

Fall 1998

Volume 7, Number 4

*Bay Area
Carnivorous Plant
Society
Newsletter*



Bay Area Carnivorous Plant Society
39011 Applegate Terrace
Fremont, California 94536

Officers and Organizers

President	Larry Logoteta (209) 823-6542
Vice President	Mike Ross (707) 422-1993
Secretary	Cindy Slezak (415) 673-0953
Treasurer	Joe Mazrimas (510) 373-1690
BACPS membership	Carl Wong (510) 796-9654
Newsletter Editor	Gary Dughi (510) 658-6805
Auction Managers	Glen Rankin (415) 325-1982
Auctioneer	Peter D'Amato (707) 869-3641
Raffle Manager	Aaron Haiman (510) 523-5091

Bay Area CP Events Calendar

November 21, 1998* **BACPS Meeting**, Randall Junior Museum,
San Francisco

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

*Meeting date has changed from November 14, 1998 as stated in previous newsletters.

Note: Meeting dates for 1999 have not been confirmed as yet. Look for these dates in the next issue or check the BACPS web page: www.jps.net/cgardner/bacps/bacps.html.

Membership

Any person can become a member of the Bay Area Carnivorous Plant Society by paying a membership fee of \$10.00 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.

Photo/Illustration Credits

Cover photo: *Darlingtonia californica* near Gasquet, CA. Photograph by BACPS member Gary Dughi

Watering Tube article illustration: Article author Debra Blanke

President's Message

Larry Logoteta

We did not have a guest speaker for the BACPS meeting at the Berkeley meeting. The speaker was your president along with Joe Mazrimas and they gave a short talk on Willow Lake in Plumas county. It's election time once again to elect the 1999 officers for President, Vice President and Secretary as well as other positions within the club. Dues for next year will be due in 1999. However, the treasurer is now set up to accept 1999 dues anytime. Make sure that you make your payment to Joe Mazrimas.

The BACPS voted on having the International Carnivorous Plant Society conference, which is to be held in the year 2000. The results of a special group meeting in October will be retold at the November meeting so we can discuss the details of the plans for the conference. Remember, we need plants for our raffle. We also need articles and pictures for our newsletter.

Willow Lake

Larry Logoteta

Willow Lake is found out of Chester, California, settled in the Sierra Nevada Mountains in a National Forest area. There are all three native *Drosera* there: *Drosera rotundifolia*, *D. anglica* and *D. x obovata*, the hybrid between these two parents. The bog is what they call a floating bog with *D. rotundifolia* found on the drier shore end towards the east side of the bog. The *D. anglica* are near the lake side edge of the bog where there is lots of water. The *D. x obovata* are in the center part of the bog. It's interesting that the blades on the *D. anglica* were up to 2 inches long!

The road is a rough dirt road which is very dusty and with deep ruts due to logging trucks conducting a logging operation. There are camp grounds at the lake end of the road. The bog is across the camp ground and to reach the bog there are some logs to cross. Once you get on to the bog area the rewards are great - with lots of plants to look at or photograph. You can also fish at Willow lake since there is trout and small bass lurking in the lake. If you happen to own a small canoe or raft like boat there are plants across the lake in another quaking bog. In the lake there is also *Utricularia ochroleuca* which is a rare species in California. Joining them are *U. intermedia* and *U. macrorhiza*.

Meeting Notes

August 15, 1998

About 30 members signed in at this meeting held at the Berkeley Botanical Garden meeting room.

There was discussion of attendance at the meetings which has fallen off to about half of what it was years before. Suggestions were made about the timing of the meetings and that summer may be a poor time to have them because of vacations. It was decided that we needed more information from the members so a survey of the membership will be taken in one of the next newsletters. It will ask for what factors are important to having an increased attendance at the meetings. Factors considered were: location, scheduling, program and speaker, and availability of plants for auction, trading and sale. Field trips to Butterfly Valley, Gasquet and California Carnivores were suggested after the meeting.

BACPS has a web site thanks to Craig Gardner who constructed it. At the present time it features our logo and dates for the next meetings and locations. To reach it: www.jps.net/cgardner/bacps/bacps.html

The above survey may appear on this web site since it would reach a lot of past members.

