

Sequoia needles

Bulletin of the Sequoia Audubon Society
San Mateo County Volume 52, No. 3
November-December, 2001
January 2002

December's Program Birding Australia

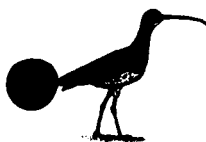


Thursday, December 13th, SAS members Bob and Sue Cossins will present slides from their April 2001 trip to that mysterious land down under.

Australia's remote island location and diverse habitats have produced many unique species. It is also the home to many dedicated "birdos" who have solved many of the mysteries but left all the excitement for others to share.

The program will follow the potluck dinner (see below) and a short business meeting at the San Mateo Garden Center.

January's Program Shorebirds



On Thursday, January 10, veteran naturalist Ted Chandik will present, "Identification of Wintering Shorebirds of San Francisco Bay". This meeting will be at our usual time and place — The San Mateo Garden Center, Parkside at Alameda, informal get-together at 7:30 PM, with the meeting getting underway at 8.

The presentation will be followed up with a field trip, led by Ted, on Saturday, January 19th at 8:00 AM in San Mateo and Foster City.

Potluck Time



Bring your own utensils and plates and a bag in which to take them home. Those people whose last name begins with the letters A-F should bring a **DESSERT**; those whose

names begin with the letters G-L, a **SALAD**, and M through Z should provide a **CASSEROLE** or other hot dish. Be sure your offering will feed at least 5 people.

The Potluck Dinner begins at 6:30 PM on Thursday, December 13 at the San Mateo Garden Center on the Alameda at Parkside and will be followed immediately by the meeting and program.

From the President



At the end of September, I attended the Western Field Ornithologists' meeting in Reno. I'd like to share my experience with you. The Thursday field trip was a pelagic trip on Pyramid Lake. Pelagic trip? In the desert? Yes! Pyramid Lake is the terminus of the Truckee River, which flows from Lake Tahoe through the mountains to Reno and then on out into the desert. It's a big lake, almost the same surface size as Tahoe, but much shallower. I didn't sign up soon enough to get a place on one of the three small boats, so I birded with others from shore. In the grove of willows at the lake's edge were many migrating warblers as well as local species. We birded other spots along the lakeshore and hillsides and were rewarded with grebes, loons, pelicans, ducks, a Golden Eagle and finally, outside the fish hatchery, a Sabine's Gull. Jaegers are often seen out over the lake, though we saw none.

Many of the areas we visited were riparian sites along the Truckee River. We saw many species of birds, notably a young Dipper right in downtown Reno and a Chukar (my traveling companion's life bird of the trip) on a Nature Conservancy property downstream from the city.

We chose a field trip to Honey Lake because it was new territory for us. We birded on University of Nevada property where we had wonderful looks at Sage Sparrows. They stayed in view a long time, moving from the road to the top of the bushes and back again. Honey Lake had many different waterfowl and a pair of Sandhill Cranes.

The presentations at the conference were given in the afternoon and evening. They were varied, covering the identification, distribution and conservation of western birds (great visuals).

The Great Basin Bird Observatory is based in Reno and has just completed the field work for a Nevada Breeding Bird Atlas. The whole state in just four years!!! By an Observatory that is not much older than that.

Lahontan Audubon, one of the two chapters in Nevada, described their work in an enthusiastic presentation. The chapter has many programs going and members are justly proud of them. The energy and enthusiasm of the Lahontan members and the GBBO staff were palpable. I really enjoyed interacting with them. I wished I could transport some of that enthusiasm back to Sequoia and infuse our membership with it.

We live in a wonderful place for birds. Get out and renew your acquaintance with your local birds and then find a way to share your love of birds with others who don't know them as well. Enjoy!

Robin Smith

The mission of Sequoia Audubon Society is to participate in environmental education, and conservation and in the restoration, preservation, protection and enjoyment of our native natural resources with emphasis on birds and their habitats.



