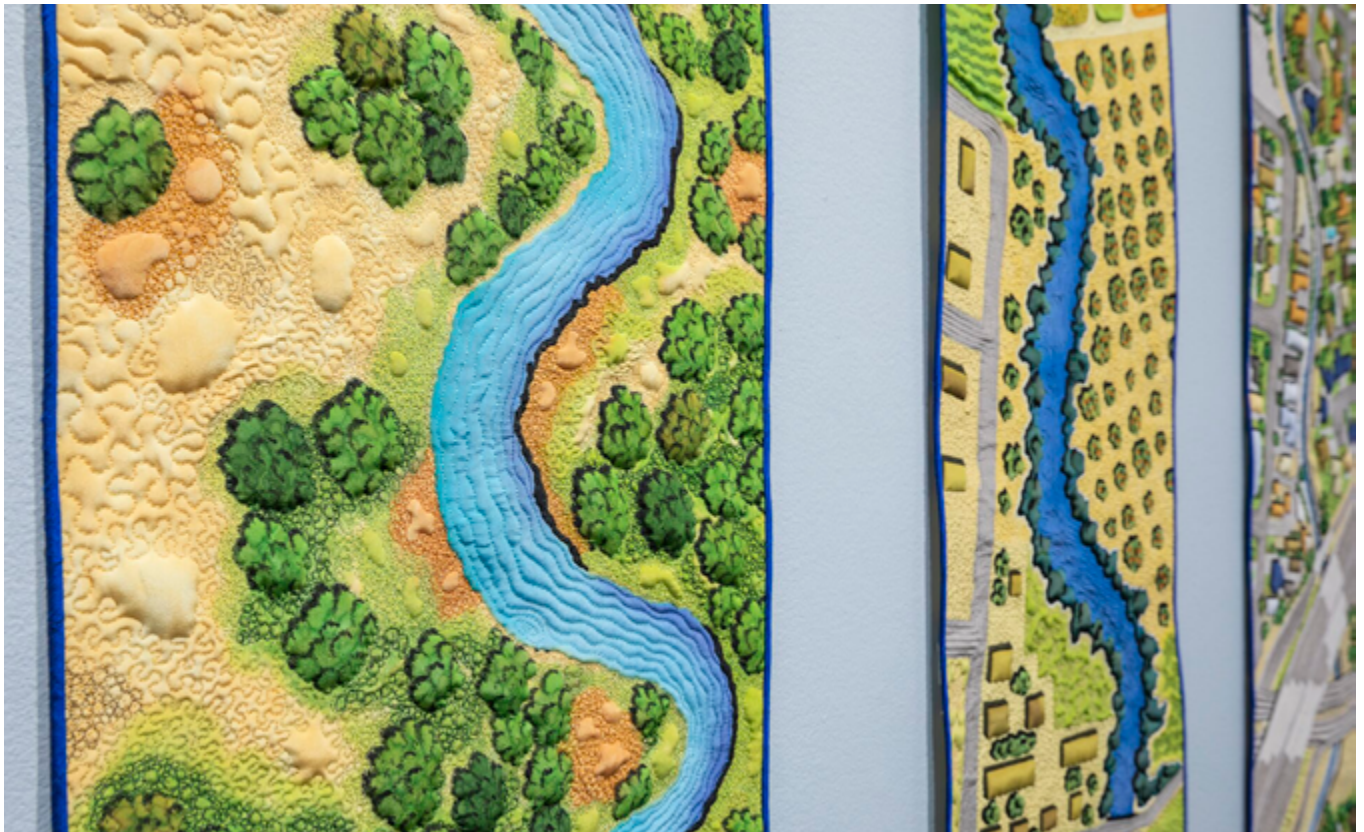
ARIEL ZACCHEO

Located in the Dogpatch district in San Francisco, the Museum of Craft and Design (MCD) has two timely exhibitions on view that explore the way creative individuals are addressing issues of climate change. *Survival Architecture and the Art of Resilience* brings together visionary architects and artists to consider artistically interpretive solutions and prototypes for emergency shelters. Large-scale and portable interactive architectural installations, photography, and drawings impress the importance and sociocultural relevance of emergency and survival housing in the age of climate change. Concurrently, the exhibition *Linda Gass: and then this happened...* highlights the work of Bay Area artist Linda Gass. The exhibit examines the human-made

and natural water infrastructures affecting the greater Bay Area, while considering present and future challenges with respect to climate change.

Although Linda Gass' exhibition is smaller in scale than *Survival Architecture and the Art of Resilience*, it carries a significant impact. The beauty of Gass' stitched paintings draws you in while shedding light on the impact of changing waterways, sea-level rise, fire, and drought in California. Gass' exhibition includes work that is hyperlocal in context, including *Dogpatch: the sea is rising* (2019), which examines the impact of sea-level rise on the Dogpatch neighborhood where MCD is located. This series shows three aerial street views of Dogpatch: as it looks today, how it would change after the impact of three feet of sea-level rise, and the devastation after six feet of sea-level rise. Another localized piece, *Severely Burned: Impact of the Rim Fire on the Tuolumne River Watershed* (2014) represents the devastation caused by the 2013 Rim Fire and the fire's effect on water resources for the city of San Francisco and many other Bay Area cities.

Gass comments, "Our current water infrastructure was designed during an era when our climate was more stable and the average annual rainfall was higher than it is now. Human development has permanently altered and destroyed



much of our natural water infrastructures, such as wetlands and watersheds. My textile, glass, and mixed-media artworks address these concerns—how our infrastructure and development policies are failing under climate chaos—and invite the viewer to ponder the question: ‘What can we do better?’”

A perfect complement to the conversation, *Survival Architecture and the Art of Resilience*, guest curated by Randy Jayne Rosenberg of Art Works for Change (AWFC), follows the idea that addressing climate change must include ensuring durable, long-term housing solutions for vulnerable populations. Tina Hovsepian’s *Cardborigami* (2016) installation showcases her lightweight, sustainable cardboard shelters that are big enough for two people to sleep in and can fold small enough to carry. In a similar vein, the projects and design concepts in the exhibition highlight how we need to rethink and develop robust housing designs that are flexible, resilient, and adaptable to survive the future effects of a changing environment.

Science, technology, architecture, and art converge within the *Survival Architecture* exhibition to question the nature of what it means to survive climate change and natural disasters. “Climate change represents a vastly different kind of environmental challenge, requiring out-of-the-box thinking in how we adapt to and survive the expected onslaught of extreme weather and other disruptions,” said Rosenberg. “Artists are uniquely adept at re-envisioning our world and how we relate to it, as this exhibition shows.”

Survival Architecture and the Art of Resilience and *Linda Gass: and then this happened...* are on view at the Museum of Craft and Design through May 3, 2020. Sierra Club members receive free admission to the Museum of Craft and Design with the mention of their Sierra Club membership. Visit sfmcd.org/events for special events including curator walkthroughs, MakeArt Family days, and related speaker events.

Ariel Zaccheo is the Assistant Curator of the Museum of Craft and Design.



Volunteer opportunity in Yosemite National Park

The Yosemite Conservation Heritage Center (formerly known as LeConte Memorial Lodge) is a National Historic Landmark that represents the rich heritage of the Sierra Club in Yosemite National Park. The building houses interpretive displays, a children’s library, a natural history library, and evening programs.

Since 1904, a curator and Sierra Club volunteers have provided information about the Sierra Club, the YCHC, and Yosemite National Park to park visitors. Today, each season, the YCHC welcomes over 15,000 visitors to the Sierra Club’s home in Yosemite Valley. *Volunteers are currently being sought to fill the 2020 season.*

Volunteers spend a week from Saturday to Saturday in Yosemite National Park assisting the Club’s curator, interacting with park visitors, and carrying on the Sierra Club tradition of encouraging visitors to enjoy, explore, and protect our natural environment.

The volunteer workweek consists of up to 25 hours of service in the YCHC, with Monday and Tuesday free days to explore Yosemite. This opportunity includes free admission to YNP and free camping in a group campsite with the other YCHC volunteers. Restricted to volunteers only; no family members, friends, or pets are permitted. Camping is limited to tents only and volunteers bring their own food and supplies. A brief application, liability waiver, and background check are required. Potential volunteers must:

- ◆ Be current Sierra Club members;
- ◆ Be outgoing and comfortable interacting with park visitors;
- ◆ Have visited Yosemite within the last two years and have current park knowledge;
- ◆ Be familiar with current Sierra Club programs and initiatives; and
- ◆ Be able to stand up for 3 hours per day.

To become a volunteer at YCHC, please contact Bonnie Gisel, curator, at bonnie.gisel@sierraclub.org.



PHOTO CREDIT; CONGERDESIGNS

An electrified home

DAVID FARLEY

Back in 2000, it was received wisdom that a natural gas house was preferable to an all-electric one. Natural gas was considered “clean” because it was said to produce relatively little local air pollution (actually, it produces a fair amount of NO_x), and it was also more efficient than using electric coils for heating. But this ignored a glaring fact—that natural gas is a fossil fuel that produces carbon dioxide when burned. Natural gas is also mostly methane, a potent greenhouse gas itself. Even though a small amount is leaked upstream, its leakage can nearly double its total climate impact. A couple of years ago I decided I’d like to make our home produce as much energy as it uses—zero net energy. I hired a consultant who asked what I meant. Huh, wasn’t this clear? I said I’d like a home appropriate for 2040. It occurred to me if I was going to do this, I couldn’t use natural gas.

