



sequoia needles

Bulletin of the Sequoia Audubon Society • San Mateo County • Volume 42, No. 11 • October 1994

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Letter From The President

By Julia Mandeville

The Sequoia Audubon Society Board of Directors is trying to increase the effectiveness of our operation by increasing member participation and program funds. The Board has established a Development Committee. Richard Kuehn, our Vice President, has volunteered to co-chair the committee. Francis Toldi, Harriette Judge and Rick Baird have all volunteered to serve. Please call Rich (591-4380) or me (729-1006) if you have an interest in helping with this new committee.

For many years our Chapter has operated on a shoestring budget. (The recently approved 1994-1995 budget is available at the Sequoia Audubon Society office). Even a \$3.00 contribution from each of our members would almost double our annual operating funds.

Our ability to contribute to local and

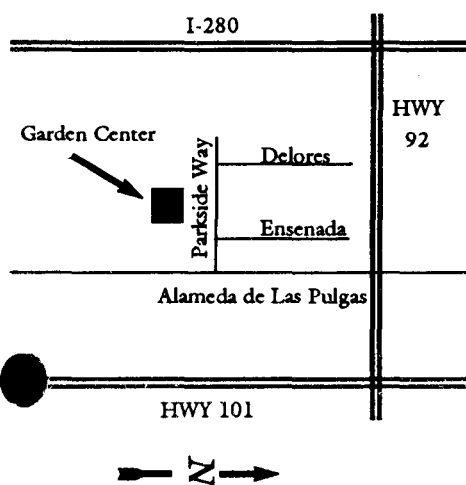
regional conservation efforts and environmental education has been severely curtailed by our limited operating budget. Simultaneously, new opportunities for service to our communities have come to our attention. Anne Moser is serving as liaison with groups working to insure the preservation of Pillar Point Marsh. Sequoia Audubon Society will have to raise money and increase membership participation in order to take on new obligations.

I have challenged the Board and Committee Chairs to increase membership participation by bringing one new person to a field trip or general meeting during the month of October.

The Needles is sent to approximately 1700 addresses. Yet our average general meeting attendance is 25-30. Please join your Board and Chairs in reaching out to members who do not usually attend meetings or field trips or to others who might enjoy the Sequoia Audubon Society programs.

General Meeting October 13 Program – Birding “Down Under”

Denise Wright, Program Chair for the Mt. Diablo Audubon Society, will give a slide presentation on a recent trip to Australia. Denise spent an entire month birding the east coast and “Top End” of Australia by herself and with knowledgeable local birders. Her trip was a wonderful adventure and included standing knee-deep in crocodile-infested mangrove mud to see the elusive Chestnut Rail, petting a live, wild python while it was in the process of swallowing a wallaby, having Crimson Rosellas and King Parrots land on her head, and hand-feeding wild Regent Bowerbirds.



GENERAL MEETING

Second Thursday of the Month, 7:30 pm
At the San Mateo Garden Center
on Parkside at the Alameda

MARK YOU CALENDAR

Board Meeting – October 6

General Meeting – October 13

BOARD MEETING

First Thursday of the Month, 7:30 pm
At the Sequoia Audubon Office
All members welcome

Any information for the Needles should be sent to the Sequoia Audubon Society office. The deadline is the last day of the month 2 months prior to the month of publication.

SEE BIRDSEED ORDER FORM ON PAGE 7 - OCT 12 DEADLINE

Backyard Birder

By Rick Held

Bats on the Peninsula

Halloween is upon us, and many images of bats will be used as seasonal decor for our homes, schoolrooms and stores. If one of those images stimulates a serious conversation, a common question will probably be "Do we have bats in this area?" For us in San Mateo County, the answer is definitely yes. In fact, according to "BATS!", a Bay area Bat Rehabilitation and Education organization, more than thirteen species of bats are found locally.

How Are They Beneficial?

In spite of their Hollywood image of being associated with vampires and other unsavory characters, bats are actually highly beneficial animals and are even vital in their pollination of certain food plants. The one most commonly found here, the little brown bat (*Myotis lucifugus*), is a voracious consumer of mosquitoes, eating 600 to 700 per hour during nighttime feeding. Other local species, such as the big brown bat (*Eptesicus fuscus*), primarily consume beetles, forming colonies like their smaller cousins and even sharing roosts at times.

