



OAKLEAVES

A PUBLICATION OF THE LOS OSOS / MORRO BAY CHAPTER of SMALL WILDERNESS AREA PRESERVATION
P.O. BOX 6442, LOS OSOS, CALIFORNIA 93412-6442 ♦ (805) 528-0392 ♦ JUNE / JULY 2005

Aliens in the Forest

By Ron Rasmussen, SWAP Chair

The abundant winter rains have stimulated a burst of new growth in the Elfin Forest and have produced a bumper crop of our nemesis, veldt grass. Throughout Los Osos and in many parts of San Luis Obispo County, acres of the reddish seed heads are overwhelming the few remaining native plants.

In the Elfin Forest, seeds of veldt grass that have lain dormant, perhaps for years, have sprouted and threaten to reverse the eradication efforts of SWAP volunteers and the CCC. Other grasses, such as brome and wild oats, are also now abundant in the Forest. This year we may not make significant progress toward complete removal of these invaders, but hope to minimize re-colonization of areas that had been cleared.

Elsewhere in California, and really throughout the world, foreign species of plants and animals have been introduced into new habitats. Sometimes there have been severe economic impacts or effects on pre-existing species, but perhaps just as often there was little or no harmful outcome. (A recent article in DISCOVER MAGAZINE, May, 2005 gives a discussion and some examples of invasive species).

An objective investigator viewing our veldt grass situation might conclude that, on the whole, it may not be an entirely bad thing. After all, the perennial grass is very hardy. It stabilizes sandy soils, retains moisture, and provides a microhabitat for small invertebrates. Why, then, should SWAP and San Luis Obispo County Parks put so much time and effort into controlling this and other invaders in the Elfin Forest? The answer is that SWAP and County Parks, as well as the many regular visitors to the Forest, want it to be preserved with the diversity of plants and animals characteristic of the coastal dune and chaparral region.

A new 56-page edition of the SWAP Pocket Guide to the Plants and Animals of the Elfin Forest lists 25 mammals, 14 reptiles and amphibians, about 200 bird species, over 100 arthropods, 200 vascular plants, 60 lichens and 40 mushrooms. Left unattended, the Forest would soon become essentially a monoculture of veldt grass, with only those species remaining that are able to survive in such a system. There would be no spring and summer flowers, no resident birds, and few, if any animals. With support from its loyal members and in collaboration with San Luis Obispo County Parks, SWAP will continue to maintain the Elfin Forest in a state as natural as possible.

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Visitor Comments

A frequent visitor to the Elfin Forest, Robbie Freiler is a local resident and a very supportive member of SWAP. On a recent visit, he was accompanied by his faithful white Bechon Frise, "Jessie," and by Marilyn Ameer, also a local resident, with her smooth-coated collie mix named "Zoey." During their visit, Pat Sarafian was trimming the overgrown vegetation along the Boardwalk and stopped to visit with Robbie and Marilyn. She happened to have her camera and decided to capture the moment, and to share some of his comments with Oakleaves readers.

Robbie has been a supportive member of SWAP for about four or five years. He feels fortunate to be able to visit a place like our Elfin Forest. The Boardwalk gives him access, so he can get some necessary exercise once or twice a week. He emphasized that he is very grateful for all the work that dedicated SWAP volunteers have done to keep this place up. Indeed, it's a Los Osos, California, beauty. Anyone calling SWAP to offer a helping hand, for small short-time needs as well as longer efforts, can be assured of deep and genuine appreciation from frequent visitors like Robbie Freiler.



Robbie Freiler (in wheel chair with dog, Jessie) and friend Marilyn Ameer (with Zoey) enjoy frequent visits to the Elfin Forest thanks to the presence of the boardwalk.

Photo by Pat Sarafian.

SWAP Publishes New Pocket Guide

By Yolanda Waddell

After two and one-half years of species-by-species searching and checking, writing, editing, proofreading and sending lists to experts to verify, SWAP's new 56-page pocket guide, "Plants and Animals of the Elfin Forest Natural Area," has been printed and is available. SWAP's first Pocket Guide was published in 1997, and was 24 pages long. Bob Meyer, Chair of the Pocket Guide Revision Editorial Committee, ordered a printing of 1000 copies on durable paper so that the booklet will hold up for the next five years or so of use until the next revision is published.