Over the next year, we converted our house to all-electric, as well as lowering demand by insulating and reducing air leakage, and maxing out on rooftop solar panels. We added solar panels and we also starting using CleanPowerSF’s 100% renewable option. Our experience has been positive overall, so let me share with you what we did.

The big ticket item, both dollar-wise and environment-wise, was getting a heat pump. It’s electric and efficient—more so than natural gas in terms of energy. We’ve been happy with it. It can not only heat the house but cool it too. Living in San Francisco, I never saw the need for cooling, but it’s been great being able to on the few hot days. And, with global warming, this investment

will look better and better.

Another appliance we’ve been very happy with is our induction stove. It works by jiggling the molecules of a pot, heating the pot and its contents. My wife likes that it’s safer than other stoves because the surface stays cool except as heated by the pot. I like it because it’s quick. It can heat two cups of water in a minute flat, beating even a dedicated electric kettle. It’s also quite efficient, since all the energy goes to heating the pot, not a heating element or the surrounding air. Not all pots work with an induction stove. You can test which of your pots do by seeing if a magnet sticks to the bottom. If it does, it’ll work.

For hot water, we had solar thermal panels to preheat our water into an unplugged electric water heating tank. It was simple to take out the old natural gas tank and plug in the electric coil water heating tank to top off the preheated water. The only thing we are not enthusiastic about is our heat pump dryer. It’s noisy and takes quite a while to dry clothing. (They do come out really nice though!)

Our motivation for going all-electric was environmental. The latest UN report warns that no country is decarbonizing fast enough. It may not be possible to live without your car, or without flying, so switching from natural gas is something substantial we can do as individuals. It also looks like a good investment. Natural gas is an archaic 20th-century fuel. In 2040, looking back, you might be happy you spent the time to decarbonize your home like we did. (Then again, if past is prelude, you might be saying—we need all-hydrogen appliances!)

For more information, contact David Fairley at david.fairley7@gmail.com.



PHOTO CREDIT; MARIA GODFRIDA

ABOUT THIS CALENDAR

Activities listed here are abbreviated. For full listings, visit sierraclub.org/sfbay/activities. The online calendar will also include changes, cancellations, and outings submitted after the print deadline.

HIKE & BACKPACK RATINGS

Hike ratings are based on distance and elevation gain (the sum of all gains in elevation per day):

- | | |
|------------------|---------------------|
| 1. up to 6 miles | A. under 1,000 feet |
| 2. 6-10 miles | B. 1,000-2,000 feet |
| 3. 10-15 miles | C. 2,000-3,000 feet |
| 4. 15-20 miles | D. over 3,000 feet |
| 5. over 20 miles | E. over 3,500 feet |

Backpack ratings include a third digit for travel:

- T. trail
1. limited/easy crosscountry
 2. moderate crosscountry
 3. strenuous/difficult crosscountry

WHAT TO BRING

For day hikes, always bring lunch and enough water. Consider layered clothing, sunscreen, good hiking boots with treads, and hiking poles. Non-service dogs are allowed only if specified in the listing; canine hikers should bring leashes, litter bags, and water for their dogs.

LIABILITIES

To participate on a Sierra Club outing, you will need to sign a liability waiver. To read a copy of the waiver form, call (415) 977-5630, or visit <http://tinyurl.com/outingswaiver>.

PROBLEM RESOLUTION

If you have an outing-related concern that you are not able to address via the outing's leader, please contact the chair of the sponsoring section or group. If that is not sufficient, you can contact the Activities Committee ombudsman, Seth Feinberg, at sethfeinberg@yahoo.com or (510) 969-7151, or the Chapter office at (510) 848-0800.

CARPPOOLING

Carpooling helps the environment and allows people without cars to participate. If you are driving to a hike, please stop by the carpool point to pick up others. If you're a rider, pay a share of the expenses. Many activities are listed on the Chapter's Meetup site a couple weeks in advance of the event. Join the Meetup group and post a comment requesting or offering a ride at www.meetup.com/sanfranciscobay.

SPRING 20 OUTINGS CALENDAR

TUESDAYS

Lake Chabot Reservoir 1A hike. Scenic weekly three-mile hike followed by optional dinner at a local restaurant. **Meet** 4 PM at boathouse/cafe. **Costs** a park fee on street, \$5 in lot, or annual pass from East Bay Regional Park District. **By car**, from I-580 in San Leandro, take Fairmont Dr uphill and down. Follow the road as it curves to the right and becomes Lake Chabot Rd. Park entrance is on the left. **Leader** Dolores Gruenewald, (510) 351-6247, doloresgru@aol.com. **[SOLO SIERRANS]**

WEDNESDAYS

Lafayette Reservoir 1A hike. Enjoy the lovely weather while walking around the beautiful reservoir. We have both faster and slower walkers, or walk at your own pace. Optional dinner afterward. **Meet** 4 PM in parking lot. **Costs** five quarters for parking (1 hour, 15 minutes). **By car**, exit Highway 24 at Acalanes/Mount Diablo Blvd in Lafayette. Follow Mount Diablo Blvd east about ¾ mile. Turn right into the park and follow the road up to the parking area. Meet at the west end of the parking area, near the picnic tables and permanent bathrooms (to your right at the top of the entrance road). **Leader** Lee Cowden, (925) 934-6357. **[SOLO SIERRANS]**

MAR 15; APR 19; MAY 17 • SUN

Plant trees with the Sierra Club Tree Team service/stewardship. Looking for a small but impactful way to help in the fight against climate change, and green your community over a weekend? Volunteer to plant trees with the Sierra Club! Our Tree Team plants native trees in sidewalks all around Oakland. As these trees grow, they help to improve air quality, sequester carbon, and improve the environmental conditions of our neighborhoods. Many of the beautiful large trees you see along sidewalks are results of organizations like the Sierra Club, and we still have so much more to do. No experience is required, but volunteers should be ready to do some digging and get a bit dirty. (We'll teach you whatever you don't know—or take a peek at the guide here from our friends at Trees for Oakland: <http://www.treesforoaklandflatlands.org/plant-a-tree.html>.) **Bring** your friends and/or make new ones! You should be able to lift 30 pounds (half the weight of a new tree). Wear closed-toed shoes, clothes that you can get dirty, and a hat for sun protection; bring your own water and a snack. We'll provide the shovels, picks, brooms, and gloves. If you are bringing a minor, please let us know. **Meet** 10 AM at the back of Epic Charter School, 1045 Derby Ave, Oakland, CA 94601, near Fruitvale BART. The trees will be in other places around town, so please be on time so we can meet before we disperse. Google Maps will direct you to the 29th Ave side of the school. Go around the school (take a right on 12th St) to the other side on Derby Ave. Come in through the rolling gate. We can plant in light rain,

but if we decide to cancel because of heavier rain, we'll announce it here by 8 AM. **Ends 2 PM. Leader** Soo-Rae Hong, (650) 505-0110, sctreeplanting@gmail.com. [NORTH ALAMEDA COUNTY]

FEB 17; MAY 25 • MON

Luxurious Walking in Sunlight & Twilight: Being Zen Mindfulness Walk, Berkeley 1A walking. Slow, luxurious walking in the illumination of the sun rays or twilight, even in the California rainy season. We will be walking in our “being presence,” tuning into ourselves in silence with interludes of checking in at different gardens and parklets. Meet at a parklet outside of Zachary's, near Pegasus. The address is 1853 Solano Ave, Berkeley; nearest cross street is the Alameda. We will be moving about one or one and half miles an hour. It is designed to down-regulate your internal pace to assist in tuning into a deeper connection and presence with yourself. Clothes for the weather may include a hat for sunlight and a jacket or outerwear for a potential drop in temperature or light rain. Some people may want to bring water along. **Please RSVP** if you are attending so we know to look for you. **Meet 11:00 AM** at 1853 Solano Ave, Berkeley, CA 94707. **Ends 12:30 PM.** Activity is held in light mist or shine; steady or heavy rain cancels. **Leader** Halley Forest, sierragreenforest@gmail.com. [HIKING]

FEB 20 • THU

Dipsea Trail Hike 2C hike. Hike with us on this iconic Marin County trail from Mill Valley to Stinson Beach. We will start promptly at 9 as we need to catch a bus from Stinson to return to our cars. Lots of climbing and spectacular views. There may be some muddy sections, so wear good hiking boots and bring poles. Bring lunch, snacks, and plenty of water. The return bus fare is \$4.00 or a Clipper card. Any rain cancels. **Meet 9 AM** at Old Mill Park at the corner of Throckmorton and Old Mill Rd near Dipsea Trailhead, 98 Cascade Way, Mill Valley, CA 94941. Bathrooms are available here and at Stinson Beach. You may call me on the day of the hike at (510) 410-0032. **Ends 4:30 PM.** **Leader** Virginia Preston, (510) 559-8155, ginnypreston5@gmail.com. [SIERRA SINGLES]