Are Bats Harmful?

Bats have an unwarranted reputation for harboring disease, especially rabies. In fact, the rabies infection rate of bats in the wild is quite low - you have more to fear from your neighbor's unvaccinated dog. And, contrary to myth, when ill with rabies, bats become torpid relatively quickly after infection, rather than suffering the active frenzy associated with the canine illness. (Extreme caution should be used whenever a bat, or any wild animal, is found on the ground in the wild - do not handle the animal unless absolutely necessary.)

Attracting Bats

Several local bat species, including the little brown, big brown, pallid (*Antrozous pallidus*) and Mexican free-tailed (*Tadarida brasiliensis*), are all house-dwelling creatures. They typically search out warm and cozy roosting spots where they rest during the day. Since many of

their favorite roosting spots have been removed with urbanization, the best way to attract bats is to erect a bat house. According to recent studies, occupancy rates across the US average about 52% for man-made roosts. But you can effectively improve your chances of success by noting these important criteria:

Size and design: Larger houses, typically 24 inches tall and 5 to 6 inches deep, multi-cell and even with an "attic," seem more attractive than smaller, single-cell ones. This may be because the larger houses accommodate more bats, generating and retaining more warmth. At our latitude the outside color of the



house doesn't seem terribly important, although using aged wood (and smearing a little guano on the "front porch") does seem to improve the chances of first-year occupancy.

Location, general: Bat houses are most frequently occupied when they are in a mixed agricultural area, and especially near orchards (maybe we suburban-dwellers do have a chance!), and when they are within 1/4 mile of fresh water such as a pond, lake or stream. These criteria, assuring the ready availability of food, explain why bat houses on the Coastside seem more successful than those on this side of the ridge.

Location, specific: The best location for a bat house seems to be a free-standing pole. Mounting heights range from 10 to 20 feet or more, the higher the better. (Fortunately, you do not need access for cleaning or other maintenance.) Houses located on the side of a structure also get occupied at a fairly high rate, but those in trees seem a bit less successful. The houses should be oriented so that the flat side receives morning sun. Six to eight feet of open space below the house allows free entrance and exit.

Other: A free-standing garden light, 12 to 15 feet high, is reported to attract many of the insects that the bats feed on. (Even if it doesn't, it at least allows you to glimpse them as they chase their prey around the yard.)

If your evening outdoor activities are limited by mosquitoes, you might consider hanging a bat house as a natural, and quite effective, insect control. Bats are better than a bug light, by far!

For More Information

For information on attracting bats, building bat roosting boxes, identification and ranges of bats, and even how to get them out of your house, see "America's Neighborhood Bats" by Merlin D. Tuttle, University of Texas Press.

The periodical "BATS" is published by Bat Conservation International of Austin, Texas. It reports on recent bat research, such as habitat and food sources, seasonal roosting studies, population trends, natural history and conservation issues.



Festival of the Cranes

November 17-20 - The 1994 Festival of the Cranes, Bosque del Apache National Wildlife Refuge, Socorro, New Mexico.

The Bosque del Apache National Wildlife Refuge is dedicated to the preservation of riparian habitat. Managed by the U.S. Fish and Wildlife Service, the Refuge provides a winter home for many thousands of Sandhill Cranes, geese, and ducks, as well as a few rare Whooping Cranes. Bald and Golden Eagles, Great Blue Herons, Wild Turkeys - a total of 325 species of birds, many seen year-round - live and flourish in these ideal wetlands. Bring your camera, binoculars, and spotting scopes for self and staff guided tours of Bosque del Apache. Once you've seen and heard the spectacle of a morning fly-out at Bosque del Apache, you'll be hooked forever.

There will be more than 100 scheduled events celebrating the annual return of thousands of Sandhill Cranes, Snow Geese, ducks and rare Whooping Cranes to their wintering grounds. For more information write:

Festival of the Cranes
P.O. Box 743-B,
Socorro, New Mexico 87801
or call:

Socorro County Chamber of Commerce
(505) 835-0424.

Preregistration for all events closes
Nov. 11, 1994.



