



# OAK LEAVES

A PUBLICATION OF THE LOS OSOS / MORRO BAY CHAPTER OF SMALL WILDERNESS AREA PRESERVATION  
P.O. BOX 6442, LOS OSOS, CALIFORNIA 93412-6442 ❖ (805) 546-1199 ❖ JUNE / JULY 1999

## Meet Mark Dariz, Boardwalk Designer

By Sandra Beebe

Mark Dariz is the architect who has been working on the Elfin Forest Boardwalk design and building process since 1995. Recently, I had the pleasure of doing this interview at his home in Los Osos. Mark and his wife Sue welcomed me into their home, as did three year old Amanda who shared her valued stickers with me. Mark made my job very easy for he is a personable and energetic young man who was eager to share his enthusiasm about the project.

Mark came to our area from San Jose in 1991 to study architecture at Cal Poly. In 1987, at the age of 20, Mark was injured in a motorcycle accident and this led to a five-month hospitalization. Previous to this Mark had been a truck driver but was studying to become a police officer. Since the accident left him wheelchair bound, Mark needed to re-evaluate his career plans. He had always had an interest in building so architecture was a natural for him.

The one bright note in his hospitalization was that his future wife, Sue, was a physical therapist at the hospital where he was recovering. Mark credits her with encouraging him through all the tough times after his accident. He began to study at a junior college in San Jose and then transferred to Cal Poly in 1991. Sue manages the Physical Therapy department at Sierra Vista.

Architecture was not an easy field for Mark to have chosen. There were long hours in the design studios where he learned that building projects never end – there is always more you can do.

**Mark's goal was not to just make this boardwalk something for those who were wheelchair bound, but his grand view was that it would make it access friendly to families with strollers, the blind, and anyone who had a special need, as well as preserving the habitats of the Elfin Forest by keeping people on the trail.**

## State of the Chapter

By Bob McDougle, Treasurer and Acting Chair

At a special General Meeting on May 3rd, the Los Osos/Morro Bay Chapter of SWAP took another step toward reorganization. A new set of bylaws was presented to the membership and a new slate of Directors offered for election. (Ed. Note: The bylaws were approved and the seven candidates were elected by the members present at the meeting. There were no nominations from the floor. The newly constituted Board of Directors of the Los Osos/Morro Bay Chapter includes: Les Bowker, Katie Davis, Robert McDougle, Pete Sarafian, Jim Weldon, Yolanda Waddell and Beth Wimer.)

This "rebirth" was necessary after several long-time board members stepped down to pursue other activities. SWAP was left with only four active members to carry out the functions necessary to accomplish the tasks to which it was committed. These tasks are maintenance and care of the Elfin Forest under the ADOPT-A-PARK contract between SWAP and the County of San Luis Obispo, and the completion of the Boardwalk Project. Of course, it is necessary that the funds set aside for these purposes be properly managed and the membership be informed of all activities.

The first step was the decision to rebuild the organization in preparation for future land acquisitions similar to the Elfin Forest. The second was a successful search for volunteers to assist in maintenance of the membership and mailing lists and production of the newsletter. In the meantime, there were the monthly walks to organize and lead, Boardwalk coordination meetings to attend and work parties to organize.

Good progress has been made on the Boardwalk and in planning interpretive signs and benches. Several benches have been donated as memorials and more will be established as information is published informing the public of the process. SWAP has gratefully signed on 7 new committee members and 3 new Board members to help with its operations (see article on Committee Members).

The new bylaws will change the manner in which the Board of Directors is Elected, and should result in a more constant Board membership. Additional volunteers must be found to rebuild the several committees necessary to plan and carry out activities such as Education, Publications, Community Outreach, Conservation and Fund-Raising. Your Board of Directors will continue to be active in these efforts and is continuing to carry out the commitments of SWAP's Los Osos/Morro Bay Chapter.

**Dariz** continued on page 2

# Elfin Forest Boardwalk Update

By Jan DiLeo  
County Parks Planner/Elfin Forest  
Project Coordinator

As of early May, the California Conservation Corps is completing the western portion of the Ridge Trail including Bush Lupine Point. This portion of the boardwalk ranged in width from 5'6" to 5'10". During the late part of May and early June construction will begin on the Celestial Meadow Trail (the northern boardwalk section). The Celestial Meadow portion of the boardwalk will be narrow consistent with existing trails (roughly 3 feet to 3' 6"), and will be placed so as to minimize vegetation disturbance.