FEB 23 • SUN

Mount Diablo Frog Pond & Green Ranch Hike 2C hike. We will descend into riparian Curry Canyon, climb through meadows and oak/pine woodland to secluded Frog Pond for lunch. We will then make a steep ascent through chaparral and pine country to the Green Ranch site and Oak Knoll before returning steeply downhill to our trailhead. Early season wildflowers should be abundant. Allow 6.5 hours for this 9-mile hike, with a **total elevation gain** of about 2100 feet. Be prepared to cross a creek that has washed out the fire road. Steady relaxed pace with a 30-minute lunch and other rest breaks. Be prepared for mud and poison oak. **Note** there is no restroom at the trailhead. Any rain cancels. **Park entry fee** \$10 per vehicle. **Bring** layered clothing, sturdy hiking shoes, lunch and plenty of water. **Meet 10 AM** at Mount Diablo SP Curry Point trailhead on South Gate Rd. **From Oakland**, take 24 East, 680 South, El Cerro exit, left on El Cerro which becomes Diablo Rd.,

left on Mount Diablo Scenic Blvd, which becomes South Gate Rd. Continue past fee station and park at Curry Pt, which is about ¾ of a mile past Rock City. Allow extra time on State Park roads due to cycle traffic safety regulations. **By carpool**, attendees are recommended to organize their own carpools where it is convenient for them at <http://www.meetup.com/sanfranciscobay/events>. Meetup will be posted 1–2 weeks prior to the event. **Leader** Jake Van Akkeren, (925) 933-3486, jvanakkeren@comcast.net. [MOUNT DIABLO GROUP]

FEB 23 • SUN

Deer Park to Pilot Knob 3C hike. We'll start in Deer Park and wind our way to Phoenix Lake as we head up to Pilot Knob for lunch and its jaw-dropping views. We head back on various trails. The miles are around 12 and **elevation gain** over 2000 feet. Steady rain cancels. **Meet 9 AM** at Fairfax Parkade, 1 Bolinas Rd, Fairfax, CA 94930, to carpool to Deer Park. **Leader** Tom Post, (415) 690-6572, tpost123@hotmail.com. [HIKING]

FEB 23; MAR 15; APR 19; MAY 17 • SUN

Luxurious Walking in Sunlight & Twilight: Being Zen Mindfulness Walk, Berkeley 1A walking. Slow, luxurious walking in the illumination of the sun rays or twilight, even in the California rainy season. We will be walking in our “being presence,” tuning into ourselves in silence with interludes of checking in at different gardens and parklets. Meet at a parklet outside of Zachary's, near Pegasus. The address is 1853 Solano Ave, Berkeley; nearest cross street is the Alameda. We will be moving about one or one and half miles an hour. It is designed to down-regulate your internal pace to assist in tuning into a deeper connection and presence with yourself. Clothes for the weather may include a hat for sunlight and a jacket or outerwear for a potential drop in temperature or light rain. Some people may want to bring water along. **Please RSVP** if you are attending so we know to look for you. Activity is held in light mist or shine; steady or heavy rain cancels. **Meet 11:00 AM** at 1853 Solano Ave, Berkeley, CA 94707. **Ends 12:30 PM.** **Leader** Halley Forest, sierragreenforest@gmail.com. [HIKING]

FEB 28 - MAR 1 • MON - SUN

Camp out on Mount Tamalpais car camping. The Rainbow Sierrans is excited to be offering a camping trip close to home. Come join us! While many of us spend a lot of time hiking on Mount Tam, not many have camped there. In February, a group of Rainbow Sierrans campers will get to hang out in the redwoods together at Alice Eastwood Group Camp. The campsite is located on the Panoramic Highway near the Mountain Home Inn. Our site has tables, grills, flush toilets, water faucets with sinks, and a decent area to set up tents. Rainbow Sierrans camping trips feature a variety of hikes as well as a potluck dinner one night and camaraderie around propane fire pits, with options for Follies (skits and home-grown entertainment), game night, singalongs and/or a dance party depending on the participants' interests. Registration is limited to 20 participants; first-come, first-served. You must be



a Rainbow Sierrans member to register; non-members must join the club in order to register. A detailed trip letter will be sent upon completion of registration. Activity is held rain or shine, but may be altered due to inclement weather. **Cost** is \$30 per person. **Meet** 2 PM at 801 Panoramic Highway, Mill Valley, CA 94941. **Ends** at noon. **Leader** Paget Valentzas, (415) 271-2945, pagetvalentzas@gmail.com. [SF BAY RAINBOW SIERRANS]

FEB 29; MAR 28; APR 25; MAY 30 • SAT

Corona Heights Natural Area Habitat Restoration service/stewardship. Corona Heights Natural Area (within Corona Heights Park) is one of over 30 natural areas managed by the San Francisco Rec & Parks Dept. More than 100 native plant species are recorded here and it is prime habitat for native and migrating birds, as well as one of San Francisco's best wildflower spots in the spring. Join us for our monthly workday to plant more native plants, nurture earlier plantings, and remove invasive species. Work is held rain or shine, and tools and gloves are provided. Children are welcome if accompanied by an adult. Dogs are not permitted. **Bring** layered clothing, long pants and sleeves, and closed-toed shoes. **Meet** at 10 AM on north side of Randall Children's Museum (parking lot is on south side). **Ends** at noon. **Leader** Russell Hartman, (650) 242-2679, rph1917@comcast.net. [SF BAY RAINBOW SIERRANS]

MAR 6 - 8 • FRI - SUN

Yosemite Snow Get-Away snowshoeing/X-country skiing. Let's experience Yosemite in its wintry attire with its snow-covered mountains, frosted trees, frozen waterfalls, ice, and a heap of activities including snowshoeing, downhill and cross-country skiing, tubing, hot cocoa, and quality time next to a roaring fireplace. We've secured accommodations at the Yosemite Bug, and a signup with detailed information has already been made available from end of December. **Meet** 8 AM. **Ends** 6 PM. **Leaders** Marian Stainbrook, (510) 673-7408, marian2049@att.net; and Jennifer Slovis, (415) 887-9334, jslovis@gmail.com. [SF BAY RAINBOW SIERRANS]

MAR 7 • SAT

Inner Sunset to the Lyon Street Stairs hike. This is a one-way walk through interesting neighborhoods to the Lyon Streets, with its lovely view of the bay. Return via Muni. Any rain cancels. **Cost** of \$3.00 for return Muni fare; seniors \$1.50. **Bring** lunch and liquids. **Meet** 10:15 AM at 9th and Irving St, NE Corner, San Francisco, CA 94122. **By public transit**, take N Judah or 44 Muni. You can also take 6 or 43 Muni and walk one block north to 9th and Irving, or 7 Muni and walk one block south to 9th and Irving. **Ends** 3 PM. **Leader** Gloria Navarra, (415) 731-6144. [HIKING]

MAR 7 • SAT

Mount Tam - In Search of Calypso Orchids 3B hike. Circumnavigate Mount Tam as we go in search of calypso orchids. Exact route will be determined by leader's whim, but be prepared for a full day out. Moderate pace; not for speed demons or gazelles, but not a beginner's hike. Any rain cancels. **Cost** is free. **Bring** lunch, liquids, and weather-appropriate clothing. **Meet** 9:15 AM at Mountain Home, Mount Tamalpais State Park, Mill Valley, California 94941. **By public transit**, accessible via 7:22 AM #30 Golden Gate Bus from SF Civic Center (McAllister St and Hyde St). Transfer to 8:20 AM #61 West Marin Stage at Marin City. **By carpool**, can be arranged through the Chapter's Meetup site at <http://www.meetup.com/sanfranciscobay>. Join as a member and post a comment requesting or offering a ride. Hike will be posted on Meetup about one week prior to the event. You may also contact the leader if you need or can offer a ride. **Ends** 5:45 PM. **Leader** Bob Solotar, (510) 525-2110, bob_solotar@hotmail.com. [HIKING]

MAR 7 • SAT

Sierra Singles Alamere Falls Hike 3B hike. Located in the southern section of Point Reyes National Seashore, Alamere Falls is a rare tidfall: a waterfall that flows directly into the ocean. We will hike out to the falls from the Palomarin trailhead on Coast Trail through a variety of terrains! **Meet** 10 AM at Alamere



Falls, Palomarin Trailhead, Bolinas, CA. **Leader** Jeffrey Sanchez, (510) 599-5238 (no texts please; email only!), amagi@pacbell.net. **[SIERRA SINGLES]**

MAR 8 • SUN

Moonlight Hike Mission Peak 2C hike. Moonlight hike from Ohlone College to Mission Peak summit on the Peak Trail. Headlamps or flashlights recommended for short sections of the trail but the objective is to enjoy hiking in the moonlight with no or very limited artificial illumination. **Level** Moderate ++ (2C). Not a beginner's hike, as this hike will be difficult for new hikers, hikers out of shape, or those with phobias about hiking at night. We will stop on a regular basis but must complete the hike by 10 PM when the park closes. This means we have 3.5 hours to complete a 7-mile hike with significant elevation gain. If you are unsure about your physical condition, please hike another day where the time required to complete the hike is not an issue. Exiting the park after 10 PM can lead to a misdemeanor charge of trespassing by EBRPD. Snow and/or heavy rain will cancel the hike. **Cost** of \$4.00 parking fee if you park in the Ohlone College multi-story garage on weekdays or Saturdays. Free on school holidays and if you park on Mission Boulevard, and walk onto campus. **Bring** two liters of water, lamp, snacks, layered clothing, and enthusiasm. Recommend well-fitting boots for traction and ankle support. Hiking poles may be helpful. **Meet** 6:30 PM at Mission Peak Trail Head near Parking Garage. The Pine Street Parking Garage is on the Ohlone College campus and is located at the north end of Pine Street, which is accessed off Mission Boulevard. **Ends** 10 PM. **By carpool**, we recommend you arrange your own carpools where it is most convenient for you. We will meet at the trailhead, which is near the tennis courts. We enter the park at the Ohlone College trailhead to the Peak Trail. **Leader** William Yragui, (650) 642-5150, wyragai@missionpeakconservancy.net. **[SOUTH ALAMEDA COUNTY]**