Calendar of Events

Saturday, October 1 - San Pedro Valley Park

This wooded park provides a variety of habitat for migrating and nesting species of forest and grassland birds. Our leader knows that park well as she has reported on it for the last several years - both for the Christmas Count and for the Breeding Bird Atlas. The trip will entail some walking along easy trails. The park has been consistent in producing one or two surprises every spring and we may be lucky enough to find one of those Eastern Warblers or Vireos this year. Begin at 9 am in the parking lot to the right of the visitor center. To get there, take Hwy 1 to Pacifica, turn inland on Linda Mar Blvd and follow it to its end. Jog right into the park.

LEADER: JUDY SPITLER 355-9362



Sunday, October 2 - Pelagic Birds From Shore

The man who virtually created the concept of pelagic birding from shore will show us some of the field marks that identify those distant (and sometimes not-so-distant) off-shore birds. We'll meet at 9 am just north of Pigeon Point Lighthouse on the access road off Hwy 1 about 30 miles south of Half Moon Bay. If weather conditions do not permit off-shore viewing, we will retreat to inland areas for a morning of birding.

LEADER: BARRY SAUPPE 726-1081



Thursday, October 6 - Sequoia Audubon Society Board Meeting

7:30 PM at the Sequoia Audubon Society Office. All members

welcome. Call ahead to be sure there will be room.



Saturday, October 8 -

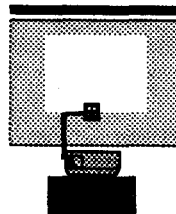
Montara Mountain

The Sequoia Audubon Society Conservation Committee has planned a trip for members who would like to enjoy a majestic peak with panoramic views and which is threatened with a slash and destroy operation by CalTrans in its bid to build a bypass at Devil's Slide. Come visit this ecosystem accompanied by a guide from the Sierra Club. Meet at 10 am at the parking lot on the east side of Hwy 1 at Crespi Blvd. Bring water; we plan to be finished by 1pm. For more information contact Bob Wilkinson, 347-8367.

Thursday, October 13 -

Sequoia Audubon Society General Meeting

Birding "Down Under": a slide presentation on a recent trip to Australia by Denise Wright, 7:30 pm.



Saturday, October 15 -

Hawk Watch at Point Diablo, Marin Headlands

Point Diablo (Hawk Hill) is the major fall hawk lookout in western North America. Accipiters outnumber all other species, so although their peak has passed, we should see enough to practice the various theories of distinguishing between Coopers and Sharp-shinned Hawks (and listen to the experts argue). Even in the middle of October, raptors pass this point at almost



50/hour, so the opportunity to sharpen one's identification skills is unparalleled and this is the time of year when we have a small possibility of seeing a Goshawk. Added to all this is the expertise of our leader, who has worked with Golden Gate Raptor Observatory for 5 seasons as a hawk watcher. After lunch we have the

option of birding the pines for migrants or going down to Rodeo Lagoon. Bring lunch, liquids, layered clothes. Meet at 10 am at the base of Hawk Hill by the sign in the parking area on Conzelman Rd just before it becomes one-way. Take 101 north across the Golden Gate Bridge to the first exit, Alexander St, swing back under the freeway and follow the GGNRA exit immediately before you would re-enter the bridge southbound.

LEADER: LESLEY FLINT 573-6279

Wednesday, October 19 - Pacifica - Sharp Park Shoreline and Golf Course

This area can be extremely productive in winter, encompassing a harbor with Scoters, Loons and Mergansers, a beach, a fresh-water marsh and isolated groves of trees, all of which have been known to yield surprises. Meet at 9 am at the Anchor monument just south of the fishing pier on Sharp Park Beach. The trip should break up at noon. Heavy rain cancels trip.



LEADER: JUDY SPITLER 355-9362

Saturday, October 22 - Coyote Creek Riparian Station - Bird Banding Demonstration

Biologist Chris Otagan will show us Coyote Creek's network of mist nets and demonstrate how birds are captured, recorded, banded and released. Some of the other work of the Station will be discussed and demonstrated and there will be a field trip to the adjacent ponds which have been so productive of fall and winter shorebirds in recent years. We'll meet at the Station at 8 am. To get there, take 101 south to Hwy 237 and 237 east to the McCarthy Blvd exit. From this exit, take a right on Bellevue, a right on McCarthy, a left on Ranch Road and a right on Milpitas/Alviso Ave. over a bridge. Just beyond the bridge look for the Station entrance on the right, before you come to any houses. Look for the gate on the levee.

