



Volume 21, Issue 1 Published Bimonthly by the Sierra Sage of South Orange County Group of the Sierra Club
January 1 through February 28, 2013

You are invited to join us at our bi-monthly meeting:

We will discuss environmental issues and conservation issues current to Orange County Residents as well as discuss the various hikes and other activities being presented in Orange County in the near future.

PROGRAM: You are invited to our open house for all new members, old members, prospective members, & curious non-members, for the purpose finding out what the Sierra Club is all about. Find out how/where to go on an outdoors activity such as a hike or walk; how/where to save the environment, how/where to protect the wild places, and get all your questions answered. Different presenters will discuss hiking, getting started, trail maintenance, how to get involved in protecting the earth and much, much, more. Refreshments will be provided as well as a tasty and interesting Chili cookoff. Contact Patty Sappingfield for more information (see p 6 for additional info)

WHERE: Norman Murray Community and Senior Center
24932 Veterans Way, Mission Viejo, CA

WHEN: 7:00 PM, January 22, 2013

ROOM: Sycamore Room B
Refreshments Provided.



DIRECTIONS:

Northbound on I-5, exit at La Paz, turn right onto La Paz, cross Marguerite Parkway and proceed over Oso Creek. Turn left onto Veterans Way and drive to the Murray Center Parking lot.

Southbound on I-5, exit at La Paz, turn left onto La Paz, cross Marguerite Park way and Oso Creek. Turn left onto Veterans Way and drive to the Murray Center Parking Lot

12 Reasons to Retire San Onofre

Defective design. Faulty computer modeling by Mitsubishi Heavy Industries failed to predict the behavior of new steam generators. Mitsubishi had no representative present at the Nuclear Regulatory Commission technical hearing on November 30, raising concerns about the degree to which the company will assist in design changes or cover the cost despite \$175 million in its liability exposure.

System deterioration. Decades of nuclear power plant development and operation provided no guarantee against the breakdown of steam generator hardware at San Onofre. This lack of reliable, mature technology caused NRC special project team manager Art Howell to state at the November 30 hearing that the entities involved must “take a sober and introspective look at why that is.”

Cost of partial operation and partial restart. At least one expert analysis concluded that partial operation – in this case, Unit 2 only – would be more expensive than full operation, on a per kilowatt hour basis and possibly in total cost. Even Unit 2 is not proposed by the utility to be restarted at full power but at 70 percent. This raises issues of per kilowatt-hour cost as well as the possibility of unique operational risks that full-power operation has not revealed.

Negative operating environment. Unit 1 is permanently decommissioned. Unit 3 is shut down and cannot operate without extensive repairs. The utility considers only Unit 2 a candidate for restart. The operating environment would be in a partly disabled, partly shut down plant that is only one-third active at partial power.

Workforce instability. The utility is in a dispute with its largest union over its announced intention to lay off 700 workers. Why have ratepayers been covering the cost of a large workforce for ten months in an idle plant? That said, why is the utility proposing to terminate experienced employees prior to a restart that may require them for safety as well as operations? Would it expect to quickly rehire them if the NRC approves a restart several months in the future?

Sabotage exposure. If confirmed by the FBI, recent evidence would suggest attempted sabotage. This possibility is to be deplored yet is also a reminder that the level of controversy surrounding nuclear plants heightens the sabotage risk, creating a greater need for security that adds to operating costs.

Quake-tsunami exposure. The Fukushima disaster is a reminder of the hazard created by San Onofre’s tidewater location in a zone of multiple earthquake

fault-lines – a combination of conditions that would almost certainly be avoided in citing any power plant today.

Evacuation challenge. More than 8 million people live within 50 miles of San Onofre – nine times the population density of Fukushima. Realistically, any attempt to rapidly evacuate the area would involve unmanageable gridlock, create a severe operational challenge for area agencies. San Onofre’s highly urbanized location would almost surely not be selected for a nuclear plant today.