MAR 10 • TUE

Luxurious Walking in Sunlight & Twilight: Being Zen Mindfulness Walk, Berkeley 1A walking. Slow, luxurious walking in the illumination of the sun rays or twilight, even in the California rainy season. We will be walking in our “being presence,” tuning into ourselves in silence with interludes of checking in at different gardens and parklets. Meet at a parklet outside of Zachary's, near Pegasus. The address is 1853 Solano Ave, Berkeley; nearest cross street is the Alameda. We will be moving about one or one and half miles an hour. It is designed to down-regulate your internal pace to assist in tuning into a deeper connection and presence with yourself. Clothes for the weather may include a hat for sunlight and a jacket or outerwear for a potential drop in temperature or light rain. Some people may want to bring water along. **Please RSVP** if you are attending so we know to look for you. Activity is held in light mist or shine; steady or heavy rain cancels. **Meet** 6:00 PM at 1853 Solano Ave, Berkeley, CA 94707. **Ends** 7:30 PM. **Leader** Halley Forest, sierragreenforest@gmail.com. **[HIKING]**

MAR 13 - MAR 14 • FRI - SAT

Yosemite: Dewey Point Snowshoe backpack. Note that this is a Friday/Saturday trip. Snowshoe about 3.5 miles each way; small **elevation change**. Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Cost** of \$35. **Bring** all the personal items needed for winter camping as you learned in the Sierra Club training series. We will arrange food groups for cooking. **Meet** 8 AM at Yosemite National Park. **Ends** 5 PM. **By carpool**, registered participants will be emailed a participants list prior to the trip. **Leaders** Danielle Henkel, (614) 406-1329, danielle.henkel@gmail.com; Baker Renneckar, bakerrenneckar@gmail.com; Nathan Chan, (321) 226-8250, chan.nathan.th@gmail.com. **[SNOW CAMPING]**



MAR 14 - MAR 15 • SAT - SUN

Snowcamping On Skis in Lassen NP—Ridge Lakes snowshoeing/X-country skiing. This is a ski trip. We will meet Saturday morning at the Southern Entrance of Lassen NP and ski in a mile or so, with a gentle 200-foot **elevation gain**. We will set up camp and then explore the Ridge Lake area, doing some turns and practicing our backcountry skills. On Sunday, we will have breakfast and take down camp, then do some further skiing. Depending on the weather, we'll plan to be back at the cars after lunch. Group limited to 10 participants. Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Cost** of \$35. Bring \$10 cash or a National Parks yearly pass for entry to the park. **Bring** all the personal items needed for winter camping as you learned in SC training series. We will arrange food groups for cooking. **Meet** 9 AM at Lassen Volcanic National Park, California. **For directions**, participants accepted to this outing will be provided with additional emails with trip information, as well as a Google Doc link used to coordinate trip logistics. **Ends** 3 PM. **By carpool**, carpooling is encouraged for this trip, but not required. **Leaders** Michael Bandrowski, (510) 834-3235, mike.bandrowski@gmail.com; Jocelyne Sleckman, (415) 664-6330, jocelsleck@cs.com. **[SNOW CAMPING]**

MAR 14 - MAR 15 • SAT - SUN

The Ohlone Wilderness Backpacking Trip backpack. The Rainbow Sierrans Backpacking Section is *back!* We are opening the season with a two-day backpacking trip to one of our local gems: the Ohlone Wilderness. **Meet** 9 AM at 1895 Geary Rd, Sunol, CA 94586. **Ends** 6 PM. **Leaders** Maria Teresa Garcia De La Noceda, (510) 725-8405 (no text messages please!), estella.cycling@gmail.com; Paget Valentzas, (415) 271-2945, pagetvalentzas@gmail.com. **[SF BAY RAINBOW SIERRANS]**

MAR 15; APR 19; MAY 17 • SUN

Tree Planting service/stewardship. The Rainbow Tree Team rides again! Let's do our bit to alleviate climate change. We'll join Sierra Club's San Francisco Bay Chapter volunteers to plant trees around Oakland. No experience necessary; training provided! **Meet** 10 AM at the Epic Charter School at 1045 Derby. Enter through the rolling gate on Derby Ave. **Bring** water, snacks, hat, and sunscreen. Wear boots and clothes you don't mind getting dirty. **Ends** 2 PM. **By carpool**, use the Rainbow Sierrans Meetup comments section to offer or look for a ride. **Leader** Pam LoPinto, (415) 640-7593, pamlo@att.net. **[SF BAY RAINBOW SIERRANS]**

MAR 15 • SUN

Backpack Beginners Course 2020 2BT backpack. The course is addressed towards people with little or no experience in backpacking, but want to explore backcountry trails and get away from the crowds. The course consists of a full-day indoor session on Sunday, March 15, including a series of short lectures, discussions, slide- and equipment show and an overnight field trip at a weekend (Sat/Sun) at April/May in small groups led by experienced instructors. **Costs** \$90. For participants of ages 12–22, a reduced fee of \$45 applies. We will refund your money if we have to refuse your application due to physical or medical conditions; if the course is full; or in the event that the Sierra Club has to cancel. No refund will be given if a participant cancels. **Bring** yourself; we strongly recommend to wait till you have attended the indoor seminar before purchasing any gear. **Meet** 9:30 AM at 314 Warm Springs Rd, Kenwood, CA 95452. **By carpool**, getting to and from the course venue and the field trip location is the sole responsibility of each participant. A roster will be provided to all confirmed participants so that they can arrange ride-sharing among themselves. We recommend that riders and drivers agree in advance about sharing costs. Using public transportation is *not* an option. **Leader** Thomas Meissner, (707) 795-7980, meissner.thomas@sbcglobal.net. **[BACKPACKING]**



MAR 15 • SUN

Alameda Bay Farm Island & Harbor Bay Shoreline Walk 1A bike.

Explore the Bay Shoreline and lagoons of Harbor Bay Isle, with great views of the open water and San Francisco skyline. Over five flat and very scenic miles. **Meet** 1:30 PM at Towata Park, Alameda, CA 94501. **Bring** snacks and water; weather-appropriate clothing. **By transit**, accessible via #21 AC Transit bus from Fruitvale BART station to Otis and High St. Any rain cancels. **Ends** 4:45 PM. **Leaders** Bob Solotar, (510) 525-2110, bob_solotar@hotmail.com; Caprice Solotar, (510) 525-2110. **[HIKING]**

MAR 21; MAR 28; APR 11; APR 25; MAY 9; MAY 23 • SAT

Luxurious Walking in Sunlight & Twilight: Being Zen Mindfulness Walk, Berkeley 1A walking.

Slow, luxurious walking in the illumination of the sun rays or twilight, even in the California rainy season. We will be walking in our “being presence,” tuning into ourselves in silence with interludes of checking in at different gardens and parklets. Meet at a parklet outside of Zachary’s, near Pegasus. The address is 1853 Solano Ave, Berkeley; nearest cross street is the Alameda. We will be moving about one or one and half miles an hour. It is designed to down-regulate your internal pace to assist in tuning into a deeper connection and presence with yourself. Clothes for the weather may include a hat for sunlight and a jacket or outerwear for a potential drop in temperature or light rain. Some people may want to bring water along. **Please RSVP** if you are attending so we know to look for you. Activity is held in light mist or shine; steady or heavy rain cancels. **Meet** 11:00 AM at 1853 Solano Ave, Berkeley, CA 94707. **Ends** 12:30 PM. **Leader** Halley Forest, sierragreenforest@gmail.com. **[HIKING]**

MAR 21 • SAT

Henry Coe Madrone Soda Springs and China Hole Day Hike 2B/3B bike.

Join Steve Bakaley on a leisurely- to moderately-paced day hike to Madrone Soda Springs and China Hole. Distance of 10.3 miles. **Gross elevation gain** approximately 1400 feet. Any

rain cancels. **Costs** an \$8 parking fee. **Bring** lunch, snacks, layered clothing, and plenty of liquids. There are potential potable water sources on the route, but they are unreliable. **Meet** 10 AM at Henry Coe Ranch Visitor Center. **By car**, take E. Dunne Ave exit on Highway 101 toward the hills. Go east past Anderson Lake to the end of the county road to the park headquarters. The road to the park beyond Anderson Lake is 10 miles of narrow, winding road. The trip will take about 30 minutes. **By carpool**, please arrange your own carpools where it is convenient for you on <http://www.meetup.com/sanfranciscobay>. Hike will be listed there 2–3 weeks prior to the event. **Ends** 4:30 PM. **Leader** Steve Bakaley, slbakaley@gmail.com. **[MOUNT DIABLO & SANTA CRUZ COUNTY GROUPS]**

MAR 21 - MAR 23 • SAT - MON

Lassen NP: Lake Helen (March trip) snowshoeing/X-country skiing.