LEADER: CHRIS OTAGAN 355-9362



Development Committee Members Sought

By unanimous vote at its August 4, 1994 meeting, your Sequoia Audubon Society Board of



Directors created a Development Committee. Chaired by Rich Kuehn, with Francis Toldi and Harriette Judge, this committee is actively seeking inaugural members with a desire to assist in assuring additional funding, both short- and long-term, for our Audubon chapter.

Meetings will be monthly and it is planned we will begin by updating or revising our organization's mission statement, in order that we can clearly and concisely present our aims to the public. Our charge entails the establishment of avenues for increased financial support from corporate firms, especially those in San Mateo County, as well as development of a Planned Giving Program for individuals, utilizing various gift mechanisms from bequests to charitable remainder trusts. While this will require marketing Sequoia Audubon Society to the public, it also dictates that we develop a means for follow-up and recognition, perhaps a "Heritage Circle" or special yearly award dinner.

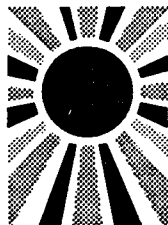
If you have past experience in this area due to your employment of involvement with other nonprofits, or if you simply have a desire to help our chapter grow and succeed into the 21st century, we need you active participation now. Please contact Rich Kuehn at 591-4380. Our first meeting will take place in October.



Who's Who

Nick Coiro

After 30 years as an accountant with US Steel and 25 years of birding in earnest after his interest was first captured on a high school biology teacher's walks, Nick has birded in most states and part of Canada. For the past 12 years he and his wife have travelled in an RV, including three trips across the country,



most recently down the Great River Road paralleling the Mississippi River; he belongs to a local RV club that meets on the 3rd weekend of the month. He shares his experience as a docent at Coyote Point Museum, by teaching birding classes for the Foster City Recreation Department, and giving talks to school classes and to some retired and garden clubs. He will teach a miniclass at College of San Mateo in December 1994.

His other interests include Elderhostel and genealogy - he's traced his ancestors back to the mid-1700's.



The Bay Area's Biggest One-Day Hiking Adventure?

ABSOLUTELY! All across the region, all on the same day. Eleven incredibly diverse Peak hikes with a range of trails to meet every hiker's interest and skill. You can pick where you want to hike and how hard you want to hike. Each Peak is unique, but they're all amazingly accessible...right here in your own backyard.

Experienced leaders will guide you on specially selected trails and show you sights and places you never expected to find in the Bay Area. You'll be accompanied by outdoor experts - naturalists, botanists, geologists - who will provide you with insights to local ecosystems.

Space is limited on the hikes, so make sure to get your registration form in early.

Sunday, October 16 - Sponsored by Greenbelt Alliance (\$20 registration fee). For registration/release form call 1-800-543-GREEN.



How We Can Help Latin American Conservation

Fairfax Audubon Society (Northern Virginia) needs your help in collecting used binoculars for financially-strapped conservation/education groups and institutes in Latin America. As many of you know, conservationists in the tropics desperately need binoculars for environmental education. Even an old pair can easily cost more than a month's salary in Latin America, far beyond the reach of most students or groups. Your help in this

project also means helping to conserve neotropical bird migration and reproduction here in the US.

Fairfax Audubon Society volunteers have a local optics expert check and repair the donated binoculars, then recruit responsible travellers to Latin America hand-deliver them to their donor recipients, all recognized universities and respected conservation groups. So far their project has donated over 150 binoculars and several telescopes to groups in Colombia, Costa Rica, Chile and Mexico.

For more information contact Gary Filerman 703-356-9033 or Jack Peckham 703-892-4026.



Sequoia Audubon Society Education Committee News

by Robin Smith

SAS sponsors teachers in San Mateo County for Audubon Adventures in the Classroom.



Audubon Adventures is a youth program of the National Audubon Society aimed at elementary school children in grades four to six. The program includes a bimonthly publication, a teacher's guide with activity ideas and background information, and student membership cards and decals. This year's subjects include bats, deciduous trees, sea turtles, owls, the amphibians, butterflies and moths, plus during April, Audubon Month, endangered species.

