

# Bay Area Carnivorous Plant Society Newsletter

Bay Area Carnivorous Plant Society  
825 Bennington Street, Manteca CA 95336

## Membership

Any person can become a member of the Bay Area Carnivorous Plant Society by paying a membership fee of \$5.00 US for each calendar year. Membership includes 4 issues of the BACPS newsletter along with other benefits. An extra \$5.00 US will be charged for non-US addresses to cover additional mailing expenses of the newsletter. Dues may be given to the society treasurer, Joe Mazrimas, at the meetings or mailed to the society address on the front cover. Make checks payable to BACPS.

## Officers and Organizers

|                  |                     |                |                   |                        |                |
|------------------|---------------------|----------------|-------------------|------------------------|----------------|
| President        | Mike Ross           | (707) 422-1993 | Auction Manager   | Glen Rankin            | (415) 325-1982 |
| Vice-President   | Joe Miller          | (510) 222-0247 | Auctioneer        | Peter D'Amato          | (707) 869-3641 |
| Secretary        | Stephanie Changaris |                | Raffle Manager    | Larry Logoteta (temp.) | (209) 823-6542 |
| Treasurer        | Joe Mazrimas        | (510) 373-1690 | Newsletter editor | Gary Dughi             | (530) 751-2996 |
| Business manager | Larry Logoteta      | (209) 823-6542 |                   |                        |                |

## President's Message

Mike Ross

I would like to thank all the new board members elected at the last meeting for their interest in supporting this club. One of the areas I am addressing as your new president is trying to keep most of the business type agenda out of the local meeting and concentrating it with board meetings held separately.

Another area of concern is the decrease of membership attendance. We are providing a survey in the Newsletter mailing and also intend to forward one via email to those with such addresses. Please answer honestly to help direct the club to your needs.

We have also taken steps to change the Newsletter format to be cheaper to produce and the resulting savings will allow a reduction in dues to \$5.00. Those of you who have already paid your \$10.00 dues, will receive credit for next year or a refund at a regular meeting from the Treasurer.

I would also like to encourage a resurgence of member profiles. Please give your input to Gary Dughi for

inclusion in our newsletter. He can accept them as email messages [Gary\_Dughi@dot.ca.gov]. Tell us about how you discovered the hobby of CP, your favorite plants and why, your personal growing tips and techniques you have discovered along the way. Bring the plant that is doing so well for you to a meeting and share it with the membership. Describe the growing media and conditions. This could help all of us in growing CP.

Finally, the theme for the March meeting will be "Art and Artifacts" pertaining to CP. Most of us have seen Audrey at California Carnivores...(The Coin gobbling monster!!!) Please bring any special non-living CP items: personal art drawings, china with CP, botanical illustrations, etc...

In keeping with the planned "theme" for the next meeting, your president will provide a presentation on Botanical Prints; their purpose, history, and how to find them. I am looking forward to our first meeting of 1999 and the future as we prepare for our sponsoring of ICPS World Conference 2000.

## Meeting Notes

November 21, 1998

The meeting was called to order at 12:50PM. Nominations were taken for various offices with the following elected and appointed.

|                   |                            |
|-------------------|----------------------------|
| President         | Mike Ross                  |
| Vice-President    | Joe Miller                 |
| Secretary         | Stephanie Changaris        |
| Treasurer         | Joe Mazrimas               |
| Auction Manager   | Glen Rankin                |
| Auctioneer        | Peter D'Amato              |
| Raffle Manager    | Larry Logotetta(temporary) |
| Newsletter editor | Gary Dughi                 |
| Business manager  | Larry Logoteta             |