The S A S Calendar



SATURDAY, NOVEMBER 24 — BIKES, BIRDS, AND FERAL CATS — Join Pete Popin for a bike trip around Foster City visiting bird haunts and sites where feral cats hang out. Meet at 9 am at the Mariners Island Golf Course, at the corner of Mariners Island Blvd. and East Third Ave in Foster City. Take 101 to 92, go east on 92, exit at Mariner Island Blvd./Edgewood follow Mariners Island Blvd. across 92 to East 3rd.

LEADER PETE POPIN 1-800-486-8300 EX.205 (WORK)

SUNDAY, NOVEMBER 25, EDGEWOOD PARK, 8 AM — Look for resident and migratory species as we head deeper into fall. Starting at 8 increases the chance of seeing all the interesting fall birds at Edgewood. Meet the leader in the parking lot adjacent to the Day Camp area. The Edgewood Park entrance is east of 280 on Edgewood Road in Redwood City.

LEADER

LEE FRANKS

THURSDAY, DECEMBER 6 — BOARD OF DIRECTORS MEETING — 7:30 PM — All members are welcome. Call ahead to confirm time and place and to make sure that there will be enough room.

SATURDAY, DECEMBER 8 — Join us to sharpen your skills for the Christmas Bird Counts. Beginners welcome. We are even offering you a choice of locations! Dress in layers. Heavy rain cancels

JUNIPERO SIERRA PARK

— 9.00 AM — We will start here, but may go to the bayside later. Where the birds are will determine our travels. Half day trip, but bring food in case time is not exact. Directions: From El Camino in San Bruno take Crystal Springs Avenue west and watch for park signs, park in lower lot. Leave note on windshield — "Audubon Birding" — We are trying to arrange a waiver of parking fees.

LEADER

AL DEMARTINI

345-6988

PESCADERO MARSH — 8.30 AM — We will start from the parking lot looking for birds on the rocks and beach, and then go UNDER the bridge to the marsh. Then, depending on the birds, we may go along the road to the north pond. Bring lunch! The length of the trip will depend on the birds. Take Highway 1 south from Half Moon Bay. Continue until you see the marsh, cross the Highway 1 bridge over the creek and turn into the parking lot on your right. Or coming from Pescadero at Highway 1 turn north (right) and turn into parking lot on your left.

LEADER

GARY DEGHI

726-1340

THURSDAY, DECEMBER 13 — GENERAL MEETING AND POTLUCK featuring **Birding Australia** with **Sue and Bob Cossins**. At the Garden Center on the Alameda at Parkside. Potluck begins at 6:30 PM with the meeting and program immediately thereafter.

SATURDAY, DECEMBER 15 - THE CRYSTAL SPRINGS CHRISTMAS COUNT — See Page 4 for details.

SUNDAY, DECEMBER 30 - THE AÑO NUEVO CHRISTMAS COUNT — See Page 4 for details.

THURSDAY, JANUARY 3 — BOARD OF DIRECTORS MEETING — 7:30 PM — All members are welcome. Call ahead to confirm time and place and to make sure that there will be enough room.

SATURDAY, JANUARY 5 — BAIR ISLAND NWR — Come to Bair Island and see what wintering birds are in residence. Tiptoe through the mud alongside the pickleweed marsh and search for sparrows, check the waterways for ducks and shorebirds and the sky for raptors. Enjoy hearing about the progress of the restoration plan. Meet at the refuge kiosk inside the white gates at the east end of Whipple Avenue in Redwood City at 9 AM. Flat walking, but no restroom facilities. Heavy rain cancels.

LEADER

ROBIN SMITH

325-3306

THURSDAY, JANUARY 10, GENERAL MEETING, — **Ted Chandik** will present a program on the **IDENTIFICATION OF WINTERING SHOREBIRDS OF SAN FRANCISCO BAY**. At the Garden Center on the Alameda at Parkside. Informal get-together at 7:30 PM with the meeting and program at 8 PM.