This is a two-night trip. We’ll meet Saturday morning at the Southern Entrance of Lassen NP at 9:30 AM, packed and ready to hike. We’ll hike in from 6700 feet to 8169 feet in roughly 6.5 miles. On Sunday, we’ll do a day hike or you may relax in camp. On Monday, we’ll leave after breakfast and tearing down our camp, returning to the parking lot early enough for the 6-hour drive back to the Bay Area. We may need to choose a location other than Lake Helen if the snow on the route to the lake is not consolidated, as trail breaking for 6+ miles would be too strenuous. Location will also depend on weather and avalanche advisory. Same is true for the Sunday day hike. Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Costs** \$35 and applicable park entry fee. **Meet** 9 AM at Volcanic Legacy Scenic Byway, Mill Creek, CA 96061. **By carpool**, we will set up a doc to facilitate carpooling. **Ends** 6 PM. **Leaders** Molly Rose, (614) 390-8774,



mollyrose223@gmail.com; Robert Schuur, (510) 601-5301, rajschuur@yahoo.com. [SNOW CAMPING]

MAR 21 - MAR 22 • SAT - SUN

Carson Pass: Winnemucca Lake Snowcamp snowshoeing/X-country skiing. An easy overnight trip from Carson Pass snowpark to Winnemucca Lake. Participants should plan to stay Friday night in South Lake Tahoe. Saturday morning we will have breakfast and drive to Carson Pass to park cars. We'll then snowshoe to Winnemucca Lake, a distance of about 3 miles, set up camp and, if time allows, snowshoe to a nearby peak in the afternoon. On Sunday we will break camp and head back to the cars. Limited to 12 participants. New and recent alumni snow-campers are welcome. Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Costs** \$35. **Bring** all the personal items needed for winter camping as you learned in SC training series. We will arrange food groups for cooking. **Meet** 8 AM at Winnemucca Lake. **For directions**, participants accepted to this outing will be provided with additional emails with trip information. Information will be provided on location for Friday night. **By carpool**, participants are encouraged for this trip, but not required. **Ends** 3 PM. **Leaders** Roger Williams, (415) 601-2079, rogerw@outlook.com; Sanjay Reddy, (925) 828-3229, redaysanjay@comcast.net; Syrago Petropoulou, (919) 428-0303, sissy_p@hotmail.com. [SNOW CAMPING]

MAR 22 • SUN

Spring Saunter in Shell Ridge 1A hike. Spring has finally sprung! Time to head outdoors and greet our early-season wildflowers. This hike takes us over high ridges, across rolling valleys, and along steep canyons in Shell Ridge Open Space. Along the way, we'll enjoy great vistas, springtime flora, fossils from a prehistoric

sea, and a vernal pond or two. This is a 4½-mile nature hike with several hundred feet in **elevation change**. Any rain cancels. **Cost** is free. **Bring** layered clothes, wear good hiking shoes, and bring water, snack or lunch. **Meet** 9 AM at 1035 Castle Rock Rd, Walnut Creek, CA 94598. We'll assemble near the Patrick Hanna Grove picnic area in Borges Ranch. There are restrooms at our meeting location. **Ends** 12:30 PM. **Leaders** Ken Lavin, (925) 852-8778, ken_lavin@hotmail.com; Elizabeth Watson, sweettrailsoo@gmail.com. [MOUNT DIABLO GROUP]

MAR 27 - MAR 29 • FRI - SUN

Slide Ranch Rainbow Sierrans Family Campout Rainbow Sierran Families car camping. Calling all families! Would you and your children like to join us for the second LGBTQ Family Campout at Slide Ranch in Marin County? Activities include goat milking, tide-pooling, hiking, feeding chickens and collecting eggs, cheesemaking, and bread-making. Activities held rain or shine, but may be altered due to inclement weather. **Costs** \$40 per person. **Bring** camping gear: tent, sleeping bags, and food. **Meet** noon at Slide Ranch, 2025 Shoreline Highway, Muir Beach, CA 94965. **Ends** 6 PM. **Leader** Heather Muhr, hmuhr2008@gmail.com. [SF BAY RAINBOW SIERRANS]

MAR 28 • SAT

Black Diamond Mines Hike 2C hike. Located just north of Mount Diablo, this preserve features a variety of vegetation and wildlife. Our 8-mile hike offers beautiful views, pleasant woods, and historic sites. While the pace will be moderate, be prepared for several steep climbs and possibly muddy trails. **Cost** is free. **Bring** lunch, snacks, and a good supply of water. Wear hiking boots and layered clothing. **Meet** 10:30 AM at Black Diamond Mines Regional Preserve, 5175 Somersville Rd, Antioch, CA 94509. Meet at the Somersville Staging Area parking lot (*not* the Visitor Center parking lot). **By car**, from Highway 4 in Antioch, take the Auto Center Dr/Somersville Rd exit. For Google maps, use 5175 Somersville Rd. **Leader** Jeffrey Sanchez,



(510) 599-5238 (no texts please; email only!), amagi@pacbell.net.
[SIERRA SINGLES]

MAR 28 - MAR 30 • SAT - MON

Alumni Trip to Desolation Wilderness snowshoeing/X-country skiing. Tamarack Lake/Desolation Wilderness. Rain cancels. Light to moderate snow does not (as long as the roads are open). Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Costs** \$35 to the snowcamping section and \$10 for permit at the trailhead. **Bring** tents. Do not plan on enough time in camp on Saturday for snow caves. We will also organize the sharing of stoves and cooking gear. You should plan on two breakfasts, two lunches, and snacks. We'll organize shared dinners. **Meet** 9 AM at 9280 Echo Lakes Rd, Echo Lake, CA 95721. **By carpool**, yes. **Ends** 6 PM. **Leaders** Lorrie Poch, (415) 377-6277, lorriepoch@gmail.com; Susan Barbour, cs8paz@gmail.com. [SNOW CAMPING]

MAR 28 - MAR 29 • SAT - SUN

Explore Mount Tallac Basin (South Lake Tahoe) snowshoeing/X-country skiing. This trip explores the Mount Tallac drainage basin in the South Lake Tahoe Area. We will start the hike from Taylor Creek Sno-Park and head in a southwesterly direction along the ridge adjoining Fallen Leaf Lake. The steady climb will take us to Floating Island Lake, our destination for the day. We will set up camp/kitchen and spend the rest of the day exploring the area while enjoying views of Mount Tallac. This is a repeat of the trip attempted in 2019, where we experienced heavy snow levels and were not able to make it to our planned destination. Distance and elevation, about 2.5 miles one way and 500 feet **elevation gain** to camp. Participants must be alumni of the San Francisco Bay Chapter's Snowcamping Training Series. Trip lim-

ited to 10 participants. Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Costs** \$35. **Meet** 9 AM at Cathedral Rd, South Lake Tahoe, CA 96150. **Bring** all the personal items needed for winter camping as you learned in SC training series. We will arrange food groups for cooking. **For directions**, participants accepted to this outing will be provided with additional emails with trip information. Information will be provided on location for Friday night. **Ends** 3 PM. **By carpool**, participants are encouraged for this trip, but not required. **Leaders** Sanjay Reddy, (925) 828-3229, redmysanjay@comcast.net; Michael Bandrowski, (510) 834-3235, mike.bandrowski@gmail.com. [SNOW CAMPING]

MAR 28 • SAT

San José History Walk 3A bike. An all-day educational walk in downtown San José, featuring local history and architecture. **Meet** 10 AM in front of Diridon Caltrain Station (off The Alameda-Santa Clara) in downtown San José. Return to start about 5:30 PM. Any rain cancels. **Costs** \$5 car parking in the furthest Diridon Caltrain parking lot (past all lots directly in front of the station). It may cost more in nearer lots on special event days. **Bring** lunch, liquids, and money for post-walk dinner at a restaurant in San José. **Meet** 10 AM at San Jose Diridon Station, 65 Cahill St, San José, CA 95110. **For directions**, take Caltrain; or, if driving, go to Diridon Station on Cahill Street from The Alameda-Santa Clara streets in downtown San José. **Leader** Guy Mayes, (510) 522-1590. [HIKING]

MAR 29 • SUN

O'Hair Park to Indian Tree 3C bike. We will start in O'Hair Park and amble our way through the Redwoods to reach Indian Tree and its spectacular views. Miles are around 13+ and **elevation gain**



is 2000 feet. Steady rain cancels. **Meet** 9 AM at the corner of Sutro Ave and Novato Blvd, Novato, CA 94947. **By car**, take Atherton Ave exit in Novato and stay on it as it becomes San Marin Dr. Follow that, and once you cross Novato Blvd, it becomes Sutro Ave. **Leader** Tom Post, (415) 690-6572, tpost123@hotmail.com. **[HIKING]**

MAR 30; APR 6; APR 20; MAY 4 • MON
Luxurious Walking in Sunlight & Twilight: Being Zen Mindfulness Walk, Berkeley 1A walking. Slow, luxurious walking in the illumination of the sun rays or twilight, even in the California rainy season. We will be walking in our “being presence,” tuning into ourselves in silence with interludes of checking in at different gardens and parklets. Meet at a parklet outside of Zachary’s, near Pegasus. The address is 1853 Solano Ave, Berkeley; nearest cross street is the Alameda. We will be moving about one or one and half miles an hour. It is designed to down-regulate your internal pace to assist in tuning into a deeper connection and presence with yourself. Clothes for the weather may include a hat for sunlight and a jacket or outerwear for a potential drop in temperature or light rain. Some people may want to bring water along. **Please RSVP** if you are attending so we know to look for you. Activity is held in light mist or shine; steady or heavy rain cancels. **Meet** 6:00 PM at 1853 Solano Ave, Berkeley, CA 94707. **Ends** 7:30 PM. **Leader** Halley Forest, sierragreenforest@gmail.com. **[HIKING]**