The new Pocket Guide is an inch longer (8 inches) than the first Pocket Guide, but is still 4-1/4 inches wide, and will fit into almost any pocket. New features are a table of contents; a 5-page introduction; a 2-page key to abbreviations used in the tables; a map of Elfin Forest Habitats in the centerfold; 5 columns of descriptive information in the vascular plant tables and a common name cross-reference list; habitat and peak period information in the list of birds; a separate section on butterflies and moths; and a list of lichens.

Members of the Pocket Guide Editorial Committee included Bob Meyer, Chair; Yolanda Waddell, Co-chair, Pat Brown, Heather Johnson and Jean Wheeler. This work group did the planning, research, writing, editing and proofreading of the Pocket Guide. Additional valuable and important proofreading and editing was given by Jim Johnson and Pete Sarafian.

SWAP is grateful to the scientists and specialists who produced the lists for the original Pocket Guide, most of whom checked the lists for the new guide: Dr. Aryan Roest (now deceased), mammals; Ron Ruppert, mammals, reptiles and amphibians; Jim Royer, birds; Dennis Sheridan, arthropods and mushrooms; Kathryn Bay, Dr. David Kiel and Dr. V.L. Holland, vascular plants. Those working on the new Pocket Guide included Mike Stiles, birds; and Dr. Dirk Walters, vascular plants.

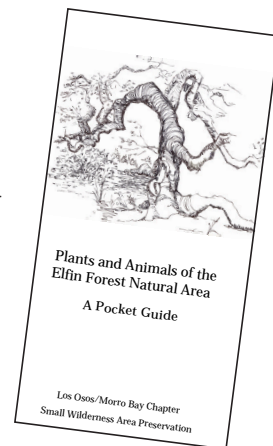
Those who helped the committee to produce new lists included Dr. Tom Richards, gastropods; Pat Brown, butterflies and moths; and Charis Bratt, lichens. Dr. Jean Wheeler and Bob Meyer wrote the introduction, and Bob Meyer designed the Habitat Map of the Elfin Forest. Lichenologist Charis Bratt, who lives in Goleta, went the extra mile, literally, by driving to the Elfin Forest several times to produce an accurate list of the Forest's lichens.

Thanks to Isobel Hoffman for letting us use her drawing of the gnarled coast live oak on the cover, and for producing the quail drawing in the bird section. Additional illustrations, which also appeared in our first Pocket Guide, were drawn by Becky McFarland, now Director of the Rancho El Chorro Environmental Center.

The San Luis Obispo County Community Foundation provided us with a grant that kept our production costs below \$2.00 per copy. Without their grant, our final cost per guide would have been \$2.03. We also appreciate

the extension of the grant deadline which they gave us when we realized that, to do a good job, we needed more time.

The new Pocket Guide can be purchased directly from SWAP for \$2.00 by ordering it via the form on page 7, or from a member on one of our Third Saturday Walks. You can also purchase a copy from the Morro Bay Museum of Natural History, the Los Osos Chamber of Commerce, or local bookstores in Los Osos, Morro Bay or San Luis Obispo. The cost at these locations will probably be slightly higher because they will need to cover their costs. For more information about the Pocket Guide, leave a message for Bob Meyer or Yolanda Waddell on the SWAP message phone, 528-0392.



The members of the Pocket Guide Editorial Committee and two auxiliary members who helped a great deal, are very happy that their project is complete, and a good-looking Pocket Guide is now in print. Shown at Bush Lupine overlook (L-R) are Pete Sarafian, Pat Brown, Jean Wheeler, Jim Johnson, Heather Johnson, Yolanda Waddell, and Bob Meyer.

Photo by Gary Beckwith.

Where To Call, Where To Write

If you have questions about SWAP activities or want to volunteer, please call 528-0392 and leave a message.

A recorded message will have information about our 3rd Saturday Walks, Work Saturdays, and other events.