SATURDAY, JANUARY 12,

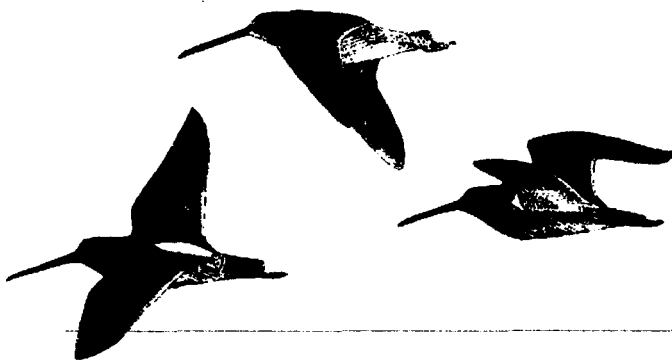
MYSTERY TRIP — Destination depends on the birds, the whim of the leader and the weather. Call for directions.

LEADER FRANCIS TOLDI 344-1919 or 415 925-0660

SATURDAY, JANUARY 19 — WINTERING SHOREBIRDS OF SAN FRANCISCO BAY — A FOLLOW-UP FIELD TRIP TO THE JANUARY 10 PROGRAM. Assembly place to be announced at the meeting. trip will start at 8:00 AM and cover locations in San Mateo and Foster City

LEADER

TED CHANDIK



Conservation Committee News

Here are the current projects that the Sequoia Audubon Conservation Committee is working on. We need more interested volunteers to work on the issues, especially the ones in your home town.

Please join us, we'll make a bigger impact if you do.

WOODSIDE: The proposed Philips Brooks School project. The location of this project is a sensitive blue oak woodland with a riparian area just west of 280 between Woodside and Sandhill Roads. The habitat is an unusual one in lower San Mateo county with many breeding and migrant birds. It is in the area where Golden Eagles are seen regularly.

REDWOOD CITY: The Sander's Marina project next to Pacific Shores at the end of Seaport Boulevard: This proposed marina is located along Westpoint Slough directly across from Greco Island, which is prime Clapper rail habitat. There is a shorebird roost and feeding area as well. Our comments were pointed at keeping these birds on site and undisturbed, especially by domestic animals.

The Redwood Shores Bayfront Specific Plan which is an overall plan for the area including the sewage treatment plant and ponds in Redwood Shores. We have provided input during the different phases of the CEQUA (California Environmental Quality Act) process to make sure that the ponds remain as appropriate habitat for all the neat birds that have begun to use them.

The Glenborough Pauls proposal on the land across the slough from Bair Island: This is a proposal for a large development on the property that housed Peninsula Marina and Pete's Harbor and the lots at the corner of the frontage road.

BELMONT:
We have just been asked for help by the **San Juan Canyon** group regarding a development in the canyon. If you ever visited Rich Kuehn and Dean Schuler at their home in Belmont, you've seen the canyon in question. Any Belmont members that want to get involved here?

PACIFICA: Should dogs be allowed on all beaches even those that have Snowy Plovers and Caspian Terns with young? Should the parks pick less sensitive beaches for off-leash dogs?

FOSTER CITY: Ongoing input on the **Sea Cloud II** dredging project.

SFO RUNWAY EXPANSION PROJECT: We continue to participate in the workshops.

SAN FRANCISCO BAY RESTORATION PROGRAM:
Check it out at www.AudubonSFbay.org

Sequoia Audubon Society



Cape Ivy

Light at the End of the Tunnel

Cape Ivy (aka German Ivy) is one of the most pernicious and persistent of California's invasive exotic plants. Heavy applications of herbicides can eradicate it, but their use is usually impractical since this would result in the defoliation of large areas or the contamination of watersheds. Mechanical eradication requires that all the plants be hand-picked, removed and burned. The elimination must be total as Cape Ivy can clone itself from even the tiniest fragment of root or stem. Attempts at hand-removal have been very discouraging as the plant usually re-establishes itself in a short time.