APR 4 - APR 6 • SAT - MON
Winter Photography Lovers Paradise – Martis Peak snowshoeing/X-country skiing. Saturday to Monday, join us for a two-night photography adventure in the Martis Peak area, north of Lake Tahoe. We’ll take time to experiment and practice shooting snow landscapes, the lake, and peaks overlooking Tahoe. All camera types welcome, including mobile phones. Our route begins at Brockway Summit Trailhead at 7200 feet along the Tahoe Rim Trail, and within 1.5 miles Lake Tahoe is in view. We’ll camp at about 2 miles along the trail to Martis Peak and make time for sunset shots. On Sunday, a steady, approximately 4-mile climb

will take us to the lookout tower and Martis Peak, to enjoy breathtaking panoramic vistas. You also have the option to relax at camp and explore exceptional lake views. We’ll emphasize shooting during the golden hours. If we’re treated to a starry sky, we’ll shoot at twilight and into the night. We’ll convene at Brockway Summit Trailhead, Tahoe Rim Trail, which is accessible from Highway 267, 9.2 miles from Truckee. Option to meet the group at the trailhead on Saturday morning or stay in the Tahoe area on Friday night. Participants who have been accepted on the trip and paid will receive a full refund if the leader cancels the trip for any reason. If a participant is accepted and pays for a trip that is waitlisted, but does not get on the trip, they will receive a full refund at the end of the season (April). If a participant is accepted and pays, but subsequently cancels from the trip, they will not receive a refund. **Costs** \$35. **Bring** all the personal items needed for winter camping as you learned in SC training series. We will arrange food groups for cooking. **Meet** 8 AM at Brockway Summit Tahoe Rim Trail Trailhead, Tahoe Rim Trail, Tahoe Vista, CA 96148. **For directions**, participants accepted to this outing will be provided with additional emails with trip information. Information will be provided on location for Friday night. **Ends** 2 PM. **By carpool**, participants are encouraged for this trip, but not required. **Leaders** Cynthia Knowles, (415) 845-2357, cynthiapatagonia@yahoo.com; Jocelyne Sleckman, (415) 664-6330, jocelsleck@cs.com. **[SNOW CAMPING]**

APR 9 • THU
Moonlight Hike Mission Peak 2C hike. Moonlight hike from Ohlone College to Mission Peak summit on the Peak Trail. Headlamps or flashlights recommended for short sections of the trail but the objective is to enjoy hiking in the moonlight with no or very limited artificial illumination. **Level** Moderate ++ (2C). Not a beginner’s hike, as this hike will be difficult for new hikers, hikers out of shape, or those with phobias about hiking at night. We will stop on a regular basis but must complete the hike by 10 PM when the park closes. This means we have 3.5 hours to com-



plete a 7-mile hike with significant elevation gain. If you are unsure about your physical condition, please hike another day where the time required to complete the hike is not an issue. Exiting the park after 10 PM can lead to a misdemeanor charge of trespassing by EBRPD. Snow and/or heavy rain will cancel the hike. **Cost** of \$4.00 parking fee if you park in the Ohlone College multi-story garage on weekdays or Saturdays. Free on school holidays and if you park on Mission Boulevard, and walk onto campus. **Bring** two liters of water, lamp, snacks, layered clothing, and enthusiasm. Recommend well-fitting boots for traction and ankle support. Hiking poles may be helpful. **Meet** 6:30 PM at Mission Peak Trail Head near Parking Garage. The Pine Street Parking Garage is on the Ohlone College campus and is located at the north end of Pine Street, which is accessed off Mission Boulevard. **Ends** 10 PM. **By carpool**, we recommend you arrange your own carpools where it is most convenient for you. We will meet at the trailhead, which is near the tennis courts. We enter the park at the Ohlone College trailhead to the Peak Trail. **Leader** William Yragui, (650) 642-5150, wyragui@missionpeakconservancy.net. **[SOUTH ALAMEDA COUNTY]**

APR 18 • SAT

Parks and Paths of Albany, Berkeley, and Kensington 2A hike. Walk many pathways connecting small parks (containing big boulders) in Albany, Berkeley, and Kensington. Many stairs, but a leisurely pace. We'll convene near a restroom at rear of Albany Memorial Park (located at Portland Ave and Carmel Ave in Albany). Return to Solano Ave (not too far from start of walk) by 5 PM. Any rain cancels. **Bring** lunch, liquids, and money for post-walk dinner at a local restaurant. **Meet** 11 AM at Memorial Park, Albany, CA 94706. **By car**, exit Interstate 80 in Albany and proceed to San Pablo Ave. Then, go north on San Pablo and right on Solano Ave to Carmel Ave. Go left on Carmel two blocks to Albany Memorial Park. Meet at rear of park near restrooms. **By BART**, the nearest BART Station is El Cerrito Plaza BART. From there, walk west on Fairmont to San Pablo Ave. Then, go

south on San Pablo to Portland Ave and then east to Albany Memorial Park. The park is less than two miles from El Cerrito Plaza BART Station. **Leader** Guy Mayes, (510) 522-1590. **[HIKING]**

APR 18 • SAT

Tomales Bluff Hike 2B hike. The bells toll as bay meets sea at land's end on a leisurely-paced, 10 miles–1000 feet **elevation gain** hike along the moors of the northern tip of Point Reyes. Any rain cancels. **Cost** is free. **Bring** lunch, liquids, and warm layered clothing (it gets foggy and windy at the Point). **Meet** 11 AM at Pierce Point Ranch Parking Lot. **By car**, take Highway 101 to Central San Rafael exit. Go left on Third Street and follow road through San Rafael and San Anselmo until it merges with Sir Francis Drake. Bear right at junction and follow Sir Francis Drake to end in Olema. Go right on Highway 1 approximately one mile to the road to Inverness (watch for the sign). Drive through Inverness (road becomes Sir Francis Drake) to Pierce Point Road. Go right on Pierce Point Road to end at the trailhead. **By carpool**, recommended that attendees organize their own carpools where it is convenient for them at <http://www.meetup.com/sanfrancisco-bay/events>. Meetup will be posted 2-3 weeks prior to the event. **Ends** 5 PM. **Leader** Steve Bakaley, slbakaley@gmail.com. **[HIKING & SANTA CRUZ GROUP]**

APR 25 • SAT

Glen Park and its Canyon 1B walk hike. This is a walk through the side streets and canyon of Glen Park. Any rain cancels. **Bring** lunch and liquids. **Meet** 10:15 AM at Glen Park Station, 2901 Diamond St, San Francisco, CA 94131. **By transit**, in addition to BART, you can take the 23, 35, 44, or 52 Muni. **Ends** 3:30 PM. **Leader** Gloria Navarra, (415) 731-6144. **[HIKING]**

APR 26 • SUN

Pacifica Ridgetops 3B hike. Visit three units of the GGNRA in Pacifica for panoramic vistas and a wildflower hotspot. See where the Bay was first viewed by the Spanish and learn how the area



was saved from development. Any rain cancels. **Meet** 10:30 AM at NE Corner Oceana and Paloma Aves, Pacifica, CA 94044. **By transit**, accessible via 9:45 AM 110 SaMountrans bus from Daly City BART to Paloma Ave & Oceana Blvd. **By carpool**, can be arranged through the Chapter's Meetup site at <http://www.meetup.com/sanfranciscobay>. Join as a member and post a comment requesting or offering a ride. Hike will be posted on Meetup about one week prior to the event. You may also contact the leader if you need or can offer a ride. **Ends** 6 PM. **Leader** Bob Solotar, (510) 525-2110, bob_solotar@hotmail.com. **[HIKING]**

MAY 2 • SAT

Mission and Monument Peaks From the Wild East Side 3C hike. Climb Mission Peak from the wild east side, and continue on to Monument Peak. Moderate pace. Not for speed demons or gazelles, but not a beginner's hike. Hikers with relaxed attitudes especially welcome. Ohlone Trail Permit required (\$2 per person, purchase at entry station). Steady rain cancels. **Costs** \$5 per car park entry fee, plus \$2 per person for trail permit. **Meet** 10 AM at Visitor Center, Sunol Regional Wilderness. **Ends** 6:45 PM. **By carpool**, can be arranged through the Chapter's Meetup site at <http://www.meetup.com/sanfranciscobay>. Join as a member and post a comment requesting or offering a ride. You may also contact the leader if you need or can offer a ride. **Leader** Bob Solotar, (510) 525-2110, bob_solotar@hotmail.com. **[HIKING]**

MAY 6 • WED

Moonlight Hike Mission Peak 2C hike. Moonlight hike from Ohlone College to Mission Peak summit on the Peak Trail. Headlamps or flashlights recommended for short sections of the trail but the objective is to enjoy hiking in the moonlight with no or very limited artificial illumination. **Level** Moderate ++ (2C). Not a beginner's hike, as this hike will be difficult for new hikers, hikers out of shape, or those with phobias about hiking at night. We will stop on a regular basis but must complete the hike by 10 PM when the park closes. This means we have 3.5 hours to com-

plete a 7-mile hike with significant elevation gain. If you are unsure about your physical condition, please hike another day where the time required to complete the hike is not an issue. Exiting the park after 10 PM can lead to a misdemeanor charge of trespassing by EBRPD. Snow and/or heavy rain will cancel the hike. **Cost** of \$4.00 parking fee if you park in the Ohlone College multi-story garage on weekdays or Saturdays. Free on school holidays and if you park on Mission Boulevard, and walk onto campus. **Bring** two liters of water, lamp, snacks, layered clothing, and enthusiasm. Recommend well-fitting boots for traction and ankle support. Hiking poles may be helpful. **Meet** 6:30 PM at Mission Peak Trail Head near Parking Garage. The Pine Street Parking Garage is on the Ohlone College campus and is located at the north end of Pine Street, which is accessed off Mission Boulevard. **Ends** 10 PM. **By carpool**, we recommend you arrange your own carpools where it is most convenient for you. We will meet at the trailhead, which is near the tennis courts. We enter the park at the Ohlone College trailhead to the Peak Trail. **Leader** William Yragui, (650) 642-5150, wyragui@missionpeakconservancy.net. **[SOUTH ALAMEDA COUNTY]**