If you have questions, concerns or comments about any problems in the Elfin Forest, call or write:

Chuck Lowe, SLO County Parks Supervising Ranger,
1087 Santa Rosa Street, SLO, CA 93408, (805) 781-4417.

If you witness vandalism or other crimes, call the County Sheriff at 781-4550.



OAK LEAVES

is published six times per year beginning in February.

Co-editors are Yolanda Waddell and Jean Wheeler;

layout is by Katy Budge.

Editing assistance by Pat Grimes.

Contributors to this issue:

Gary Beckwith, Wendy Brown, Bob Meyer, Ron Rasmussen, Pat Sarafian, Pete Sarafian, Mike Stiles, Linda Tanner, Yolanda Waddell, Dirk & Bonnie Walters, and Jean Wheeler

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If possible, all copy should be submitted by e-mail to: ywaddell@kcbx.net AND jeanwheeler@charter.net.

Weed Warriors Spring to Action

By Pete Sarafian, Conservation Chair

March and April 2005 brought out near-record numbers of volunteers to combat record numbers of weeds. The heavy rains this spring still had not subsided as of late April. Invasive grasses were still growing and going to seed. This kept everyone busy, just combating the grass. The infestations were particularly dense in the west end of the Elfin Forest, north of 11th, 12th and 13th streets.

Helping in the weeding effort were Donna Banks, Jay Bonestell, Jim and Jessica Burke, Amanda Bustamante, Steve Cake, Callie Ford, Christina Hadley, Martha Lewis, Bob McDougle, Bob and Sharon Meyer, Don Mollett, Mike Palads, Ron Rasmussen, Pete and Pat Sarafian, Karen and Amanda Silva, Dave, Karen, Aly, and Stephanie Sweeny, and Yolanda Waddell. Thank you to all for helping to keep the Elfin Forest from being overrun. Special thanks go to Dr. Tom Richards of Cal Poly for helping as the snail monitor for the Morro Shoulderband Dune Snail.

Enjoy Gardening?

In addition to your own garden, there could be a spot out in our Elfin Forest where you could very much help out. We could use some assistance in boardwalk vegetation trimming. If interested, please leave a message for Pat Sarafian at the SWAP message phone, 528-0392. She will train you and then work together with you when time is convenient for you both. This is needed only a few times a year.

SWAP First Saturday Work Parties

Are held at 9 a.m. to noon on the first Saturday of each month. Volunteers should meet at the north end of 15th Street. Dress for sun and wind and bring work gloves if you can. Some work gloves, tools and drinking water are provided.

Call 528-0392.

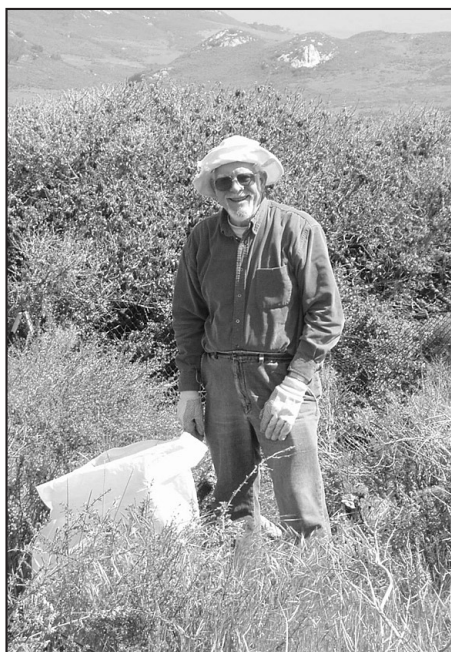
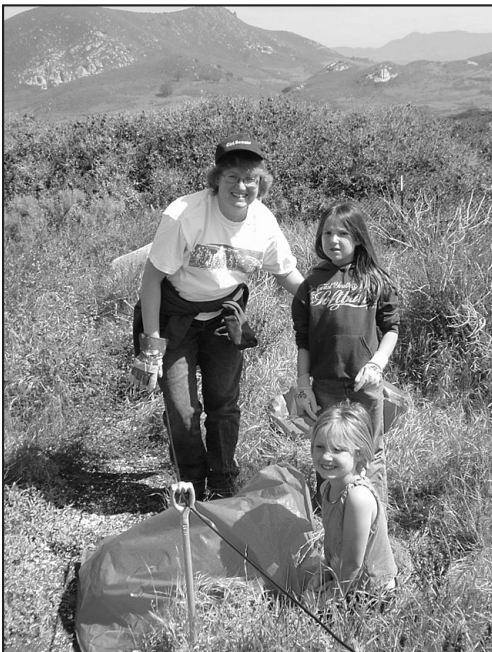