Recently Stephen Dreher, a biology student at Cal Poly, has been collecting seeds of native plants in the forest. The seeds will be planted in the Elfin Forest after the boardwalk is completed. Areas proposed for replanting include duplicate trails and areas impacted by previous off-road vehicle use.

County Parks has applied for a time extension on the project's Environmental Enhancement and Mitigation Grant. It is expected the time extension will be approved. With the time extension in place it is anticipated boardwalk construction will be completed in August or September of 1999.

Concerns have been raised regarding bicyclists and skateboarders using the Elfin Forest Boardwalk. By late May signs will be placed along the Boardwalk prohibiting bicycle and skateboard use. In addition, a park ranger will be visiting the site on weekends and after school. Persons interested in skateboarding facilities should contact County Parks (at 781-5930) to help with the skateboard park planned at South Bay Community Park.

## Dariz continued from page 1



Mark Dariz with one of the benches he designed for the project.

Graduation was in 1996 and a local architecture firm now employs him.

In the summer of 1995, one of Mark's professors at Cal Poly approached him about designing the boardwalk in the Elfin Forest. He was immediately interested and began to work with then SWAP President Rosemary Bowker. Since he was a student, he brought in another of his professors, Paul Wolff, who was a licensed architect, and who has an interest in barrier free design, to be his mentor for this project.

Mark's goal was not to just make this boardwalk something for those who were wheelchair bound, but his grand view was that it would make it access friendly to families with strollers, the blind, and anyone who had a special need, as well as preserving the habitats of the Elfin Forest by keeping people on the trail.

His fervor for the project was even more deepened when he made his first visit to Elfin Forest. A special wheelchair was borrowed to traverse the sand but even with several able bodied people helping him, the ordeal of getting access to this area was extremely difficult and tiring.

There have been many ups and downs with this project - environmental issues had to be addressed and money had to be found. Mark credits the California Conservation Corps building crew chief, James Taylor, with carrying out his plans to perfection. The project, which was to be finished by now, continues with new challenges going on. The CCC had hoped to build 100 feet per day but the difficulty of the project has resulted in only 35-40 completed feet per day. Every twist of the trail brings more problems to be solved, and at this writing, the boardwalk is progressing well but is about three months from completion.

Just as I thought the interview was over, I learned something more about Mark. He has designed and is building the wooden benches that are being placed every 400 feet along the trail. He has finished the first of these and I had the pleasure of trying it out. I also saw a beautiful dresser he has designed and is almost finished building for his daughter Amanda's room.

If you have any questions about this project, please direct them to County Parks Planner Jan DiLeo, 781-5930.

### Where To Call, Where To Write

If you have questions about SWAP activities or want to volunteer, please call our phone message service at 546-1199.

A recorded message will have information about the Third Saturday Walks and other current events.

If you have questions, concerns or comments about anything that's happening in the Elfin Forest, call or write:

Pete Jenny, SLO County Parks Facilities Manager,  
1087 Santa Rosa Street, SLO, CA 93408, (805) 781-5930.



# Work Party Report

By Bob McDougle

10 April 1999: One of the best work parties I've ever seen added a lot to the completion of the boardwalk at the Elfin Forest this Saturday. When the volunteers began to arrive before 9 a.m., Bruce Boniface, Erhard Ludwig and J.T. (James Taylor) of the CCC were already there and laying out equipment for the job. Bruce is the Project Manager and J.T. the Crew Chief for the boardwalk project and Erhard is one of the fine young members of the work crew. This day, they were also volunteers since this was not a paid day for them. Bruce even gave up the last day of his vacation to be with us. Another of the volunteers was Jan DiLeo, SLO County Parks Planner and SWAP's prime partner for this project.

The purpose of this day's work was to install toe-rails along the edges of the boardwalk that will act as bumpers for the wheels of child strollers and wheel-chairs. Bruce first explained the work to be done and suggested methods to use in measuring and cutting the 2 X 4 toe-rails. Then we broke up into small work pairs with a couple of persons making sure we were well supplied with materials. The CCC provided all the tools and materials and generators necessary to complete the job. Soon, there were about six groups measuring and cutting wood and screwing down the toe-rails along the edge of the boardwalk. But first, the short support blocks had to be installed. They had been pre-cut and delivered to the site in readiness for this task. After we got going well, it was evident that each group had devised variations on the methods that Bruce had suggested. Despite the many curves in the boardwalk, this



Volunteers installing "toe-rails" along the boardwalk: from l to r - Jan DiLeo, Co. Parks Planner; Paul Wolff; Keith Wimer; Pete Sarafian, SWAP Board Member

bunch of amateurs managed to install the toe-rails with an appearance nearly as good as the work the CCC crews had done in laying down the basic walk.