Some time ago botanists noted that the plant was actually quite rare in its native South Africa and concluded that there had to be some extremely effective natural predators at work. Under this premise these scientists convinced the United States Department of Agriculture (USDA) in 1997 to initiate research to discover these biological controls. The funding for this project proved to be inadequate and it wasn't until the California Native Plant Society committed private funds to this project that it got off the ground.

Two serious predators on Cape Ivy have been discovered — one a previously undiscovered moth species — and are being tested in the USDA quarantine labs in Albany, NY to be sure they will not prove harmful to native plants.

Early results are giving the scientists a great deal of hope that these insects cannot subsist on our native plants and will be effective against Cape Ivy but it will probably be three to five years before they know for sure, get the necessary permits and have a sufficient stockpile of insects to turn loose on the ivy.

Tulare Lake Rehabilitation

Except in extremely wet years, when the San Joaquin River and its feeder streams overflow their banks, Tulare Lake is marked by row on row of cotton plants, bolstered by federal crop, water and selenium reduction subsidies.

Now, the National Audubon Society and Ducks Unlimited have announced that the federal government will pay \$1 million to rehabilitate thousands of wetland acres lost to development and farming in the Tulare Basin in the southern San Joaquin Valley. The money will be combined with funds from partners, including the US Fish and Wildlife Service and Semitropic Water District in Kern County, to pay for the \$1.278 million restoration. Work will begin this fall on 22,400 privately owned acres, of which 1,657 acres will be converted into seasonal wetlands and 1,105 acres to associated uplands. Another 2,760 acres will be outright purchased from private landowners as part of the project.

Historically, the basin hosted millions of waterfowl and shorebirds annually.

The 2001 Christmas Bird Counts

Crystal Springs
Saturday, December 15th

Ano Nuevo
Sunday, December 30th

Al DeMartini, Compiler

Come join the large group of counters for fun and wonder! Get to know the wintering and resident birds in San Mateo County. Please sign up as soon as possible by e-mailing the SAS Office at office@sequoia-audubon.org or

Al DeMartini at Al_DeMar@yahoo.com or calling the Office at 369-1093, or Al at 345-6988.

When you sign up, please let us know your phone number, e-mail address, experience and whether you'd prefer counting on the bayside or the coastside.



Be prepared to come out whatever the weather and spend the day looking for birds. All counters are welcome. Each count costs \$5, which the section leaders will collect.

We will have a compilation dinner on December 15th at the Garden Center. PLEASE LET US KNOW IF YOU THINK YOU'LL BE THERE, SO WE CAN PLAN ACCORDINGLY. A WARM, TASTY DINNER IS A MERE \$5.

We need feeder watchers, too. Let us know if you'll watch your feeder for a period of time on December 15th.

Come and practice your skills on the weekend of December 8th, when we have two different field trips available.



WINTER 2002 BIRDSEED SALE ORDER FORM

All Orders With Payment Must Be Received By Wednesday, January 15, 2002

Proceeds support local Audubon conservation programs

Pickup dates will be within 2 weeks of January 15th

Confirmation and details will be sent via e-mail or US postal mail.

Check Preferred pickup location below:

Half Moon Bay £ Burlingame £ San Carlos £ Pacifica £ San Mateo £ Atherton £

	Number of Bags	Cost in \$	Number of bags	TOTAL CUST
AUDUBON WILD BIRD MIX red & white millet plus black oil sunflower	20 lb @	\$10.00/bag	x _____ =	\$ _____
RED/WHITE MILLET MIX	20 lb @	\$9.00/bag	x _____ =	\$ _____
BLACK OIL SUNFLOWER	25 lb@	\$9.50/bag	x _____ =	\$ _____
WHITE PROSO MILLET	25 lb@	\$9.00/bag	x _____ =	\$ _____
THISTLE	5 lb@ 20 lb@	\$8.00/bag \$28.0/bag	x _____ =	\$ _____
SUNFLOWER CHIPS	25 lb@	\$23.00/bag	x _____ =	\$ _____
TOTAL				\$ _____ *

*Tax deductible contribution to Sequoia Audubon Society

Swan Hunting Season?