In April, the Weed Warrior crew included members of Brownie Troop 620 and their parents.

Some of the sixteen volunteers who showed up to help remove grassy weeds from Butterfly Hill are shown on this page.

*Clockwise from the photo at right, they are:
Amanda Silva, Troop 620,
and her mother, Karen;
Jim Burke;
SWAP Treasurer, Bob McDougle;
Karen Sweeny with daughters Stephanie
and Aly, both members of Troop 620;
and Jessica Burke.*

Photos by Yolanda Waddell.



Sounds of the Elfin Forest

By Mike Stiles

As I write this in mid April, after more than 28 inches of rain, the Elfin Forest is awash in color. The fiddle-necks, deerweed, and sticky monkey-flowers are in full yellow bloom, the black sage is decked in light blue, and everything from the dudleyas to the oak trees is lush and vibrant. The place is most certainly a treat to the eyes.

If you close your eyes, though - and remain quiet - you can become aware of the vast array of sounds normally hidden from the consciousness of many visitors. It is spring, and the birds are establishing nesting territories and attracting mates with a wide variety of often boisterous calls and songs.

In the early morning dawn chorus, you may hear the sharp "chink" of the California Towhee or a vibrant "tweeeeee" from the Spotted Towhee, who lets his call go with such force, it sounds as if it's been held in check for as long as birdly possible.

The Bewick's Wrens are seemingly everywhere. Their songs usually start with a few single notes, followed by a rapid buzz, then drops off into a fast "tu tu tu tu." This wren's songs are highly variable though, and birders joke that an unknown song from the chaparral is probably a Bewick's Wren.

The Wrentit, a small nondescript bird more often heard than seen, can be identified to gender by its song. The female sings an evenly paced "tu tu tu tu", while the male will start off the same but then rapidly descend into a faster paced version, like a ping-pong ball dropping and then bouncing.

Perhaps the most boisterous and varied of the Elfin songsters is the California Thrasher. It proclaims itself from the tops of the shrubs with harsh, loud squawks and warbles, interjected with high-pitched notes from its large, down-curved bill. A member of the family Mimidae (mimics), this thrasher has been heard to impersonate even coyotes and tree frogs accurately.

The pre-dawn darkness offers a cacophony of calls from the marshy edges of Morro Bay. The croaks and kwaanks of the herons and egrets are interspersed with the descending whinny of the Sora. There are also pig-like grunts from the Virginia Rail, and, if you're lucky, the incessant "keekeedoo" of the rare Black Rail. At times, the combined chortling of the Brant will even dominate the rich, sewing machine-like staccato of the Marsh Wren.

During your next visit, turn off your cell phone or Walkman and listen to the sounds of the Elfin Forest. Soon you won't even be able to tune out the monotonous two-note song of the Hutton's Vireo, or the excited twinkling chatter of the Common Bushtits when a Red-tailed Hawk cruises over the landscape.



California Thrashers can be seen sitting atop shrubs, serenading passersby in the Elfin Forest. Photo by Linda Tanner.

CCC Bolsters War on Weeds

By Pete Sarafian, Conservation Chair

Once again, the California Conservation Corps. (CCC) assisted in the never-ending war on weeds. The CCC helped to clear the highway embankment on South Bay Boulevard of veldt and other invasive grasses this spring. They also helped with veldt grass control between 15th and 16th Streets along the southern edge of the Elfin Forest. This heavily overgrown area is one of the worst infestations in the park. The CCC pulled out smaller bunches and clipped seed heads off of large bunches of grass that might harbor the Morro Shoulderband Dune Snail.