It should be noted that some of the volunteers here this day are not (yet) members of SWAP. Our thanks to all who came out and put in such a great effort: Karl Appel, Bruce Boniface, Jan DiLeo, Jim Gold, Erhard Ludwig, Bob McDougle, Ray O'Dell, Pete Sarafian, George Taylor, James (J.T.) Taylor, and Keith Wimer. Our thanks, also, to Mark Dariz and Paul Wolff who came out to check on the progress and to survey the changes being planned in the route of the boardwalk.



## Book Review

### Estuary - A Natural Wonderland

by Harold Wieman (SLO Natural History Association; 1991. 62pp. \$6.95 pbk.)

A Review by M. A. Martin

"By simple definition, an estuary is a place where the tides of the ocean meet and mix with the currents of a river or stream." These deceptively uncomplicated words begin Harold Wieman's delightful study of the "Estuary - A Natural Wonderland".

Wieman tours our very own Morro Bay estuary beginning with the prehistoric rising of magma that formed Morro Rock, Black Hill, Cabrillo and Hollister Peaks, and Cerro Romauldo. He guides the reader through the glacial period that froze water and caused the sea level to be lowered by several hundred feet, then tells of the climate change that melted the ice and flooded the mouth of Chorro Creek.

Along with this concise history, Wieman speaks poetically of the Mother Earth mythology, likening the "tide that floods and drains the estuaries as the pulse of the earth". He explores the ultimate interdependence inherent in the estuarine ecosystem. Not only does the estuary act as a viable "food web" for the plants and animals of its marshy waters, but it also exists as a vital link to the plethora of aquatic food sources for man.

Wieman walks us through the changing dunes, building at an accelerated rate; through the tidal cycles that dictate the behavior

of estuarine species; through the favorable conditions that allow pickleweed and eelgrass to flourish; and demonstrates the interdependence of ducks and geese on these same tidal nutrients. He is fascinated by the diversity of life manifest in some 30 invertebrate species, the 70 species of fish, the 25 species of migrant water fowl, the 24 species of migrant shore birds, the colony of 20 or more harbor seals, sea otters, and sea lions. Wieman even waxes romantic about a fascinating organism named dinoflagellates that appear like miniscule fire flies, pinpoints of light that make luminous tracks in the agitated waters on a dark summer night.

Another treat for those of us who enjoy a visualization of what we've read, are the color photos and black and white sketches that highlight much of this treatise. Exceptionally candid photos of harbor seals, blue heron, sea otters, etc. grace the pages of this compact but information packed booklet.

Wieman concludes with a cautionary word against manmade changes to the estuary. Since "everything connects to everything else", he warns all of us to take an active interest in preserving the estuary not just for our generations, but especially for all the incredible aquatic species as well as flora and fauna that thrive on this vital, natural wonderland.

# Meet Our New Committee Members

By Yolanda Waddell

An army may travel on its stomach, but a volunteer organization moves on the backs of its committee members. Thanks to seven talented and active people who have joined our committees recently, our SWAP chapter will be more productive and efficient. We welcome them with open arms.

They are:

## MEMBERSHIP COMMITTEE

### Wendy Brown, Database Coordinator

Wendy is a CPA who wrote us a note pointing out that we were sending her duplicate mailings and asking if we needed help with our database. Of course we answered YES - PLEASE! Wendy says that she loves working with the information in a database (our membership mailing list), and making it more useful to the organization.



### Katie Davis, Membership Chair

Katie is a long-time member of SWAP, who did the drawings for an Elfin Forest coloring book in the 1980s (now out of print). Since then she has obtained her teaching credential at Cal Poly and is now teaching kindergarten in Templeton. She was also elected to be a member of the Board of Directors.

Katie Davis  
Membership Committee Chair &  
Board Member



Ruth Zank  
Membership Committee  
Correspondent

### Ruth Zank, Membership Correspondent

Ruth has recently retired from 30 years of nursing at Sierra Vista Hospital. She has been active in RSVP and the SLO County Botanic Garden, and graciously agreed to help us with our thank you notes to new and renewing members. She is also an excellent sleuth, recently figuring out why the Post Office kept refusing a newsletter addressed to San Jose - it should have been sent to Fresno.