Personal injury liability exposure. Public expressions of opposition to renewed operations at San Onofre have been widespread and intense. Even if the restart led initially to no emergency, it would cause an immediate and continuing heightened stress level for area residents. If a perceived or actual catastrophic event subsequently occurred, the utility’s exposure to personal injury suits based on both physical and psychological factors could be vastly greater than in a sudden emergency involving a more normal level of risk.

Rear-guard action. Insistence by the utility on continued operation of San Onofre comes despite its level of operating disability and its disturbing vulnerability to technology problems. It also runs counter to worldwide trends regarding the future of nuclear power and serves as a negative statement on encouraging development of alternative renewable energy capacity. Opponents of restart fear “opportunity-cost” – the neglect of potentially better ways to strengthen the regional power grid. They believe “It’s time to move on.”

Retroactive ratepayer rebates. On November 29, the California Public Utilities Commission approved a new rate structure for the utility that is lead operator at San Onofre. This follows the PUC’s October 25 action initiating an investigation into the San Onofre shutdown. Retroactive ratepayer rebates could be required if the utility is found to have wrongly charged the public for costs since the plant ceased producing power. The new rate structure is likely to be a baseline against which any rebates would be applied, creating a risk for the utility of a revenue offset against these new rates.

The sunk-cost fallacy. Given the weight of evidence cited above, why would the utility seek to restart rather than retire San Onofre? The answer may be found in the notion that the existing investment must be recovered through revenues generated by future operations. But given the multiple sources of risk, any of which would generate further costs, the attempt to keep San Onofre going could easily prove a classic case of throwing good money after bad. If the ratepayer subsidy ends, the utility will be forced to face this fact.

ADVANCE NOTICE FUTURE TRAVEL ADVENTURES SPONSORED BY SIERRA SAGE

ARCHES AND CANYONLANDS

April 28--May 5, 2013

Come with us on our 8 day, 7 night fly-drive excursion to eastern Utah to explore and enjoy two of the most unusual and interesting National Parks: Arches National Park with over 2000 arches ranging from a few feet in size to several hundred feet and Canyonlands National Park with the deep canyons of the Green River and the Colorado River as they join to form the majestic Colorado we all know and love.

We will fly into Grand Junction, Co and then drive in vans to Moab, Utah. We will use a local motel in Moab for our base for the entire trip with day trips into one or the other National Parks each day. Trip cost is \$1250 with SC#, \$1350 non-member and includes lodging (double occupancy) and transportation to and from Grand Junction and each day while in Utah. All park admissions are also included. Breakfasts and three lunches will be provided. All other meals and airfare to and from Grand Junction are not included. For copies of the itinerary and application forms, please contact Mike Sappingfield (mikesapp@cox.net) or send 2 SASEs to Mike at 26352 Via Juanita, Mission Viejo, CA 92691. \$500 deposit will hold a reservation with the remainder due by March 1, 2013. (Private accommodations extra) Leaders: Mike Sappingfield and Sylvia Stevenson.



NEW MEXICO ADVENTURE

October 12-19, 2013

Albuquerque Balloon Fiesta, Santa Fe, Taos and Taos Pueblo, Acoma Sky Pueblo, Chaco Canyon, Los Alamos, and Bandelier National Monument are just some of the many attractions on this fun filled exploration of the "Land of Enchantment". \$1195 for Sierra Club members (\$1250 for non-members). The trip includes lodging (double occupancy) for 7 nights; Admission fees for Balloon Festival, National Park and Monuments visits, Taos and Acoma Pueblo visits, and museum admissions for scheduled visits; breakfasts, two lunches, and several happy hours; and all transportation while in New Mexico. Most meals, and transportation to and from New Mexico not included. For information, contact Mike Sappingfield at mikesapp@cox.net, or phone 949-768-3610. A \$500 deposit will reserve your place on the trip with remainder due July 1, 2013. Mail reservation request and \$500 deposit, payable to Sierra Sage--Sierra Club, and 2 SASE, to Mike Sappingfield at 26352 Via Juanita, Mission Viejo, California 92691. Leaders: Mary Morales, Mike & Patty Sappingfield



SIERRA CLUB ENDORSED CANDIDATES TAKE OFFICE IN SOUTH COUNTY.