The enrollment fee is \$35 per classroom (up to 32 students). Last year, 42 San Mateo County classrooms were enrolled; nationwide over 600,000 children in 18,539 classrooms were enrolled. Sequoia Audubon Society asks you to consider sponsoring a classroom for the current school year. If you would like to participate, send a check for \$35, made out to Sequoia Audubon Society, to the SAS office with a note indicating the money is for the Audubon Adventure Program. If you wish, you may specify that your sponsorship is for a particular school or teacher. If you are an elementary school teacher and would like your class to be sponsored, contact the SAS office to enter your request: 345-3724.



"Name That Bird" to Continue

by Rich Kuehn

Back by popular demand, "Name That Bird", begun last Fall in video format as a pre-program bird identification segment allowing all members to match wits with the likes of Cliff Richer, Rick Baird, Robin Smith, Grace Sain, or other longtime birders, will continue again this program year.

New members of Sequoia Audubon Society may not be aware this portion of our monthly meeting had its origins many years ago, when members would bring in one or two slides for a "Bird of the Month" presentation. Nick Coiro, using slides he had taken, later evolved this into the "Name That Bird" format to teach bird ID, often comparing similar-appearing species. In fact, it was from one of his presentations that I became more aware of the differences between Greater and Lesser Scaup.

As I enjoy videography, it was natural that when I became co-chairman of the program committee, I decided to resume the "Name That Bird" element of our meetings utilizing video. It has been interesting to observe members' reactions as they realize these birds move about, feed and sing or call, though we can also "freeze-frame" them for more detailed study. Many of the Sequoia Audubon Society field trip regulars have seen me carrying camera and tripod as I attempt to film new material for future use. Others have asked for details on how I "capture" these feathered friends, so the following is an all-inclusive explanation.

Currently I am filming with a Canon L1 Hi8mm camcorder, which has 2 rotary heads, a half-inch CCD image sensor, 2 channel audio and a VL lens mounting system. Through a VL to EOS adapter, I am also able to mount any Canon EOS still camera on the camcorder. Most of the video footage used at SAS meetings has been shot using an EF 300 mm f/2 L ultrasonic lens coupled with an Extender EF 2X. With the 5.4 multiplier effect created by the adapter, this results in a 3240 mm f/5.6 lens and an additional requirement that the camera & lens be tripod-mounted, usually controlled by wireless remote to reduce jitter. Combined with battery pack, this weighs in at 18 pounds.

Images are filmed on Hi8mm metal evaporated tape due to its better color purity and then edited to the more

durable Hi8mm metal particle tape, using a Canon VE-100 video editor LANC terminal connected between 2 Hi8mm Sony VCRs.

Beginning this September, monthly segments also contain transitions and other digital effects produced by next routing the video through a Videonics MX-1 Digital Video Mixer and/or Videonics TitleMaker 2000 on its way to the recording Hi8mm VCR.

As many of our observant members have noted, if the filmed bird is not singing or calling, I frequently dub in audio utilizing Peterson Field Guides CDs (produced by Cornell Laboratory of Ornithology and Interactive Audio), to enable everyone to both see and hear the birds, aiding identification. The finished tape is then played at the meeting on a Sony Hi8mm VCR and projected onto the Garden Center wall screen via a Sharp LCD projector, using a low power red laser beam pointer to emphasize field marks.

While many of the birds shared at meeting have been found and filmed on my SAS or VENT Field Trips, others are the result of tips from members, like yourselves, who desire to share a sighting and call to alert me as to where a particular avian species might be filmed.

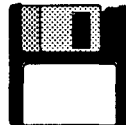
If any of you have additional questions regarding the technical aspects of our "Name That Bird" program, or have birds you desire to see on film at a future meeting, please do not hesitate to contact me at 591-4380. Who knows, perhaps your find will be the bird that momentarily stumps our next member audience!



On the Shelf

by Michael Lee Huxgen, MLS

To our Needles contributors - don't believe all the commercials about computer incompatibility - Harriette is Mac and I'm PC, but we manage just fine, though sometimes it takes a little Double Dutch frisbee! Please, faamolemole, bitte, dozo, if you are composing on a computer, make your submissions electronically, on diskette. I type 70 words a minute, but after 10 years of college I can't think of much I'd rather do less! We will make mailers available at the SAS office.



People

Water

Wildlife

1994 National Audubon Society Convention

Attend one, two or all three components of the 1994 Convention. It's a perfect opportunity for you to make a difference! Come, see and learn first-hand what Audubon is doing nationwide to save South Florida's imperiled ecosystem.