## PUBLICATIONS COMMITTEE

### Sandra Beebe, Writer

Sandra is a retired psychologist who enjoys writing and likes talking to people. As a result, she is a natural at doing interviews, such as the one of Mark Dariz which she wrote for this issue of Oakleaves. She has past experience producing newsletters, and is a welcome addition to SWAP's Publications Committee.



Sandra Beebe  
Publications Committee Writer

*Interested in joining  
these talented and energetic people  
on one of their committees?  
Call SWAP at (805) 528-4540  
and leave a message!*

## SWAP BOARD MEETINGS

The SWAP Board of Directors meets on the second Monday of each month at 7 p.m. Board meetings will be held at the NEP Office, 3rd and El Moro Streets in Baywood Park on Monday, June 14, and Monday, July 12.

All Board meetings are open to the public. To confirm the date, time and location (which are subject to change), phone 528-4540.

June 14

July 12



## OAK LEAVES

is published six times per year beginning in February.  
Acting Editor is Yolanda Waddell; layout is by Katy Budge.

Contributors to this issue:

Sandra Beebe, Rosemary Bowker, Jan DiLeo,  
Madeline Martin, Bob McDougale, Yolanda Waddell,  
and Dirk & Bonnie Walters

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Madeline Martin  
Publications Committee Writer

**Madeline Martin, Writer**  
Madeline is a recent arrival in San Luis Obispo County. Her day job is at Cuesta College as lead phone operator, but she says she "lives to write." For many years she was an advertising and science writer in the Los Angeles area, but sacrificed a steady writing job in order to live on the Central Coast. Her abilities are evident in the Book Reviews which she has written for the April and upcoming issues of *Oakleaves*.

**EDUCATION COMMITTEE**

**Pat Brown,  
Photographer and  
Researcher**

Pat teaches nutrition at Cuesta College, and is a long-time supporter of the Elfin Forest and SWAP. Her excellent photographs taken in the Elfin Forest will be used for many Education Committee purposes. Recently she developed a fascination with butterflies in the Elfin Forest, and has been working to identify and photograph them.



Pat Brown  
Education Committee

**Jim Weldon,  
Docent Training**

Jim was voted to the Chapter Board of Directors in May, and expressed interest in docent training. In conversing about this, we learned that he was involved in preparing a docent training manual for the Sonora Desert Museum in Arizona. It didn't take much persuasion for him to agree to help plan our much-postponed docent training program. With his help, we should have a training program in place during 1999-2000.



Jim Weldon  
Volunteer Committee Chair,  
Education Committee Member  
& Board Member

**VOLUNTEER COMMITTEE**

**Jim Weldon, Chair**

Since a volunteer committee is key in an organization of volunteers, Jim has agreed to help us restart this committee which has been inactive since Janice Verity, our very able past Chair, retired

from it last December. When told that this job involves a great deal of telephoning, Jim, who is an insurance agent, said, "that's what I do all day."

**CONSERVATION COMMITTEE**

**Pete Sarafian**

Pete Sarafian, a new Board Member of the Los Osos/Morro Bay Chapter, has become very active in our Conservation Committee. The retired engineer lives close to the Elfin Forest, and has been hard at work weeding Slender-leaved iceplant from the west end of the Forest. He also is participating in seed collection for habitat restoration, installing toe rails on the Boardwalk, and working on the Veldt Grass Control Project along South Bay Boulevard.



Pete Sarafian  
Conservation Committee  
& Board Member

All of our new committee members have one thing in common: they love the Elfin Forest, and want to help SWAP be its advocate. They also have something else in common: they are members of SWAP who, when asked to help our chapter by joining a committee, said yes. In his State of the Chapter report in this issue, Bob McDougle listed the committees which we feel are necessary to care for the Elfin Forest and keep our Chapter running smoothly. If you, our member, could spare some time to help out for a year or so, please phone 528-4540 and leave a message. We'll get right back to you.

**WELCOME TO OUR NEW MEMBERS**

Karen Beatty, Sandra Beebe, Linda Davidson, Jan DiLeo, Nancy Hillenburg, Virginia Krouss, Pat and Pete Sarafian, and Alyce Thorpe and Robert Mayberry

**AND THANK YOU  
TO RENEWING MEMBERS**

Ron and Melissa Bayhan, Peggy Childers, Evelyn Eglash, Martha and Leon Goldin, M.E. and Helen Graves, Robin Knapp, Marcia Laurent, Norman and Martha MacGillivray, Robert and Jeannine McCullough, Randall and Shirley Palmer, and Dixie Patterson

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.