It was decided by a vote to keep future meetings between Berkeley Botanical Gardens and Randall Museum. The next meeting will be at the Botanical garden and the May meeting at Randall since Geoff Wong brought up the museums interest in a joint meeting with their "Bug day". Response to dues for the 1998 year was 38% of the membership roster. Dues are now being taken for the 1999 year at \$10.00 [\$5.00 - see President's Message] per year. Bill Weaver made up a questionnaire to survey the members regarding the drop-off in membership in BACPS meetings. This form will be included in the next newsletter and will be available in our new web site. Bill Baumgartl and Barry Meyers-Rice will be publishing an article for the next CPN discussing clonal varieties in reference to how they are described and registered. Bill is taking suggestions on how *Nepenthes* should be judged within the genus with other genera coming later. Any suggestions on this subject will be welcome. You can send your comments to his e-mail address: [nepenthes@mindspring.com](mailto:nepenthes@mindspring.com).

Peter discussed differences between seed and vegetative cultivars. There is a urgent surge of activity to have all cultivars in the CP genera registered with official registration through the ICPS and published in CPN. An easy-form is being constructed to help anyone to do this and will be posted on several web sites. All authors of CPN articles or books are asked to register hybrid and other CPs mentioned in their publication if they are not registered. Peter was complaining he had dozens of these in his recent book. He is working on them.

New members: Bob Block, Roger Joyner, Jim Block, Ron Lopitas, Jerry Lax and Cheryl Elwood.

### ICPS 2000 meeting report:

Chuck Powell collected the following reports from people: Judith Finn and David Gray are looking into conference accommodations in the East Bay. A general announcement will be made in the March 1999 CPN. This will be followed up with registration materials and detailed housing information in the June issue. Volunteers are needed for publicity.

Peter is coordinating the post-conference field trip to Gasquet. A trial run will be made in May 1999. The plan is to drive up using car and van pools Monday and do the field trip on Tuesday and Wednesday. There are plenty of motels in Crescent City, a 20-minute ride away. We will provide all the information for participants to make their own reservations for campsites or motels. One evening can be a big picnic or dinner at a local restaurant. Afterwards, people can choose to see California Carnivores and/or visit private collections at open-houses.

## Special Notice

This will be the **last issue** of the Bay Area Carnivorous Plant Newsletter issued to those who have **not paid** dues for the year. Dues have been reduced from \$10.00 to \$5.00. Please send dues to the society address on the cover or to Joe Mazrimas at: 329 Helen Way Livermore, CA 94550. Make checks payable to BACPS.

Please fill out the confidential survey and bring to the next meeting or mail it to the society address.

## *Drosera anglica* Made Easy

Ivan Snyder

Here is the story of my relationship with a particular sundew species. You see, the plant and I have actually evolved symbiotically. In return for saving my blood from mosquitoes and helping me find peace-of-mind the plant is provided with living space and has been reproduced in inordinate numbers which have now spread quickly around the world to other host carnivorous plant growers. I say in the title "Made Easy" because this *Drosera anglica* has truly evolved in the sense that it has been bred to be a more easily grown sundew.

It all began not long ago with a most memorable trip through Northern California during the summer of 1997. My friend and fellow CP collector Ed Read and I had a trialsome hike and search for CP's starting from Lassen Volcanic National Park to Willow Lake just outside the park boundary. On that one wonderful forested trail we saw awesome volcanics such as boiling springs, mudpots, and fumaroles in addition to CP's. As a living souvenir of this trip to that fantastic CP habitat of the floating bogland around the edge of Willow Lake, I brought home this cute sundew, *D. anglica*. This was the first time we had seen, in nature, *D. anglica*, which is very rare in California though elsewhere is common and plentiful. It was saddening to read in Hawkeye Rondeau's book of CP's of California that the once largest population area for the species in this state was destroyed with the making of Lake Almanor. This was one more reason to see this sundew for myself.

I was able to grow the plant I collected through the year until it made a hibernaculum and went dormant. I got seed from that same plant when I collected it but was unable to get it to germinate even through stratifying. Growing a plant from seed is important to me, and I lose interest in plants that I cannot grow from seed. So, this is when I devised a plan to modify my precious living souvenir into an easier grower.