MAY 16 • SAT

Butano State Park Day Hike 3B hike. Take a leisurely- to moderately-paced day hike through varied terrain (giant redwoods, pines, oak, and manzanita) in this lovely coastal park. Distance of 11 miles. **Elevation gain** about 1500+ feet. Any rain cancels. **Costs** \$10 for the parking fee. **Bring** lunch and plenty of liquids. There is no potable water on the route. This is yellow jacket season: if you are allergic, bring necessary medication and alert the leader at the start of hike. **Meet** 10 AM at Entrance Kiosk Butano State Park. **Ends** 6 PM. **By carpool**, please arrange your own carpools where it is convenient for you at <http://www.meetup.com/sanfranciscobay/events>; hike will be listed there 2-3 weeks prior to the event. **Leader** Steve Bakaley, (831) 612-6575, slbakaley@gmail.com. **[MOUNT DIABLO & SANTA CRUZ COUNTY GROUPS]**



MAY 23 • SAT

Inner Sunset to Ocean Beach 1A hike. Meet at 9th and Irving north-east corner at 10:15 for a one-way walk through the Golden Gate Park to Ocean Beach. Return via Muni. Any rain cancels. **Costs** \$3.00 for return Muni fare; seniors \$1.50. **Bring** lunch and liquids. **Meet** 10:15 AM at 9th Ave and Irving St, NE corner, San Francisco, CA 94122. **By transit**, take Muni N Judah or Muni 44. You can also take Muni 6 or 43 and walk one block north to 9th and Irving, or take Muni 7 and walk one block south to 9th and Irving. **Ends** 2:30 PM. **Leader** Gloria Navarra, (415) 731-6144. **[HIKING]**

MAY 24 • SUN

Colma Cemetery Walk 2A hike. A historical walk through many of the cemeteries of Colma, the City of Souls. This walk is part 1, and part 2 will be in October or November. Note there is nowhere to buy lunch. **Meet** 10 AM at Colma BART Station, near the station agent's office. **Bring** lunch, liquids, and money for possible post-walk dinner at a local restaurant. **Leader** Guy Mayes (510) 522-1590. **[HIKING]**

JUN 6 • SAT

Moonlight Hike Mission Peak 2C hike. Moonlight hike from Ohlone College to Mission Peak summit on the Peak Trail. Headlamps or flashlights recommended for short sections of the trail but the objective is to enjoy hiking in the moonlight with no or very limited artificial illumination. **Level** Moderate ++ (2C). Not a beginner's hike, as this hike will be difficult for new hikers, hikers out of shape, or those with phobias about hiking at night. We will stop on a regular basis but must complete the hike by 10 PM when the park closes. This means we have 3.5 hours to complete a 7-mile hike with significant elevation gain. If you are unsure about your physical condition, please hike another day where the time required to complete the hike is not an issue. Exiting the park after 10 PM can lead to a misdemeanor charge of trespassing by EBRPD. Snow and/or heavy rain will cancel the hike. **Cost** of \$4.00 parking fee if you park in the Ohlone College multi-

story garage on weekdays or Saturdays. Free on school holidays and if you park on Mission Boulevard, and walk onto campus. **Bring** two liters of water, lamp, snacks, layered clothing, and enthusiasm. Recommend well-fitting boots for traction and ankle support. Hiking poles may be helpful. **Meet** 6:30 PM at Mission Peak Trail Head near Parking Garage. The Pine Street Parking Garage is on the Ohlone College campus and is located at the north end of Pine Street, which is accessed off Mission Boulevard. **Ends** 10 PM. **By carpool**, we recommend you arrange your own carpools where it is most convenient for you. We will meet at the trailhead, which is near the tennis courts. We enter the park at the Ohlone College trailhead to the Peak Trail. **Leader** William Yragui, (650) 642-5150, wyragui@missionpeakconservancy.net. **[SOUTH ALAMEDA COUNTY]**

JUN 27 • SAT

Big Basin 3B Loop Hike 3B hike. Hike through giant redwoods, along babbling brooks, and around impressive falls. Good trail conditions. Optional ½ mile post-hike walk on interpretive trail to see the Mother and Father of the Forest, and other redwood attractions. Worth the drive! Any rain cancels. **Costs** \$10 for parking fee. **Bring** lunch and liquids. Insect repellent advised for mosquitoes. **Meet** 10 AM at Redwood Trailhead across from Park Headquarters. **Ends** 6 PM. **By carpool**, recommended that attendees organize their own carpools where it is convenient for them at <http://www.meetup.com/sanfranciscobay/events>. Meetup will be posted 2–3 weeks prior to the event. **Leader** Steve Bakaley, sbakaley@gmail.com. **[MOUNT DIABLO GROUP & SANTA CRUZ GROUP]**

SPRING 20 EDUCATIONAL PROGRAMS

Mount Diablo Group

All events are held 7 PM at Ygnacio Valley Library, 2661 Oak Grove Road, Walnut Creek. This program is free and open to all. No reservations are necessary. If you have questions, phone (925) 852-8778 or email ken_lavin@hotmail.com.

WED, MAR 11 • EXPLORING THE SAN RAFAEL WILDERNESS

Rising above the busy tourist town of Solvang lies an oasis of nature: the San Rafael Wilderness. Join us for a visual journey through the rugged lands, canyons, and rivers that lie just beyond the trailhead. Longtime Sierra Club outings leader Teri Shore will show us the wilderness that extends between the crests of two parallel mountain ranges, the San Rafael Mountains and Sierra Madre Mountains. In spring, the white sage in bloom is truly like perfume along the rough and often disappearing trails. Spectacular wildflowers, Indian rock art, and fresh animal prints are sure to stop you in your tracks. Learn the secrets of navigating this hidden wilderness as you plan your next adventure.



PHOTO CREDIT; KEVIN LAVON

FRI, MAR 13 • NATIVE TREES OF MOUNT DIABLO

Although wildflowers are the divas of springtime, the allure of our native trees extends through every season. Join us at our next meeting and indulge your inner druid as we share fascinating tidbits about our dendritic darlings. What tree did John Muir call “a sturdy mountaineer”? Is there really a “refrigerator tree” that you can hug on a hot day to cool you off? What tree was the original source of aspirin? Trees come with their own entourage of groupies, but are the trees really “lichen” their relationship with all the

floral and faunal hangers-on? (Some can be a real pain in the bark.) We'll also share tales of early day botanical explorers who risked life and limb to learn the secrets of the trees.



PHOTO CREDIT; KEVIN LAVON

Green Friday Programs

Green Fridays meet on the second Friday of the month in the Sierra Club San Francisco Bay Chapter's office at 2530 San Pablo Avenue, Berkeley. Doors open at 7:00 PM; the program runs from 7:30 to 9:00, including questions and discussion. Refreshments are served. A \$3 donation is requested but not required. Our programs present speakers and topics discussing the most important environmental issues of our time. All are welcome—Sierra Club members as well as nonmembers. **Contact Leader** Joanne Drabek, joanner892@gmail.com.

FRI, MAR 13 • WASTE AS A GLOBALIZED RESOURCE

Join Dr. Kate O'Neill as she talks about waste as a globalized resource—one that comes with magnified risks and governance challenges. Her new book, *Waste*, was published by Polity Press in summer 2019, and includes cases on China and the global plastic scrap trade, waste work and labor in the global economy; the global political economy of electronic wastes and food waste; and the global circular economy. It was featured on National Public Radio's *Fresh Air* on September 12, 2019.

Dr. O'Neill is a Professor in the Department of Environmental Science, Policy, and Management at UC Berkeley. She holds a PhD in Political Science from Columbia University, and was a post-doctoral fellow at Harvard University's Kennedy School of Government. She has written three books: Waste Trading Among Rich Nations: Building a New Theory of Environmental Regulation (MIT Press, 2000); The Environment and International Relations (Cambridge University Press 2009, 2nd Edition 2017); and Waste (Polity Press 2019).

FRI, APR 10 • THE GREEN NEW DEAL

Here, representatives of the game-changing, youth-led Sunrise Movement will discuss the Green New Deal. Sunrise is building a movement of young people to make climate change an urgent priority across the U.S., create millions of good jobs in the process,

end the corrupting influence of fossil fuel executives on our politics, and elect leaders who stand up for the health and wellbeing of all people. They will talk more about the Green New Deal, our theory of change, and how solidarity partnerships between us and organizations like the Sierra Club will ultimately help us all win.

FRI, MAY 8 • THE CLIMATE REALITY PROJECT

Bill DeVincenzi, a Climate Reality Project leader, will discuss the need for urgent action in politics, business, and every other aspect of our lives. The Climate Reality Project, led by former U.S. Vice President Al Gore and CEO and President Ken Berlin, empowers everyday people to become activists—equipped with the tools, training, and network to fight for solutions and drive change planetwide. Bill is also treasurer of the Elders Action Network, a national organization dedicated to mobilizing elders throughout the United States to address climate change while there is still time to protect the wellbeing of our grandchildren and future generations.