# The Common, but Distinctive Dudleya

By Dirk Walters, Ph.D.

The plant for this issue is *Dudleya lanceolata*. I do not know a common name for this plant other than Dudleya. Names such as "live-for-ever" and "hen and chicks" have been used, but they are general names for its family, Crassulaceae.

"Live-for-ever" refers to the long-lived evergreen leaves that most members of this family bear. "Hen and chicks" refers to the growth habit many members of this family have (*Dudleya* included). When an individual plant gets large (the "hen") it sends out short horizontal stems (rhizomes or stolons) which produce small plants ("chicks") at their ends. So the general appearance of the plant is a large central plant surrounded by a fair number of "baby" plants similar in appearance to a mother hen with her baby chicks in a barnyard.

*Dudleya* is one of the more distinctive and common plants in the Elfin Forest. It consists of several tight spirals of fleshy leaves attached to a very short or subterranean stem. This arrangement of leaves is called a basal rosette. The size and color of the leaves is highly variable depending on the state of growth and where the individual is growing. Leaves tend to be green and large when the plant is actively growing and/or occurring in relatively moist soils. Leaves become smaller and grayer when water is scarce. Because of the very low water retention properties of the sandy soil in the Elfin Forest, *Dudleya* leaves there have smallish gray leaves. They also tend to grow in the shade of larger shrubs, so look for them under the more obvious, taller shrubs.

The gray leaf color aids in reflecting a wider spectrum of light rays and thus keeps the leaf cooler and helps to conserve water. The higher the leaf temperature, the more water will evaporate from surfaces of cells and through the pores in the leaf (stomates). (This is why many desert shrubs look gray instead of green from a distance.) Photosynthesis, like essentially all biological chemical reactions, depends on enzymes which have a specific temperature range in which they can function. If the temperature falls below or climbs above this range, the enzymes upon which the reactions depend fail to function and the process stops.

*Dudleya* and a number of other plants with succulent leaves or stems have an additional trick to play in the game of conserving water. This has to do with changes to the process of photosynthesis itself. Here are the rules of the game. First, everyone probably knows that photosynthesis is the process that utilizes the energy from sunlight converted by chlorophyll into chemical energy to produce a carbohydrate ( $C_6H_{12}O_6$ ) by combining hydrogen from water ( $H_2O$ ) with carbon and oxygen from carbon dioxide ( $CO_2$ ). Most of the water comes from the soil via the roots and stem. The  $CO_2$  mostly comes from the atmosphere. In order for the plant to get sufficient  $CO_2$  into the leaf, the stomates have to be open. If the stomates are open, then the leaves are also losing significant amounts of water via evaporation through these same stomates (Biologists call evaporation from a plant transpiration.). Unfortunately, plants generally lose water faster than they can acquire  $CO_2$  through the stomates. How to solve this dilemma? Most plants must simply live with the problem. However, some succulent



plants have another option.

In order to explain this option, we have to look at photosynthesis in slightly more detail. Photosynthesis is not one continuous process, but really two quite distinct sets of reactions. These are interdependent, of course, but do occur in different parts of the chloroplast. For ease of understanding, we can use an analogy. We can compare the two sets of reactions to two separate assembly lines in a factory. The inputs to the lines are different and the products of the first assembly line are required as inputs to the second line. The second line produces the finished product, carbohydrate or food in this case.

The first line is called the light reactions and the second line is called the dark reactions. Simply stated, the light reactions or first line takes the raw ingredients, light energy and water and converts them into chemical energy (stored in the molecule called Adenosine triphosphate or ATP) and hydrogen ions. The waste product from this line is oxygen. The ATP provides the energy to run the dark reactions or second assembly line. In the dark reactions, the hydrogen ions are inserted into the  $CO_2$  molecule to form the carbohydrate.

In most plants, both lines run simultaneously and in the same cell. Therefore, whenever photosynthesis is occurring, stomates are open and water is being lost. This situation is okay as long as there is plenty of water in the soil. But what if water is present in a limited quantity? Then it would be nice to have the light line

*Dudleya* continued on page 7

## THIRD SATURDAY WALKS

**June 19 – 9:30 a.m.**

Tour the Elfin Forest's "plant neighborhoods" with biologist Steve Mueller. Learn how plants both compete with other species, yet are dependent on them as well. He will also talk about ways the Chumash used many of the plants for food, building and clothing materials, and medicine.