59% of the candidates endorsed by the Sierra Club in Orange County were elected to office, many of them the top vote-getters in their races. We are pleased to note the following victories in south County:

Ross Chun —Aliso Viejo City Council
Robert "Bob" Baker —San Clemente City Council (re-elected)
Rick Erkeneff —South Coast Water District
Wayne Rayfield —South Coast Water District

Please offer your congratulations and support to these environmentally-friendly representatives.

SIERRA CLUB RECOGNIZES ANGELES CHAPTER MEMBER HOWARD STRAUSS

Earlier this month, Strauss received the 2012 Bob Hattoy Award, which recognizes an individual who has made a significant contribution to Sierra Club political activities in California.



Strauss served as chair of the Sierra Club California Political Committee from 2003 to 2012 and continues to chair the Southern California Endorsement Review Committee.

By identifying and endorsing pro-environment candidates, the Sierra Club California Political Committee has contributed to making the California Legislature a national leader on environmental protection. (Check out our [victories in the most recent election.](#))

Strauss continues his work to elect environmental candidates as chair of the Los Angeles County Political Committee of the Angeles Chapter.

The Bob Hattoy award was established in 2011 and is named for the former activist and California regional director of the Sierra Club who died in 2007. The first awardee was Susana Reyes, also a member of the Angeles Chapter who currently serves on the Club's national Board of Directors.

We congratulate Howard Strauss on receiving the award that honors his hard work and activism.

Outings



Saturday, January 05, 2013 7:30 AM

0417-Sierra Sage of SOC Group Outing

O: Trail Maint in San Mateo Canyon Wilderness

Sponsored by the Santa Ana Mountain Task Force (Sierra Sage Group, Orange County Group, and San Geronio Chapter). SAMTF volunteers, male and female, maintain the trails in the San Mateo Canyon Wilderness. No experience is needed and tools are provided. Locations for each month will be determined according to need and will be announced a week or two before the event. Contact the leader to be added to the email distribution list. *John Kaiser 714-968-4677 jkai39@gmail.com*

Sunday, January 06, 2013 8:30 AM

0417-Sierra Sage of SOC Group Outing

O: Cristianitos South

4 mi, 650' loss. Car shuttle. Trail starts in San Clemente area next to Donna O'Neill Land Conservancy, then into North area of San Onofre State Park. Moderate terrain, beautiful views into open space rolling hills. Meet 8:30 am at South OC Rideshare, or 9 am at end of Ave La Plata in San Clemente (from I-5, E on Pico, R on La Plata to end). Bring water, lug-soles, hat. Rain cancels.

Chester Stipe 949-363-1142 chetbar@cox.net

Sylvia Stevenson 949-487-2660 sylvia_stevenson@yahoo.com

Saturday, January 12, 2013 9:00 AM

0417-Sierra Sage of SOC Group Outing

I: Mt. San Jacinto Wilderness snowshoe

(Sierra Sage, OCSS) Snowshoe dayhike approximately 6 miles rt, 700' gain (final route subject to weather and snow conditions). Must have prior snowshoe experience. Start at Palm Springs Tramway Mountain Station (8400'). Hike south through Long Valley toward Hidden Lake area, then west toward Round Valley (9100'). Explore Tamarac Valley, time permitting. Return to Palm Springs Mountain Station in the afternoon. Group size limited by permit. Bring 2 quarts water, lunch, snowshoes, warm clothing, hat, sunglasses. Inclement weather does not cancel. Meet at 7:00 AM at the north Orange County rideshare or at 9:00 AM in the day use parking lot of the Tramway station in Palm Springs. Contact leaders for more information. *Todd Clark 714-803-0195 clarkta@hotmail.com*

Sylvie Cote 949-547-2998 mlsylvie@hotmail.com

Sunday, January 13, 2013 3:15 PM

0417-Sierra Sage of SOC Group Outing

O: Crystal Cove Sunset Walk

A "Mike's Hike" of 4 miles round trip, 100' gain, beach walk in late afternoon until sunset. Meet at 3:15 pm at the North parking lot. Enter Crystal Cove State Park opposite Newport Coast Drive, turn right after entrance booth (\$15) and continue to farthest North parking area. Bring water, camera. Rain cancels.