Without the Corps' assistance, we couldn't keep up with the weeds. Thank you, CCC!



A CCC Crew joined SWAP's war on veldt grass in April, focusing on the huge infestation between 15th and 16th Streets and the embankment along South Bay Blvd. Shown with Crew Chief Mark Bailey (right rear) and Crew Chief Victor Rocha (left rear) were Corpsmembers Kristina Coto, John Harris, Alfonso Joven, Jr., Latisha Lavinge, Samantha Masi, Michelle Mokhantha, Kevin Nolden, Christopher Sabatino, Jennifer Spaulding, Enrique Velez and Cesar Ramirez. (Names are not in photo order) Photo by Yolanda Waddell.

Let's All Pull Together!

The rain has been good to the weeds.
They're lush and green and full of seeds.
We'll lay them all low,
Row after row.
Only you can do the dirty deeds.



-- Pete Sarafian

SWAP BOARD OF DIRECTORS

*The Board of Directors of the Los Osos/Morro Bay Chapter of
Small Wilderness Area Preservation (SWAP)
consists of the following members:*

Ron Rasmussen, Chair
Pete Sarafian, Vice Chair
Bob McDougle, Treasurer
Yolanda Waddell, Secretary
Bob Meyer, Member at Large
Pat Sarafian, Member at Large

SWAP BOARD MEETINGS

The SWAP Board of Directors
meets on the 2nd Monday of each month at 7 p.m.
at the Coast National Bank, 1193 Los Osos Valley Road.

The next meetings are

Monday, June 13, and Monday, July 11.

All Board meetings are open to the public.
To confirm the date, time and location
(which are subject to change), phone 528-0392.

WALKS in the ELFIN FOREST

Third Saturday Walks

June 18, 9:30 a.m. – Solstice Walk

Summer Solstice is upon us! Bob & Joan Field will lead a Solstice walk based on the theme that the diversity, abundance, and distribution of life depend on seasonal changes in the interactions of sunlight and water. This time, Bob will emphasize the influence of the oceans on everything you can see in the Elfin Forest and Joan will highlight seasonal changes in the plants. The new content of the program should interest those who attended their winter solstice walk.

July 16, 9:30 a.m. – Summer in the Elfin Forest

July in the Elfin Forest is a special time of year. The spring flowers have come and gone and are fully succeeded by an equally magnificent array of summer flowers. The relative warmth of the summer months means the butterflies and other insects will be at their highest population levels. Join local naturalist Al Normandin as we explore these and other wonders of the forest during the height of summer.

August 20, 9:30 a.m. – Archaeology Walk

Renowned archaeologist, Dr. John Parker, will tell us about the long-ago inhabitants of the Elfin Forest and the Central coast. As he leads us along the boardwalk, he'll take us back to the times of the ancient people who preceded the Chumash, and will show us how archaeologists can determine the rise and fall of the ocean's level by studying human habitations. He'll show examples of technology development through the ages, and will give us a word image of everyday life in the Elfin Forest during the time of the Chumash, including stories about Chumash money, economy and trade. This walk will open up a complex world of the Elfin Forest's inhabitants for us, one that we would never suspect while walking along the boardwalk today.

Walks in the Elfin Forest begin at 9:30 a.m. (unless otherwise noted) at the north end of 15th Street off Santa Ysabel in Los Osos. Wear comfortable shoes, long sleeves and pants to avoid poison oak and mosquitoes. Please park carefully, avoiding driveways and mailboxes. We ask that you not bring dogs or other pets. The easy paced walks last 1-1/2 to 2 hours. For more information call (805) 528-0392.



(above) During March, geologist George Mason (2nd from right) led a fascinating walk and talk about the evolution of Morro Bay and the extinction of mega-mammals as the Central Coast came out of the ice age. Photo by Yolanda Waddell.

(below) Local TV station KSBY produces a weekly program that focuses on the environment of the Central Coast. For their program on the endangered Morro Shoulderband Snail, they interviewed Conservation Chair Pete Sarafian, who is well-informed about the snail, because it lives in the Elfin Forest. Photo by Yolanda Waddell.