**July 17 – 9:30 a.m.\***

Learn the ancient history of the Elfin Forest from archaeologist Dr. John Parker, archaeological consultant and director of the San Luis Obispo Chinese artifact cataloging project. Dr. Parker will take us back in time to learn about the ancient inhabitants of the Elfin Forest and Central Coast. He will also use artifacts to demonstrate the culture and processes of the Chumash and earlier peoples.

\* A few strong-armed volunteers who can arrive at 9:15 to help carry the artifacts would be appreciated

**August 21 – 9:30 a.m.**

Join biologist Stephen Dreher for a walk and talk about habitat restoration. Steve has been surveying plants and collecting seeds from native plants in the Elfin Forest in order to plan and carry out restoration along the boardwalk route. He will also talk about the insects, invertebrates, birds and animals which depend upon the plants in the Elfin Forest for food and cover.

*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.*

*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) 528-4540 evenings.*



*Richard Palmer, managing editor of the Sun Bulletin, demonstrates a photographic technique during the May walk.*

## IN MEMORIAM

All who knew **VICTOR GRAZIER**, SWAP Life Member, were sad to learn of his death on February 13th, of a heart attack. Rose Bowker, past President of the Los Osos/Morro Bay Chapter, remembers him this way: "Victor called me up and asked if he could buy four SWAP t-shirts for \$1,000. He wanted to give them to his grandkids who were coming up for a visit. He was a nice man who paid attention to what was going on in the community. He could see the Elfin Forest from his home, and he often went for a walk in it with his dog which is why he supported SWAP's efforts." Victor's generosity, combined with that of many other community members, leaves a living legacy in the Elfin Forest.

In May, **PAT WALSH**, Cuesta photography instructor who conducted photography walks in the Elfin Forest as one of SWAP's 3rd Saturday Walk leaders, succumbed to cancer. Everyone who knew Pat respected and liked him; his goal was to bring out the best in student photographers, including those who attended his walks. We will miss him greatly.

## Dudleya *continued from page 6*

run during the day when light is available and some water can be obtained from the roots, and the dark line run at night when it is cooler and the humidity is higher. Under these conditions (dark) the stomates can be open so that CO<sub>2</sub> can enter, but water lost will be minimal due to the cooler temperatures and higher humidity found at night. However, the CO<sub>2</sub> must be stored until it can be used later. It is stored by having the dark line add it to a "holder" molecule which changes this holder molecule into a weak organic acid. The acid would harm the cell if it were not kept very dilute by all that water stored in the leaf cells. Thus the need for a succulent, water-filled leaf or stem.

I guess the moral to this story is that plants not only have adaptations to their environments that we can see, they also have interesting ones we can't see. Also, the more we learn about something, the more interesting its story becomes.

## Gifts ...

Thanks to Kathy and Jim Marrocco, SWAP members, who donated a copier to SWAP. Since the Los Osos/Morro Bay Chapter doesn't have an office, the copier will circulate among committees which have large amounts of copying to do.

Thanks also to Yolanda Waddell who saw an easel (to hold posters, maps or charts at meetings) at an auction and decided to buy it for SWAP.



## And Wishes ...

The Education Committee could use a Kodak carousel slide projector and a 4-foot screen, as well as a small light table for preparing and projecting its traveling slide program.

Make checks payable to SWAP,  
Mail to Small Wilderness Area Preservation,  
P.O. Box 6442, Los Osos, CA 93412 - 6442

**EVERY membership counts!!**

Have you renewed your membership on time?  
Check the label on this newsletter  
for your renewal due date.

- I want to help, please call me!
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### MEMBERSHIP FORM



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) 546-1199

Address Service Requested  
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Production and mailing costs for this newsletter  
 have been underwritten by a grant from  
 Pacific Gas and Electric Company.

## RENEW YOUR COMMITMENT TO THE ELFIN FOREST TODAY!

Forest.  
 abatement and other necessary projects in the Elfin  
 in a special fund to be used for revegetation, weed  
 our general fund, and anything above that is placed  
 The first \$12 of your donation (Member) goes into  
 and maintain the Elfin Forest for future generations.  
 You are an important partner in helping to preserve  
 expires so we don't have to send a reminder letter.

Please renew your membership BEFORE it  
 your check.  
 and send it to our ever-grateful Treasurer along with  
 To renew, fill in the membership form at the right  
 this newsletter for your RENEWAL DUE DATE.  
 Please check your address label on the front of  
 continuing support.  
 renewing members for your very important  
 Welcome to our new members and thank you to

## SWAP Membership Renewals Wanted!

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