I got the tropical form of *D. anglica* from Hawaii that was available from the ICPS seed bank. This tropical form, though smaller than my Californian, has no dormancy requirement and its seed germinates easily. I had an idea that if I cross-pollinated the two forms I could combine the best traits of both forms into one fine plant. The California form I found required at least two months of dormancy and must make a well-developed large hibernaculum before it will flower. After growing the plant under lights with a 17 hour photoperiod for awhile, I put it in a windowsill around the beginning of November to stimulate dormancy. After it had made a good dormant bud I bagged the plant and put it in the fridge. *D. anglica* grows extremely fast when it comes out of dormancy and flowers after growing only a short period. When I had both forms flowering at the same time I removed the

stamens from the flower of the Californian the day before the flower opened to be certain the flower would not self-pollinate. I reasoned that if I used pollen from the Hawaiian on the Californian flower, maybe I could get the seed taken from the Californian to germinate better. This was in fact true; the seed began germinating in 16 days - the same as for the Hawaiian. So, for those of you who might repeat this experiment yourself, you need not castrate the flower. Just rub the flowers together and sow the seed from the California form. Only the seed that is a result of cross-pollination will germinate easily.

I raised ten plants from the first generation. Seed sprouts very well on the regular peat and sand mix. I found that plants grew largest when transplanted to long fiber sphagnum moss. All but one plant began flowering after only about three months growing and continued to increase in size after the first flowering. Here is another little scientific fact I discovered in raising the first generation: both size and dormancy are not simple Mendelian traits of dominants and recessives. The specimen I like best has leaves to about 10 centimeters tall and flowers freely. This plant was selected for producing the second generation, which I have raised and will now select from again for the same traits. One of the ten I raised grew largest since no energy was spent in flowering. This one plant makes a hibernaculum and is most like the Californian parent, and I think will only flower after coming out of dormancy next season.

Unlike most sundew hybrids this intraspecific hybrid is as fertile as its parents and makes a good amount of seed. My feelings are that *D. anglica* can be a very attractive and easily grown sundew. Now that I have this outstanding native Californian plant which I, myself collected, I have pledged to never again grow the similar appearing though more commonly grown South African *D. capensis*. According to my philosophy it is dutiful to growers that they should grow at least some of the species which are native to their home area and make these available to other growers from different places.

The things I have learned here from growing and breeding *D. anglica* can be applied to improvement of other species as well. Another North American that I think would be a good candidate for breeding would be *D. intermedia* since there are both temperate and tropical forms of varying size. Also, I once grew a form of *D. intermedia* from Cuba which gave off a pleasant floral fragrance from its tentacle glands; another nice trait to add to someone's special plant. I am sure there are far more possibilities that have not occurred to me. That reminds me, has anyone really ever seen a pink flowering *D. anglica*?

## Treasurer's Report

Joe Mazrimas

| (as of 11-21-98)          | INCOME    | DEBIT    |
|---------------------------|-----------|----------|
| Dues                      | \$230.00  |          |
| Silent auction            | \$7.00    |          |
| Donations                 | \$100.00  |          |
| Sellers                   | \$95.00   |          |
| Auction                   | \$14.00   |          |
| Raffle                    | \$29.00   |          |
| TOTAL                     | \$475.00  |          |
|                           |           |          |
| Randall Museum            |           | \$50.00  |
| Newsletter(200 copies)    |           | \$84.73  |
| postage                   |           | \$52.51  |
| mailing labels            |           | \$5.38   |
| Book of stamps            |           | \$6.40   |
| TOTAL                     |           | \$199.02 |
|                           |           |          |
| Current Balance           | \$275.98  |          |
| Previous balance(8-15-98) | \$790.91  |          |
| sub-total                 | \$1066.89 |          |
|                           |           |          |
| Berkeley CP fund(8-15-98) | \$1427.50 |          |
| Total Balance             | \$2494.39 |          |

### Next Newsletter Deadline

Please send in your articles, biographies, introductions, growing tips, trip reports, or photos! Announcements, calendar items, want ads, and articles for the next Newsletter must be received in writing by four weeks prior to the next meeting. Send information to the society's address on the cover. Better yet, send a text file on a 3.5 inch floppy disk or e-mail contributions to Gary Dughi at Gary\_Dughi@dot.ca.gov. Scanned images may also be sent to this address.