Mutt Mitt Update

Our Mutt Mitt program is in its third year, and Elfin Forest visitors with dogs (most of them, anyway) have become accustomed to pulling a plastic Mitt out of one of the seven street-end dispensers on entering the Forest.

There is a group of SWAP volunteers who make sure that the dispensers are kept full, so that dog walkers always have a Mutt Mitt available. Pat Sarafian, Volunteer Coordinator, reports that the most recent addition to our Mutt Mitt team is Carolyn Boomer, who will take care of the dispenser on 17th Street. We're most grateful to Carolyn for taking on a task that is very important for the well-being of the Elfin Forest.

Other Mutt Mitt volunteers are Dorothy Norwood, Rosemary Flamion, Beth Wimer, Susan McTaggart, and two young volunteers, Carly and Rosaly Davidson, age 13 and 10 respectively. Dorothy Norwood is the Mutt Mitt Committee Chair. If you notice that a Mutt Mitt dispenser is empty, please call the SWAP message phone, 528-0392, and leave a message for Dorothy. She'll see to it that the dispenser is filled.

So Long to Jim and Karen Havlena

For almost as many years as our SWAP chapter has existed, Jim and Karen Havlena have been faithful and generous members. Not only that, when we had questions about taxes or problems with the SWAP, Inc. tax report, Jim provided us with his skills as a Certified Public Accountant, without charge.

Now the Havlenas have decided to move to the Mendocino coast where they found a house on a lovely piece of land overlooking the ocean. We assume that it must be good birding country as well, since they are dedicated birders.

We wish them well in their new home, and we are sure that some lucky organization on the north coast is going to benefit from their participation.

Clustered Broomrape

By Dirk Walters, Ph.D.; Drawings by Bonnie Walters

If each of us was asked to define the term, plant, I suspect the plant pictured would not fit completely. I think that our definitions would include a rooted, green individual that is capable of making its own “food.” The light energy trapped by green chlorophyll is used to combine soil water absorbed by roots with carbon dioxide, taken from the surrounding air, into sugars. But what is “food”? When we animals think of food, we do not make a distinction between energy and matter. This is because both are conveniently packaged together in what we eat. We also know that all of this food comes to us ultimately from green plants. Biologists term organisms such as us, heterotrophs. On the other hand, biologists use the term “autotroph” for plants. Plants are capable of combining non-organic energy (sunlight) with separately acquired inorganic molecules to produce energy and material-rich organic compounds. The process is called photosynthesis. All green plants are autotrophs. However, the plant Bonnie drew for this *Oak Leaves* article is totally brown; its leaves are tiny brown scales. Since it produces no chlorophyll, it can't photosynthesize. Without photosynthesis, it must obtain its “food” in some other way. In other words, it must be a kind of heterotroph like we animals. Indeed, it is one of the few fully parasitic plants.

The drawing is of *Orobanche fasciculata* or, as it is commonly known, Clustered broomrape. The broomrapes are annual or perennial herbs that parasitize several species of dicots. The plant Bonnie drew consisted of several clusters growing close to shrubby California buckwheat plants. The Jepson Manual reports that *O. fasciculata* tends to be parasitic on several native shrubs such as Sagebrush (*Artemisia*), California Buckwheat (*Eriogonum*), and Yerba Santa (*Eriodictylon*). Two of the three mentioned genera have species in the Elfin Forest – Coast California buckwheat (*Eriogonum parvifolium*) and California sagebrush (*Artemisia californica*). I suspect either could serve as a host. I have only seen one clump near where the Boardwalk branches off to Bush Lupine Overlook. I don't remember which of these shrubs was in the vicinity. Broomrape produces a simple root system that grows until it encounters a suitable host root. When it does so, it produces a swelling at its tip that will spread around the host root. From this swelling, “filaments” grow into the host root. The filaments are able to tap into the host plant's water/mineral conducting tissue (xylem) as well as its processed food conducting tissue (phloem). Broomrapes can occasionally become so numerous as to kill their host plant. Since very few species of broomrape attack economically significant plants, it is not considered a significant pest.