A news release issued by the Pennsylvania Game Commission on April 6, 2001 suggests the Game Commission may launch a Tundra Swan hunting season in Pennsylvania in a few years. They are laying the groundwork now.

In the US, swans have been generally excluded as game birds. This may be a throwback to England where all swans are the property of the Crown and are protected from all interference by others or it may be that they don't taste as good as ducks or geese (unlikely) or it may be a matter of esthetics.

To register your objections contact the Pennsylvania Game Commission and very express your views on a Tundra Swan hunting seasons in Pennsylvania. You can reach the Game Commission at:

Executive Director
Pennsylvania Game Commission
2001 Elmerton Ave.
Harrisburg, PA 17110-9797
<www.pgc.state.pa.us>

Banded Plovers

SHOREBIRDS: Please keep your eyes on Pluvialis plover legs during the migration and wintering season! Pacific Golden-Plovers banded at various sites (Oahu, HI; Johnston Atoll, HI; Nome, AK) might be coming your way, also American Golden-Plovers, and Black-bellied Plovers captured near Nome.

Each bird wears the standard F&WS metal band plus some combination of color-bands or flags. It is important to record the exact sequence on each leg, and whether there is a color-band above or below the metal band.

Send observations with as much information as possible to: Wally Johnson, Dept. of Ecology, Montana State University, Bozeman, MT 59717, 406-994-3190 <owjohnson2105@aol.com>; FAX 406-994-3190 or Phil Bruner, Natural Sciences Div., BYU-Hawaii, Laie, HI 96762, 808-293-3820; FAX 808-293-3825 <brunerp@BYUH.edu>.

Arastradero Field Trip Report

Garth Harwood
3/17/01

On a Sequoia Audubon Society field trip at Arastradero Preserve our group of 15 managed 43 species seen or heard in bright, warm conditions. (8 more, including an early, bright male Bullock's Oriole, were found during my pre- and post-trip wanderings.)

No rarities, but the resident birds were lively and interesting. Raptors were a particular highlight: in addition to the usual White-tailed Kites and American Kestrels which are numerous there, we saw a pair of immature Cooper's Hawks circling together, two Northern Harriers (one, an adult-plumaged male, refused to put in an appearance for the group), at least four adult Red-tailed Hawks, and a lot of Red-shouldered Hawk activity at two nests within 1/8 mile of each other. One pair was carrying oak twigs (with desiccated foliage still attached) to a nest site, whereas the other nest, active in at least two recent seasons, was being defended but not constructed during our visit, so we could not determine whether there were in fact two pairs of Red Shoulders at the two active nests. A pair were also observed copulating prior to our group visit.

Both nest sites are very close to the lake in live oak tops.

Other observations of potential interest include a pair of Bewick's Wrens taking a very public dust bath on a busy trail, copulating Oak Titmice, a singing House Wren, two singing female Purple Finches, a shy Green Heron seen only by a few, and numerous Western Bluebirds, Violet-green and Tree Swallows (all of the latter busily circling nest boxes.) One participant found an Orange-crowned Warbler as well.

During nestbox checks without the group, I also observed a White-breasted Nuthatch carrying material into a box, and found three early-stage Western Bluebird nests and one probable Oak Titmouse nest under construction.

Wildflowers were in full glory at the preserve. Butterflies in flight included West Coast Lady, Echo Blue, California Singlet, Mourning Cloak, Mylitta Crescent, Cabbage White, and for the second consecutive spring, a Creamy Marblewing at yellow mustard blooms (I have yet to see this species anywhere else locally.)