Michael Sappingfield 949-768-3610 mikesapp@cox.net

John Kaiser 714-968-4677 jkai39@gmail.com

Wednesday, January 16, 2013 8:30 AM

0407-Orange County Group Outing

0417-Sierra Sage of SOC Group Outing

O: Sitton Peak

Sierra Sage, Lower Pks 10 mi, 2150' gain. It is a nice workout up the Bear Cyn Trail to 4 Corners. Then we go up the Sitton Peak Rd and trail to the peak. Tremendous views on top. Meet 8:30 am at South Orange County rideshare point with 2 qts water, lunch/snack, lugsoles. Rain cancels.

John Kaiser 714-968-4677 jkai39@gmail.com

Sharon L Kirk 714-545-1149 sl.kirk@sbcglobal.net

Saturday, January 19, 2013 9:45 AM

0417-Sierra Sage of SOC Group Social Event

O: Richard Nixon Presidential Library and Birthplace

Join us for a self-guided tour as you take in a half century of California, U.S. and world history. Located on 9 acres in Yorba Linda, CA it is also site of the original boyhood home and final resting place of the 37th president. Visit museum galleries, gardens. Follow the timeline of personal and public life showcased in films and memorabilia, as well as the First Ladies Centennial exhibit. See a Marine One helicopter on permanent display. Meet 9:45 am at the entrance, 18001 Yorba Linda Blvd, Yorba Linda, CA. Wear comfortable shoes and money for entry fee approx. \$12 adults/\$8.50 seniors, but subject to moderate change. Join leaders for optional lunch afterward at a nearby restaurant. Rain doesn't cancel.

Mary L Morales 949-636-2981 10ter@cox.net

Sylvia Stevenson 949-487-2660 sylvia_stevenson@yahoo.com

Tuesday, January 22, 2013 7:00 PM
0417-Sierra Sage of SOC Group Club Support Event

Sierra Sage Newcomers Meeting

You are invited to our open house for all new members, old members, prospective members, curious non-members for the purpose finding out what the Sierra Club is all about. Find out how/where to go on an outdoors activity such as a hike or walk; how/where to save the environment, how/where to protect the wild places, and get all your questions answered. Different presenters will discuss hiking, getting started, trail maintenance, how to get involved in protecting the earth and much, much, more. Refreshments will be provided as well as a tasty and interesting Chili cookoff. Meeting will be held in the Sycamore B room in the Norman Murray Center.

Patty Sappingfield 949-768-3610 solanese@cox.net

Wednesday, January 30, 2013 8:30 AM

0407-Orange County Group Outing

0417-Sierra Sage of SOC Group Outing

O: O'Neill Park

6 mi, 900' gain. Our trail starts at the end of Altisima in Rancho Santa Margarita and climbs a short distance to a long ridge overlooking O'Neill Park proper. We hike along the main ridge before descending into one of the park's several oak-shaded canyons. We will make a loop around the canyon bottom and return to the ridge by another canyon. Meet 8:30 am at the end of Altisima Dr. Go E on El Toro Rd to Marguerite Pkwy, turn R, then one block to Los Alisos, Turn L. After you cross the toll road, turn onto Altisima and go to the end. Rain within 3 days cancels. Bring 2 qts water, lunch, lugsoles. Newcomers welcome.

Bob Hansen 949-586-4928 awildtrout@cox.net

Bernard Lipman 714-879-7593 ber-sheer@roadrunner.com

Saturday, February 02, 2013 7:30 AM (0417-Sierra Sage of SOC Group Outing

O: Trail Maint in San Mateo Canyon Wilderness

See January 5 for details

Sunday, February 03, 2013 8:30 AM

0417-Sierra Sage of SOC Group Outing

O: San Clemente Ridgeline

4.8 mi rt, 560' gain on paved road. Panoramic views of San Clemente back country and Dana Point. Meet 8:30 am at South OC Rideshare, or 9 am at end of Calle Cordillera in San Clemente (from I-5, East on Pico, R on Calle Amanecer, R on Calle Cordillera). Bring water, lugsoles, hat. Rain cancels.