A glance at the flowers might lead one to see a resemblance to those of paintbrushes, Owl's clovers, and Indian warriors. Since the resemblance is real, can we assume they all belong to the same family? Until recently, broomrapes were in one family, the *Orobanchaceae*, and the other genera were in the snapdragon family, *Scrophulariaceae*. This separation was based primarily on the broomrape's parasitic habit, whereas the other genera are either fully autotrophic or more commonly hemi-parasitic. Hemi-parasites steal their water and minerals from a host but do their own photosynthesis. However, recent work on flowering plant relationships indicates that the hemi-parasitic *Scrophulariaceae* are more closely related to the parasitic broomrapes than they are to the rest of the *Scrophulariaceae*. Therefore, the hemi-parasitic *Scrophulariaceae* should be combined with the existing



genera of the *Orobanchaceae* to form a “new” family. This means that our newly combined “family” will contain genera from at least two previously recognized families. What name should be given this “new” assemblage? We can't call it *Scrophulariaceae* because it does not contain its reference (or type) genus *Scrophularia*, the bee plant. *Scrophularia* is the only genus that *Scrophulariaceae* must contain according to the International Code of Botanical Nomenclature. The name, *Orobanchaceae*, is acceptable since its reference genus, *Orobanche*, is contained within the “new” assemblage and *Orobanche* has priority of use, i.e. it was in use before any of the other generic names within the assemblage. So it will appear that the hemi-parasitic genera from the old *Scrophulariaceae* will be “moved into” the formerly fully parasitic, *Orobanchaceae*. I assume we will have more to discuss about this move when we profile some of the moved genera from the old *Scrophulariaceae*.

Elfin Forest Sightings (Terror in the Elfin Forest)

By Pete Sarafian, Conservation Chair



The first indication that something was happening was a shrill, high-pitched squeal, like an animal in agony. It sent shivers of horror down the backs of witnesses. Further investigation revealed a life and death struggle going on under a black sage bush. There, under the branches, a three-foot-long, golden and brown-colored gopher snake was coiled around a small brush rabbit. The poor rabbit was being squeezed to death in the snake's deadly embrace. The pair was left alone to undergo their deadly dance in private. Then to the surprise of witnesses, the snake emerged, not an hour later, and slithered away. The one-inch diameter body of the gopher snake was not even doubled in the middle where the poor bunny had been crushed and swallowed whole. It was an amazing display of nature's dramatic ways.

Thank You to Our New and Renewing Members

Compiled by Wendy Brown, SWAP Database Coordinator

NEW MEMBERS:

Darenda Boswell
& Helena Hennessey

Stephen Cake
John Hicks

RENEWING MEMBERS:

Donna & John Banks*
Andrea Bersie*
Bob Blakeley*
Peggy Childers*
Mark Cohen*
Mary & Allan Conkling*
Scott Danielson*
Margaret Diehl
Nada Fuller*
Helen Graves*

Alta Hall*
JoAnne Heaney
Arylane Hill
Vivian L. Hodge*
James & Esther Landreth*
Audrey W. Mertz*
Mr. & Mrs. George Miller
Al & Carrie Pardo*
Robert Pavlik*
Wilson & Carolyn Pendery*
Tom & Sharon Pritchett*

Collette Roest
David Schurr
Dennis & Diana Sheridan*
Tomoko Sugano*
Dorothy E. Sylvester*
Martha & Don Vincent*
Lisa Wallender*
Norma & Peter Wightman*
H. Leabah Winter*
James & Jeane Wood*

**Thanks to those listed above who donated more than the \$12 membership dues.
The additional donations will be used for special projects in the Elfin Forest.*



SWAP Shoppers Order Form

1. MURAL SHIRTS (Older Design) - circle sizes

Words on shirt: "El Moro Elfin Forest Natural Area,
Small Wilderness Area Preservation, Los Osos, California"

___ Short Slv. T-Shirt (med., Lg, XLg, XXLg, XXXLg) @ \$15.00 = ___
___ Long Slv. T-Shirt (med., Lg, XLg, XXLg, XXXLg) @ \$17.00 = ___
___ Sweatshirt (med., Lg, XLg., XXLg, XXXLg) @ \$25.00 = ___