San Francisco Dinners

All programs meet at Grace Lutheran Church, 3201 Ulloa Street at 33rd Avenue for social hour at 6 PM, dinner at 6:50 PM (includes coffee and dessert), and program at 7:50 PM. To reserve, send a check for \$24 made out to "Sierra Club, S.F. Bay Chapter" to Gerry Souzis at 1801 California Street, #405, San Francisco, CA 94109. Please indicate the month of the dinner and the number of people you are paying for. A phone number would be useful in case of some unexpected cancellation. It is most convenient for us to receive your check 4 days before the scheduled dinner. Non-members welcome. Please bring wine or soft drinks. Glasses and ice available. Let us know if you wish for a vegetarian dinner. Contact Leader Gerry with questions between 4 and 9 PM at (415) 474-4440 or gsouzis@hotmail.com.



PHOTO CREDIT; DON LOWREY, JACKIE MINOR

THUR, FEB 20 • THE PHILIPPINES

With over 7,000 islands, the Philippines sits culturally and geographically far apart from nearby Southeast Asia. With its passionate Catholicism, 350 years of Spanish rule, and over a century of American influence, it presents an enigma. Is it America's 51st state? With its air-conditioned shopping malls, fast food chains, and widely-spoken English, you might think so. But scratch away the surface, and you will see a complex society in a land of breathtaking beauty. Come join Don Lowrey and Jackie Minor as they bring us to a family reunion in Bulacan Province, on the big island of Luzon, just north of Manila. We'll see a Good Friday pro-

cession as vivid as any in the Catholic world. Easter dinner will feature lechón (spit-roasted pig). Then we'll fly 300 miles south to Panay Island in the Visayas region, whose capital Iloilo City is the size of Oakland. We'll celebrate a son-in-law's graduation from nursing school, enjoying great parties and spending a day island-hopping around the nearby Gigantes Islands. Finally, fasten your seatbelts as we drive 90 miles north to Carles and more island-hopping aboard a bangka, stopping at deserted islands, swimming, snorkeling, eating delicious local seafood, and a spectacular sunset over the Sibuyan Sea.

Donald Lowrey has been a Peace Corps Volunteer (Micronesia), a teacher, and a sales representative. Now, mostly retired, he lives in Oakland's Temescal District. He represents mosaic artist Juan Lopez, whose 90+ trashcan murals can be seen along Telegraph and Broadway Avenues. Jacqueline Minor is a retired attorney, whose career includes both corporate law and service for the City of San Francisco and the Oakland Unified School District. Don and Jackie's love of travel and photography have taken them to Northern Michigan, Central Europe, Taiwan, and Japan, among recent destinations.



PHOTO CREDIT; JP TORRES

THUR, MAR 19 • KILIMANJARO: JP'S ATTEMPT TO ASCEND THE AFRICAN CONTINENT'S TALLEST PEAK

You are at 15,000' elevation on the highest peak of the continent. It's 1:00 AM. You are awakened by the canvas walls from the dining tent flapping in the wind, each gust pounding a tear in the fabric. You unzip the rain-fly and peer out. The layer of crusty white snow that wasn't there before you fell asleep contrasts with the black void surrounding you. You think, *How odd*, the entire camp, deserted, inanimate; except for the blizzard howling across the frozen landscape. A numbing sensation spreads through you like ether filling your body, starting at your feet and reaching the pounding of your heart. The feeble voice inside of you wants to roar, "Where is everyone?"

This is an excerpt from *Unaccounted on Kilimanjaro*, JP Torres' firsthand account of his attempt to ascend the African continent's

continued on 30

tallest peak (elev. 19,340') that took an unexpected turn. Experience more of his story at this dinner event.

JP Torres lives in his Mount Davidson, San Francisco, childhood home, where his parents settled after emigrating from his native city of Nice, France. Since 2006, he has led backpack trips in the Sierra for the San Francisco Bay Chapter of the Sierra Club.



THUR, APR 16 • TUNISIA, AN ARABIC ISLAMIC DEMOCRACY

In 2011, a young Tunisian vegetable seller set himself on fire in protest against humiliation and brutality and ignited a revolution against autocratic rule across the entire Arab world. Quickly called “The Arab Spring,” this uprising took diverse paths in diverse countries. Nowhere, however, did it lead to permanent gains in political freedom or increased representation for the people who rose up. Except in Tunisia.

Only in Tunisia did an uprising, led by women, lead to representative government, where women currently hold over 27% of seats in parliament—a higher percentage than in most Western countries, including the U.S. The coalition of four interest groups, one headed by a woman, that managed the revolution and subsequent peaceful transfer of power collectively won the 2015 Nobel Peace Prize. The people of Tunisia have remained committed to human rights for centuries. Why? Addressing this question leads to considerations of historical developments, the varieties of political Islam, and attitudes about the role of government.

Douglas Kenning, raised in Virginia, received a PhD from the University of Edinburgh, Scotland, and has lived and taught at universities in Tunisia, Japan, and Italy. Besides being a professor of history and literature, he also has been a professional biologist, actor, army officer, Manhattan taxi driver, academic administrator, and writer of books, articles, and stage plays. He lives half the year in the San Francisco Bay Area, giving Fromm and OLLI lecture series on subjects related to the histories and cultures of the Mediterranean area, and half the year in Siracusa, Sicily, where he runs Sicily Tour, a small tour guide business.

OUTDOOR ED. COURSES

Wilderness First Aid

SAT, APR 18, 8 AM–5 PM & SUN, APR 19, 9 AM–5 PM
BAY CHAPTER OFFICE, 2530 SAN PABLO AVE., SUITE
I, BERKELEY

Two options are available: Take the two-day class for WFA certification (\$80 for members, \$100 for non-members); or the one-day class for Basic WFA certification (\$50, \$60, respectively). These are practical courses that prepare you to recognize and avoid wilderness hazards, and complete first aid outdoors with whatever equipment you have or can improvise. The two-day class adds many more hands-on skills and role-playing scenarios to help you put your skills together.

The textbook is by Steve Donelan, available on Amazon: *Wilderness Emergency Care, Third Edition Revised* (which has everything) or *Wilderness First Aid* (which just has what is taught in WFA). You can use the old edition of Steve's *WEC* book if you have it.

REGISTRATION

Current chapter outings leaders should call (510) 848-0800 or email firstaid@sfbaysc.org. Then mail a \$50 deposit check to the chapter office (it will be returned in class). The chapter pays for both days. All others should email Steve Donelan (donelan@sonic.net) and pay him in class (cash or check). Steve's website is www.wildernessemergencycare.com.

Beginner's Backcountry Backpacking

APPLICATION DEADLINE: MARCH 8, 2020

INDOOR SEMINAR: MARCH 15, 2020

Learn how to travel safely and comfortably with only a pack on your back during the annual Beginner's Backpack course run by the Backpack Section. We are offering this opportunity for folks

who have little or no experience in backpacking but who want to explore backcountry trails and get away from the crowds.

The course consists of:

- A full-day indoor session on Sunday, March 15, 2020; including a series of short lectures, discussions, slide and equipment show. The event will be hosted from 9:00–5:00 at the Kenwood Depot, 314 Warm Springs Road, Kenwood, CA 95452.
- One overnight backpack trip during a weekend (Saturday/Sunday) in April/May in small groups, led by experienced instructors. There are 4 dates to choose from. The location of the backpack trips is in the greater San Francisco Bay Area. During the backpack trip you will have the opportunity to try out your gear; learn how to set up a tent and operate a backpack stove; practice basic navigation skills; and, most important, experience what it feels to hike with a heavy pack on your back. **Participation in the backpack trip requires attendance at the indoor session.**

Participants you should be in good physical shape and have no serious health conditions. A good background in day hiking is necessary. Families with children age 12 and older are welcome. The course is not suited for younger children. Cost is \$90 per adult; \$45 for ages 12–22. Signup has started from December 1, 2019. Early registration is recommended, as space is limited. Application deadline is March 8, 2020.

INFO & SIGNUP

You may find the event on the Sierra Club Event Calendar at <https://www.sierraclub.org/san-francisco-bay/activities>. Click on the link at the event to RSVP. You will receive further information and instructions. Contact Thomas Meissner for more details:

- Email: meissner.thomas@sbcglobal.net; strongly preferred.
- Phone: (707) 795-7980; please call only if you do not have access to email.



PHOTO CREDIT: THOMAS MEISSNER



MYCOLOGY NEAR CENTRAL POINT REYES.

MikeFromNZ provides this photograph of a colorful, tree-bound fungus, found on the Central Point Reyes Loop. For a chance to see your snapshot to be featured in the next issue of the *Yodeler*, share pictures on Twitter, Instagram, or Facebook with hashtag #SierraSnapshots, or email photos to yodedit@sfbaysc.org. Please tell us where and when it was taken and include the names of anyone in the photo.

FOLLOW US ON SOCIAL MEDIA!

Facebook.com/SierraClubSFBayChapter

Twitter @SFBaySierraClub

Instagram @SierraClub_SFBay

SIERRACLUB.ORG/SFBAY

Our website is home to helpful information and resources, including:

- The *Yodeler* blog, updated regularly
- Our full events and activities calendar
- Group information and leadership roster

ANNOUNCEMENTS

- Attend our Green Fridays (**p. 28**)
- Join the Sierra Club on its Bay Bridge Half Marathon (**p. 7**)
- Dine with the SF Bay Chapter (**p. 29**)
- Backcountry travel classes will be held Mar 15 (**p. 31**)

EMAIL

Visit sierraclub.org/sfbay/email to sign up for Bay Chapter emails, including monthly bulletins and action alerts.