### Announcements

**Photos for newsletter.** We would love to publish your carnivorous plant photographs in the newsletter. Please send prints to the society address on the front cover with any description or article about the photograph. Let us know if you would like the photo returned. Scanned images may be sent to Gary Dughi, newsletter editor, at Gary\_Dughi@dot.ca.gov.

**Bring Plants to display** at the next meeting. There is no judging; so don't worry about having the best or biggest plant. The meeting hall has plenty of room for display. If you have something extra; bring that along for the auction, raffle, or to trade. We can always use items for the raffle!

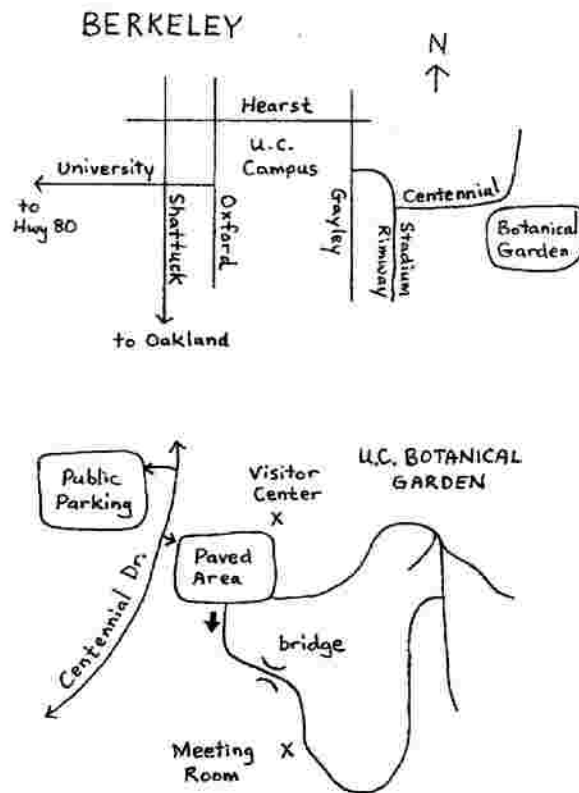
**Computer CP Mailing List.** There is a computer mailing list specifically for carnivorous plant discussions. To participate, you need to be able to send electronic mail from a personal computer. To subscribe, either send the single-line message: "SUB CP Richard Nixon" to the internet address: "LISTSERV@CUTTER.HPL.HP.COM", or contact the list manager, Rick Walker, at "WALKER@OPUS.HPL.HP.COM". Remember to substitute your own given name for "Richard Nixon" in the example above! There is also a CP World-Wide-Web Database at "http://www.hpl.hp.com/bot/cp\_home" or "http://192.6.19.66/bot/cp\_home". For more information, you can also contact Rick Walker at (415) 856-2354 Home or (415) 857-3754 Work.

## Bay Area CP Events Calendar

- March 13, 1999 **BACPS Meeting.**  
Berkeley Botanical Garden, Berkeley
- May 1999 **BACPS Meeting,**  
Randall Junior Museum, San Francisco  
(specific date to be announced)
- August 28, 1999 **BACPS Meeting.**  
Berkeley Botanical Garden, Berkeley

Meetings starts at noon and end around 4:00PM.

### Map to the Next Meeting



Parking lot fee for the U.C. Berkeley gardens is 50 cents per hour. Garden admission is \$3.00 per adult, and \$1.00 per child.

Once in the gardens; walk down the paved road to the meeting hall.