Chester Stipe 949-363-1142 chetbar@cox.net

Don Clarence 949-709-2967 don-clarence@hotmail.com

Sunday, February 03, 2013 9:45 AM

0417-Sierra Sage of SOC Group Social Event

O: Bowers Museum Day Outing & Lunch:

"Cut! Costume and Cinema," an exhibit on the art of making costumes for film is coming to this charming, world-class museum in Orange Co, CA. Other interesting gallery displays include the "Spirits and Headhunters - Art of the Pacific Islands," Ancient Art of China-5000 year Legacy" and "California, the Golden Years." After a leisurely, self-guided tour (with audio headset included in admission fee), dine in the on-site restaurant, Tangata (tapas, salads and sandwiches – make own reservations prior to outing) or opt to bring a lunch to eat in a quiet corner of the lush courtyard. Afterwards, return to the galleries or visit the museum store for unique gifts. Meet 9:45 am at front entrance, 2002 N Main St, Santa Ana, corner of 20th & Main, just off the 5 Fwy (Main St exit). Wear comfortable shoes and money for entry fee approx. \$15 adults/\$10 seniors, but subject to moderate change. Rain doesn't cancel.

Mary L Morales 949-636-2981 10ter@cox.net

Sylvia Stevenson 949-487-2660 syl-via_stevenson@yahoo.com

Saturday, February 09, 2013 8:00 AM

0417-Sierra Sage of SOC Group Outing

O: New Sugarloaf (3227')

8 mile round trip, 1400' gain. Enjoy this mostly shaded hike along the New San Juan trail from Bluejay Campground to the peak for lunch. On return we will take the Old San Juan trail through Chiquito Basin. Meet 8 am at the south OC rideshare (Ortega Plaza at Rancho Viejo Rd & Ortega Hwy, 1 block east of I-5 in San Juan Capistrano). Bring 2 quarts water, lunch, lugsoles. FS pass required at trailhead. Rain or critical fire danger cancels.

John Kaiser 714-968-4677 jkai39@gmail.com

Michael Metcalf 949-492-6277 msmetcalf@cox.net

Wednesday, February 13, 2013 8:00 AM

0417-Sierra Sage of SOC Group Outing

O: Bedford Peak

Join us for a strenuous but easy-paced 7 mi rt 2200' gain/loss climb up Silverado Canyon to the peak with rewarding views of surroundings and peaks (4-1/2 hr). Meet to carpool 8:00 am at Black Star Cyn Rd/ Silverado Cyn Rd (from Santiago Cyn Rd turn on Silverado Cyn Rd, then immediate left on Black Star Cyn Rd) or meet 8:30 am in the 2nd small parking lot at the end of Silverado Cyn Rd or in 1st parking lot if gate closed). Bring 2 liters water, snack/lunch, lugsoles, ten essentials, FS Pass at trailhead. Rain cancels. Ldr: Sharon Kirk. Asst: Chet Stipe.

Sharon L Kirk 714-545-1149 sl.kirk@sbcglobal.net

Chester Stipe 949-363-1142 chetbar@cox.net

Friday, February 15, 2013 to Monday, Feb 18, 2013
0417-Sierra Sage of SOC Group Outing

I/O: Joshua Tree California Hiking and Riding Trail
 (OCSS, Sierra Sage) Join us on this 4 day adventure to hike the entire length of the CHRT, 38 miles one way. Each day we will hike approximately 10 miles beginning at Blackrock Campground to end at the North Entrance. Requires multi-day backpacking experience. Leaders to host mandatory pre-trip meeting to review logistics, as leaders to cache water along the route. Requires car shuttle back to Blackrock campground. Outing may be led at I level if snow at higher elevations. Contact leaders for more information.