November 11-13 - Fort Myers, Florida - Biennial National Convention

November 15-18 - Everglades National Park, Florida - Mobile Learning Lab (11 guided group trips)

November 18-20 - Miami, Florida - Population Conference - "The Road From Cairo"

For information on registration, lodging and travel details, write Audubon Convention Office, 4150 Darley Ave Suite 5, Boulder, CO 80303-6537, phone 303-499-3622, fax 303-499-0286



Binoculars Needed

Your old/working binoculars are needed.

Exploring New Horizons, a non-profit environmental education organization based in Loma Mar, needs binoculars for the use by the students who attend their programs. The trained staff provide outdoor experiences for public, parochial and private schools throughout the Bay Area. Two primary sites are utilized, Camp Loma Mar and Pigeon Point Lighthouse. If you can donate a pair, bring your old binoculars to a Sequoia Audubon Society meeting or call Anne Moser at 415/324-1718.



Teaching About Wetlands

Field Trips, Lectures and Workshops to be held at California State University, Hayward, sponsored by the Aquatic Habitat Institute, Department of Biological Sciences at CSUH and U.S. Army Corps of Engineers Bay Model Visitor Center, providing educators with tools to spark a greater interest in and effectively teach about wetlands. Saturday, November 5 - Conference

Saturday, November 5 - Conference

Sunday, November 6 - Field Trips

Saturday and Sunday, November 12 and 13th - Field Trip

Conference fees are \$30, Credit \$60 and field trips \$20-\$25

For registration contact Aquatic Habitat Institute 510-231-0539.

To apply for Sequoia Audubon Society sponsorship (conference fees only) contact SAS office 415-345-3724.

A partial list of field trips:

- Wading Into Wetlands, Environmental Volunteers, Palo Alto
- Monitor Creeks, Coyote Creek Riparian Station, Aliso
- Marsh Studies, Richardson Bay Audubon, Tiburon
- Explore Mudflats and Salt Marshes, Hayward Shoreline Interpretive Center, Hayward
- Canoe Up Corte Madera Creek, Corte Madera



November General Meeting Program

Shore Bird Study

by Janet Hanson from the
San Francisco Bay
Bird Observatory

Thursday, November 10, 1994.
7:30 pm At the San Mateo Garden
Center on Parkside at the Alameda

Ramsey Canyon in the Summertime - Birding in Arizona

by Rosalyn Jones

On a trip to southeast Arizona this summer my husband and I stopped at Ramsey Canyon, a Preserve run by the Nature Conservancy. We were very lucky to see a pair of Elegant Trogons and two young Trogons perched on branches right along the Nature Trail. The Volunteer who showed us this beautiful bird told us that this was the first time in 20 years Trogons had nested there, and they had two pairs nesting in the Canyon.

I had heard that this exotic bird could be seen in Arizona, but only by climbing high up the canyon hills, and then by pure chance, so I had thought I would never see one. These birds were only a few hundred feet from the Ranger Station and in clear view near the trail.

The birds weren't the least bit skittish. They perched calmly watching people watching them. At one point the male was perched right next to a fledgling while watching us. The fledgling reached up and gently tweaked a feather as if to remind him that he was neglecting his job. The male turned to look at his fledgling briefly, acknowledging this "reminder," then flew off and in a couple of minutes came back with a yellow butterfly.

Another clear sighting, right on the same trail and near the Ranger Station, was a Sulfur-bellied Flycatcher.

This was a wonderful place for Hummingbirds. They were everywhere, at the feeders, perched in the trees and zooming precariously past our heads. There were feeders near the Ranger Station and at the Lodge right outside the Preserve Gate where we stayed overnight.

We were told that there were 11 species that day and that 14 have been counted there. I am not an experienced enough birder to recognize all of them, but I did add 4 to my "life" list.

Among the many other birds we saw were Painted Redstarts flitting among the trees and a Wild Turkey with 3 young picked their way through leaves and brush, ignoring us. A Coati Mundi (raccoon-like animal ambled by).

The road to the Preserve was paved and the Canyon entrance not very far from

the town of Sierra Vista, about three or four miles. It was very easy to get to and the trip was much more rewarding than we had hoped. We were in Arizona for 5 days, August 10-14th, and nowhere else did we see the variety of birds that we saw at Ramsey Canyon.