Turtles were mating at the edge of the lake, just above the waterline -I presume these were the native Western Pond Turtle.

A small racer snake was found in the grassy section east of the parking lot.

Book Sale!

We will have a special sale of bird and nature books at our December Potluck on the thirteenth. Longtime Sequoia Audubon member and supporter Jeb McClellan passed away recently and left us his collection of bird books along with some other objects of art. Before our scheduled program you will have a chance to purchase any books or other materials of interest to you. We will also offer some of the material as prizes to members attending the potluck. Expect bargains!

All proceeds benefit Sequoia Audubon Society.

Hummers Changing Migratory Habits?

In the last few years, an increasing number of *Selasphorus* hummingbirds (Rufous, Allen's and Broad-tailed) have been heading east, not south, and are wintering throughout the Southeastern United States, with the largest numbers being reported from Louisiana.

Birders began to pick up this phenomenon in the 90's and it has been steadily accelerating with thousands having been reported during this past winter.

Not Dumb, Just Deaf

Manatees Can't Hear Boats

Most manatees in Florida bear scars from encounters with power boats and nearly 900 manatees have been killed by boats since 1974.

The "conventional wisdom" is that manatees are either too dumb or too slow to get out of the way.

Edmund Gerstein of Florida Atlantic University and his wife, Laura, tested two captive manatees and found that they have trouble hearing low-frequency sounds, such as an outboard motor. They are developing a high-frequency warning device that can be attached to boat hulls in hopes that this might save some of these endangered animals.

Gardening With Natives In Coastal San Mateo County

Nicole Salgado

Have you ever felt that your garden could use a boost of color, or qualities that attract birds and butterflies? Do you need easy plants that tolerate little care or water? Or, are you an experienced gardener looking for excitement and a multitude of beauties to add to the ranks of your masterpiece? Are you a natural enthusiast who prefers to your garden to enhance, not compete, with the existing landscape? Are you into organics, or worried about the loss of native habitat in today's world?

If you answered yes to any of the above questions, gardening with California native plants may be for you. Landscaping with natives is both a long standing tradition as well as an evolving science that has many environmental and aesthetic benefits. Natives can be planted in a variety of ways, including, but not limited to; Planter Boxes, Islands (Creatively shaped raised beds), Fences/Borders, Hedgerows, and Baskets/Pots..

Winter is when the rains come, and for the community of native plant enthusiasts, this is the time TO PLANT. Here are some tips on planting and lists of suggested plants. To find the nearest California Native Plant Society near you, visit www.cnps.org. To find the nearest native plant nursery near you, or for more resources about native plant gardening, contact Nicole at the San Francisco League of Urban Gardeners Native Plant Nursery at Log Cabin Ranch in La Honda at 747-9606.

Keys to successful landscaping with natives:

1. Diversity. This cuts down on infestation, and increases the variety of shelter, food, fragrance, and aesthetic appeal by season. Plant fruit, berry, and nut-bearing shrubs for food. Thorny plants give protection for nesting birds.

2. Design. Consider the desired effect. The tighter you plant, the more impenetrable of a wall you'll create, and the farther apart, the opposite. Consider soil type, and light and moisture levels.

3. Adaptable. Choose species that are adapted to your local microclimate. See list.

4. Plan for seasons. For example, adding evergreens will unite a design and carry it through the months of leaf-drop, adding seeds and cover. Try flower colors by seasons.

5. Vines. Spice up a design, especially along a wall or a fence, with a vine or two, depending on size of your plan. Birds love berries and you'll love the effect.

6. Edges. Plant along borders to highlight a foundation or fence. A hedgerow can be extended, or planted underneath, with herbaceous perennial wildflowers and grasses to maximize the habitat.