Todd Clark 714-803-0195 clarkta@hotmail.com

Sylvie Cote 949-547-2998 mlsylvie@hotmail.com

Wednesday, February 20, 2013 8:30 AM

0407-Orange County Group Outing

O: Donna O'Neill Land Conservancy

Sierra Sage 5 mi, 200' gain. Longer than usual hike in area of some of the most beautiful regions in S Orange County. Children 5 yrs old with parents welcome. Rain cancels. Meet 8:30 am at South Orange County rideshare point. Donation to DONLC: \$10 adults, \$5 children, to support the work of the conservancy.

Mike Sappingfield 949-768-3610 mikesapp@cox.net

Sidney Alpert 949-458-8768 sralpert@comline.com

Saturday, February 23, 2013 8:00 AM

0417-Sierra Sage of SOC Group Outing

O: Hike to Lion Canyon Falls

8.5 mi rt, 1000' loss/gain, moderate pace. Our route leaves the Blue Jay campground and traverses down partly oak covered hillsides on the San Juan trail to a junction with the Chiquito trail where we continue on our mostly shaded route to our lunch stop overlooking Lion Cyn Falls. We return to Blue Jay by the same route. Meet 8 am SOC rideshare. Bring 2 qts water, lunch, and lugsoles. Rain cancels. FSP req'd.

Bob Hansen 949-586-4928 awildtrout@gmail.com

Delores Denton 949-581-8396 deaden-

ton@hotmail.com

Wednesday, February 27, 2013 9:00 AM

0407-Orange County Group Outing

O: Cave Rock

4.5 mi, min gain. We will amble along Aliso Creek, do a little bird-watching, visit Cave Rock and return. Meet 9:00 am at the AlisoWoods Canyon parking lot, just S of the Alicia Pkwy/Aliso Creek Pkwy intersection at AWMA Rd on R. Parking \$3. Bring water, comfortable shoes, snack. Rain, 3 days after rain, cancels.

Andy Beall 714-633-5563 abeall9355@ca.rr.com

Pita Landesman 949-425-8966 pitanbob@cox.net

Saturday, March 02, 2013 8:30 AM

0417-Sierra Sage of SOC Group Outing

O: Buck Gully

5 mi rt, 300' gain. Easy path close to stream and dense shrubbery, in Newport Coast area. Meet 8:30 am South OC Rideshare, or 9:40 am trailhead at 5th & Poppy St in Corona Del Mar, south of Newport Beach. From PCH, take Poppy St inland. Bring water, hat, lugsoles. Rain cancels.

Chester Stipe 949-363-1142 chetbar@cox.net

Michael Metcalf 949-492-6277 msmetcalf@cox.net

OCSS CONDITIONING HIKES

EVERY TUES/THUR @ 6:30 PM

O: IRVINE TURTLE ROCK. Easy/Moderate/Tiger paced hikes, 4-7 mi rt on hilly trails. Bring Water, light hiking boots. 405 Fwy, exit S at University/Jeffery, L on Ridgeline, L on Turtle Rock, pass Sunnyhill, L into parking lot of Turtle Rock Community Park, Ldrs, John LaRue, Markey and Robert Neighbors, Kim Gunderman, Ron Campbell, Gigi Logan, and others.

RIDESHARE MEETING POINTS

N Orange Co... Park-N-Ride, E side of Tustin Av just S of Lincoln Av, Orange.

S Orange Co... Ortega Plaza parking lot SE corner, Ortega Hwy/Rancho Viejo, San Juan Capistrano

Tustin ... Redhill Ave on N side (Fwy side) of Stater Bros Market just SW of Redhill Ave exit from Santa Ana Fwy

HOW TO FIND OUTINGS ON THE ANGELES CHAPTER WEB SITE!

Access the Chapter Web Site by using the url:

www.angeles2.sierraclub.org;

Click on **GET OUTDOORS**; then click on **FIND A HIKE/TRIP/EVENT**

Jan 22 Newcomer's Meeting — continued from Page 1.

To get info and Chili Cook Off Entry Form, contact Patty Sappingfield at solanese@cox.net or phone 949-768-3610. There will be door prizes and prizes for the winning chili. Newcomers and presenters are eligible to bring chili and to judge the chili.