2. MURAL SHIRTS (New Design) - circle sizes

___ Short Slv. T-Shirt (Sm, Med, Lg, XLg, XXLg, XXXLg) @ \$15.00 = ___
___ Long Slv. T-Shirt (Sm, Med, Lg, XLg, XXLg, XXXLg) @ \$17.00 = ___
___ Sweatshirt (Sm, Med, Lg, XLg, XXLg, XXXLg) @ \$25.00 = ___

3. PHOTOS OF THE ELFIN FOREST

Original photo note cards by Bob Meyer @ \$3.00 = ___
Original photo postcards by Bob Meyer @ \$1.00 = ___

4. MURAL PRINTS

signed 5 1/2" X 17" prints by artist, Barbara Rosenthal
___ Black matted Mural @ \$20.00 = ___

5. NEW POCKET GUIDE

Useful 56-page guide of plants & animals of the Elfin Forest @ \$2.00 = ___

SUBTOTAL

(Prices include tax) ___

Shipping cost if outside of Los Osos/Morro Bay each Pocket Guide \$0.90 = ___
all other items \$2.50 = ___

TOTAL OF ORDER

(Please print when filling order — and indicate HOW MANY)

Name _____

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Make checks payable and mail to:

SWAP, P.O. Box 6442, Los Osos, CA 93412 - 6642.

Call-in orders may also be made: (805) 528-0392

New Item!

SWAP has recently published a 56-page Pocket Guide update titled, "Plants and Animals of the Elfin Forest Natural Area." It contains lists of the Forest's mammals; reptiles and amphibians; birds; common arthropods including a separate list of butterflies and moths; gastropods; a descriptive list of vascular plants, mushrooms; and a 60-species list of lichens. There is also a Habitat Map of the Elfin Forest.

The Pocket Guide sells for \$2.00.

Weed Warrior
Reinforcements Needed!

Los Osos / Morro Bay Chapter
SMALL WILDERNESS AREA PRESERVATION
A Non-Profit Public Benefit Corporation
P.O. Box 6442, Los Osos, CA 93412-6442
(805) 528-0392



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Weed Warrior Reinforcements Needed

The frequent rains this year that encouraged lush growth of our beautiful shrubs and spring wildflowers, unfortunately have also caused a bumper crop of weeds in our Elfin Forest. In recent years we were making headway against the alien invaders. But this year, despite valiant efforts by our faithful Weed Warriors and the CCC crew, we are hard put even to keep up with veldt grass and other weeds in the areas we had so diligently cleared before. The weeds sprang up and went to seed much earlier than usual, getting a jump start on us during the winter holiday season. With the rains still continuing in early May, more weeds grew; the same areas need repeated clearing. If you can spare a few hours on a first Saturday morning in June or July (June 4 or July 2), you too will be a much-appreciated Wonderful Weekend Weed Warrior. SWAP can certainly use your help!

... And Booth Workers Too!

This year's Family Fun Fest will take place on June 5th on Second Street in Los Osos. SWAP will be an exhibitor, and we need help tending our booth. If you can give us two or three hours of your time, and will enjoy talking to people who visit our booth, please leave a message for our Volunteer Coordinator, Pat Sarafian, on the SWAP phone, 528-0392. Thanks in advance for your help!

MEMBERSHIP FORM

Name _____

Address _____

City/State/Zip _____

Phone _____

☐ New Member ☐ Renewing Member

☐ Member \$12 ☐ Defender \$100

☐ Steward \$25 ☐ Champion \$250

☐ Protector \$50 ☐ Guardian \$500

☐ Life Member \$1000

☐ I want to help, please call me!

Memberships include a subscription to
SWAP's bimonthly newsletter, *Oakleaves*.
All donations to SWAP are tax-deductible.

EVERY membership counts!

Make checks payable to: SWAP.

Mail to: Small Wilderness area Preservation,
P.O. Box 6442, Los Osos, CA 93412-6442.