7. Revitalization of old sites. Pump up an old garden or a hedge by planting a row of plants very close to the existing ones. Avoid cutting bushes or the grasses during the heavy nesting season (April-July). Even changing the appearance of the surrounding area can cause parent birds to desert their nest.

8. Work with what you've got. Check out a book on native plants (suggestions below) to see if there's already successful ones in your yard. Chances are you've got some specimens that just need a little weeding around or TLC. Some plants can also be transplanted or divided up. Collect and scatter seed.

Common Native Plant Choices for the SF Peninsula

For a more inclusive list, please call me.

SHRUBS/TREES (approximately descending in size)

Coast redwood (*Sequoia sempervirens*)
Lush flat green needles, small cones

Douglas fir (*Pseudotsuga menziesii*)
Aromatic needles, tufted cones

Bigleaf maple (*Acer macrophyllum*)
Bunches of green-red flowers, BIG leaves, winged seeds

California Buckeye (*Aesculus californica*)
Spray pink/white flowers, fan shaped leaves, buckeye nuts

Willow (*Salix* sp.)
Catkin flowers, smooth/shiny green-grey leaves

Red or Blue Elderberry (*Sambucus* sp.)
White clusters of flowers, red berries

California Lilac (*Ceanothus* sp.)
Clusters of bright indigo flowers, shiny leaves, brown seed clusters

Coffeeberry (*Rhamnus californica*)
Small green-white flowers, shiny leaves, dark purple berries

Wax Myrtle (*Myrica californica*)
Shiny, aromatic foliage

Coyote Brush (*Baccharis pilularis*)
White flowers, waxy leaves, fuzzy fruit

Snowberry (*Symphoricarpos albus*)
Small pink flowers, white berries

California Sagebrush (*Artemisia californica*)
Very aromatic, silver-blue foliage, clusters of whitish flowers

(Continued in the February Edition)
(If you can't wait that long, contact Nicole)

What's Happening with the Snow Geese?

Four years ago the Canadian Fish and Wildlife biologists predicted a massive crash in eastern Snow Goose populations inasmuch as the birds were eating their tundra nesting sites bare.

In 1999, a new study confirmed the results of the first study and confirmed that a catastrophic die-off was imminent.

Last year, US Fish and Game studies showed that there were probably more Snow Geese than ever before.

So, does anybody know what's happening?

Sequoia *NEEDLES* is published monthly except in January, July and August. Members are encouraged to submit material to be published in the *NEEDLES*. The deadline for the submission of materials is the first day of the month preceding publication. These may be original articles, original artwork or cartoons, or uncopyrighted material from other sources. Items dealing with conservation issues must be submitted to the Conservation Committee prior to publication.

Information for all officers and chairpersons should be mailed to PO Box 3897, Redwood City, 94064-3897 Please send RENEWAL MEMBERSHIPS directly to National Audubon in the envelope accompanying your renewal notice.

Please send LATE RENEWALS or NEW MEMBERSHIPS through Sequoia Audubon Society to insure continuity of newsletter or magazine subscriptions.

SEQUOIA AUDUBON SOCIETY'S WEB PAGE'S URL is Sequoia-aud.org

The *Needles* e-mail address is Ulticoot@yahoo.com

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THE BIRD BOX
(415) 681-7422



We invite your membership in the National Audubon Society & SAS. To join, please complete and mail this form with payment to SAS, PO Box 3897, Redwood City, CA 94064-3897

☐ National Audubon Society Membership

New \$20 (1 year) Student/Seniors \$15

Members receive *Audubon Magazine* & *NEEDLES*.

Make checks payable to National Audubon Society.

☐ *Needles/Update* only. \$15 for 9 issues

☐ **Donation:** SAS appreciates your tax-deductible donation which helps fund the chapter's education, conservation and ongoing activities.

For membership renewal information call National Audubon Society at (800) 274-4201

Name _____

Address _____

City _____ State _____ Zip _____

Telephone Number _____

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SEQUOIA AUDUBON SOCIETY

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