Avocet Festival '94

Saturday, October 8

The San Francisco Bay National Wildlife Refuge proudly presents Avocet Festival '94, Saturday, October 8, from 10 am to 4 pm at the Refuge completes in Fremont. Admission is free. The festival features semi-annual California Native Plant Sale, an Environmental Fair and the 14th Annual Wildlife & Nature Arts and Crafts Show.

The Avocet Festival is co-sponsored by San Francisco Bay Wildlife society, Ohlone Audubon Society, Santa Clara Audubon Society, Sequoia Audubon Society, Tri-City Ecology Center, and The Citizens Committee to Complete the Refuge.

The Environmental Fair celebrates the Bay Area's irreplaceable wildlife resources. The Audubon Society, the Nature Conservancy, the San Francisco Bay Bird Observatory, and a host of other environmental organizations present programs, including wildlife demonstrations and nature videos, and discuss wildlife issues that concern California residents.

The San Francisco Bay National Wildlife Refuge is at the east end of Dumbarton Bridge. Exit Highway 84 at Thornton Ave, go south 0.8 miles to Refuge entrance at Marshlands Rd. Turn right and follow signs to festival area next to Avocet Marsh. For further information call 510/792-4275 between 8 am and 5 pm.



WHO...

Do you ask for
expert advice on
bird feeding?

- Feeders • Seed • Houses • Books
- Tapes/CDs • Baths • Binoculars • Gifts



Wild Bird Center

926 El Camino Real
San Carlos
(415) 595-0300



Membership Committee Report

Anne Maser

The committee is going to focus on 3 areas in the coming months. First, we are going to contact those people whose chapter-generated memberships have expired and encourage them to renew, while finding out their assessment of the strengths and weakness of Sequoia Audubon Society. Second, we are going to place extra copies of "Needles" in 5 locations within the county in order to encourage participation and membership. Third, we are going to use a page in the November "Needles" to survey the SAS membership in order to get your opinion. Watch for the November issue and *please* return the survey.



Welcome, New Members

Mr & Mrs Grant Allison
J. Becker
Helen R. Bedesem
Margie Belleson
Susan Bernardi
Delpha S. Berry
Patricia Borga
Stacy/Bryan Bouma
Ruth Croes
Paul Dick
Brenda Donath
Ms Carolyn Dorn
Phillip L. Duecker
Miss Shirley Fox
Jobyna Gankin
F. Heslet
James A Hillard
Sandra Ann Hirzel
Mr Thomas Malone

Geogie C. Miller
Emily Hoche Mong
Liz Odonnell
Mr Scott Ogilvie
Mr Collins Orton
Ms Karen Petterson
Valerio T. Rabanal
Miss Stella W. Shen
Phyllis Sletten
Isabel W. Strong
Yvone Tryce
Rod Vankruining

Welcome, Transferred Members

Norm Gross
S.P. Lowengart JR.
Northrop
Donna Pomeroy

FALL 1994 SAS BIRDSEED SALE ORDER FORM

All Orders With Payment Must Be Received By Wednesday October 12! Prices Include Sales Tax.

Proceeds support local Audubon conservation and education programs

Please check preferred pickup location. Pickup dates will be October 20 - 23 with details to be advised later.

- | | | | |
|------------------------------------|-------------------------------------|-----------------------------------|--|
| ☐ San Bruno | ☐ Burlingame | ☐ Belmont | ☐ Half Moon Bay |
| ☐ Pacifica | ☐ San Mateo | ☐ Atherton | |

	# Bags	Cost
AUDUBON WILD BIRD MIX50 lb @ \$22.00/Bag _____		= \$ _____
red & white millet plus black oil sunflower		
.....20 lb @ \$11.00/Bag _____		= \$ _____
RED/WHITE MILLET MIX50 lb @ \$21.00/Bag _____		= \$ _____
.....20 lb @ \$10.00/Bag _____		= \$ _____
BLACK OIL SUNFLOWER50 lb @ \$30.00/Bag _____		= \$ _____
.....25 lb @ \$16.00/Bag _____		= \$ _____
WHITE PROSO MILLET50 lb @ \$21.00/Bag _____		= \$ _____
.....25 lb @ \$11.50/Bag _____		= \$ _____
THISTLE25 lb @ \$49.00/Bag _____		= \$ _____
.....5 lb @ \$11.00/Bag _____		= \$ _____
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