DIRECTORY OF SIERRA SAGE OFFICERS

Title	Name	Phone	Email
Chair	Duana Miller	949-831-0890	duana103@hotmail.com
Vice Chair	Todd Clark	714-803-0195	clarkta@hotmail.com
Secretary	John Kaiser	714-968-4677	jkai39@gmail.com
Treasurer	Patty Sappingfield	949-768-3610	solanese@cox.net
Outings Chair	Mike Sappingfield	949-768-3610	mikesapp@cox.net
Asst Outings Chair	Todd Clark	714-803-0195	clarkta@hotmail.com
Asst Outings Chair	Sylvie Coté	949-547-2998	mlsylvie@hotmail.com
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Conservation Chair	Glenn Pascall		gpascall@cox.net
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Program Chair	Sylvia Stevenson	949-487-2660	sylvia_stevenson@yahoo.com
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FOF Task Force	Bill Holmes	949-496-5323	billten4@sbcglobal.net
Aliso Hobo Ridge TF	Penny Elia		greenpl1@cox.net
Santa Ana Mtns TF	John Kaiser	714-968-4677	jkai39@gmail.com
San Onofre TF	Glenn Pascall		gpascall@att.net

ADVANCE NOTICE

14TH ANNUAL STARR RANCH BBQ

Yes, it is coming up to that time again. Our 14th annual picnic at the Audubon Society's Sanctuary, Starr Ranch will be held on April 14th from 1 to 5 pm

Starr Ranch is over 4,000 acres of pristine habit located just east of Rancho Santa Margarita and Dove Canyon. The Ranch has a history of cattle ranching and most recently, hosting a myriad of research projects under the auspices of the Audubon Society. We are delighted to again be able to partner with the Starr Ranch staff to bring this enjoyable afternoon.

Planned activities include several hikes of different levels of difficulty and length, from easy to moderate. A couple of Bird walks with an experienced birder will also be conducted.

As part of its research efforts, the Starr Ranch staff often have video monitors set up observing the nests and baby chick of various birds including hawks, owls, etc. Viewing these birds as the mother birds raise their young has always been a high point of the day.

INTERNET ADDRESSES:

Angeles Chapter: www.angeles2.sierraclub.org

The event is a planned fundraiser with the proceeds being shared with the Starr Ranch Conservancy as well as the Sierra Club to further our activities to "Explore, Enjoy, and to Protect the Wild Places of this Earth"

Food will be provided and will include various salads, fresh fruit, beans, salsa, chips, hamburgers and veggie burgers with all the accompanying items such as mustard, mayonnaise, pickles, onions, and lettuce.

Admission price is again \$30 per adult and \$15 for children under 12. Information and Tickets can be obtained from Mike and Patty Sappingfield, 949-768-3610, mikesapp@cox.net, or by mail to 26352 Via Juanita, Mission Viejo, CA 92691. A map to Starr Ranch and a pass through the gated community of Dove Canyon will be included with the tickets.



Sierra Sage: www.angeles.sierraclub.org/sage



Sierra Sage of South Orange County
P. O. Box 6204
Laguna Niguel, CA 92607

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<http://angeles.sierraclub.org/sage/>

Advance Notice, March 26 Meeting

**Join Gilbert G. Thibault Ph.D, authority on the
 bristlecone pines of eastern California and author
 of the popular and informative book about the
 bristlecone pines: "I AM THE WORLD'S OLD-
 EST KNOWN LIVING TREE"**

**Dr. Thibault provides many interesting pictures
 and facts about the Bristlecone Pines on Califor-
 nia's White Mountains.**



Join the Sierra Club

Yes, I want to join! I want to help safeguard our nation's
 precious natural heritage. My check is enclosed.

Name _____

Address _____

City, State _____ Zip _____

F94Q -0417

Membership Categories (circle one)

	Individual	Joint
Introductory	\$15	
Standard	\$39	\$49
Supporting	\$75	\$100
Contributing	\$150	\$175
Life	\$1000	\$1250
Senior	\$25	\$35
Student	\$25	\$35
Limited Income	\$25	\$35

Send Check to Sierra Club, P. O. Box 421041, Palm
 Coast, FL 32142-1041 Membership not tax deductible