New members were introduced:

Art Junier from Aptos

Julie Dobson - who works in this Bot Garden

Jeanne Park - raises cp in terrariums

Mike Wang with Andrew Lai.

Mike Ross talked about the ICPS meeting in Bonn, Germany. There was a lot of discussion about having the next one in the Bay Area or on the West Coast. Judith mentioned the Clark Kerr conference center near the campus as a good site for the meeting. Chuck Powell offered to help out with his experience in holding frog conventions. Chuck also offered his church hall. A site in UC Davis was also suggested. About a dozen members volunteered to get this program started. Mike and Chuck held a meeting for a preliminary program. A special meeting on this subject will be held October in Berkeley. A tentative date for the ICPS conference was set for May 19-21 in the year 2000.

Program:

Larry Logoteta talked about a trip he and Joe Mazrimas made to Butterfly Valley and Willow Lake. Larry said he or Joe would make

directions available to anybody that wants to go. Willow Lake is the site of a quaking bog. The following species of *Drosera* were seen: *D. anglica*, *D. x obovata* and *D. rotundifolia*. There are also *Utricularia*, such as *U. intermedia*, *U. minor* and *U. ochroleuca*. Best time to view the plants is in August. It was very wet and rubber boots or old tennis shoes are required. Butterfly valley has a huge field of *Darlingtonia* and huge *Drosera rotundifolia*.

Display plants:

Display plants were brought in and shown by members; including a giant *Cephalotus*, Mexican *Pinguicula heterophylla*, huge Mexican pinguiculas in bloom and Venus flytrap from tissue culture. A *Nepenthes* hybrid with beautiful pitchers was shown by Peter D'Amato.

A silent auction was held and there was no regular auction during this meeting.

Watering Tube

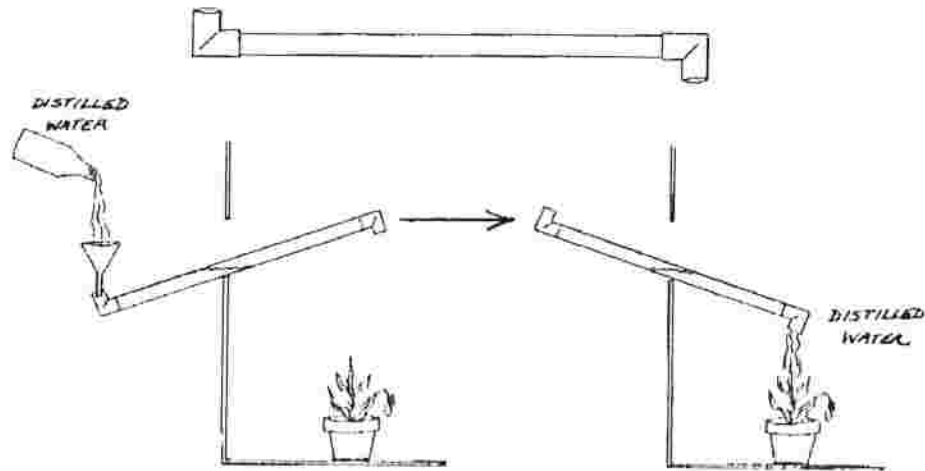
Debra Blanke

If you have an enclosed plant set-up (similar to my indoor mini-greenhouse) accessible only from the front of the unit, and you find yourself literally plowing through some plants in order to water other plants, then you may be interested in a simple device which can accomplish all of this MINUS the plant trauma.

My husband took a two foot piece of PVC pipe and fitted each end with a PVC elbow. If you position the tube horizontally in front of you, the elbow at one end is pointing up. The elbow at the other end should be pointing down. These elbows were permanently affixed to the pipe with PVC cement.

Naturally, because this device is so primitive, it will take some practice and skill to use it effectively. Insert the down-pointing elbow end through a vent (above the top level of your plants) or the front access opening to the unit. Tilt YOUR end (up-pointing elbow, external to the enclosure) DOWN to fill with water - use a funnel to reduce spillage. Start to level out the position of your tube, then tilt the far end downward to the plant you wish to water. Gravity will cause the water to flow down the tube to your target

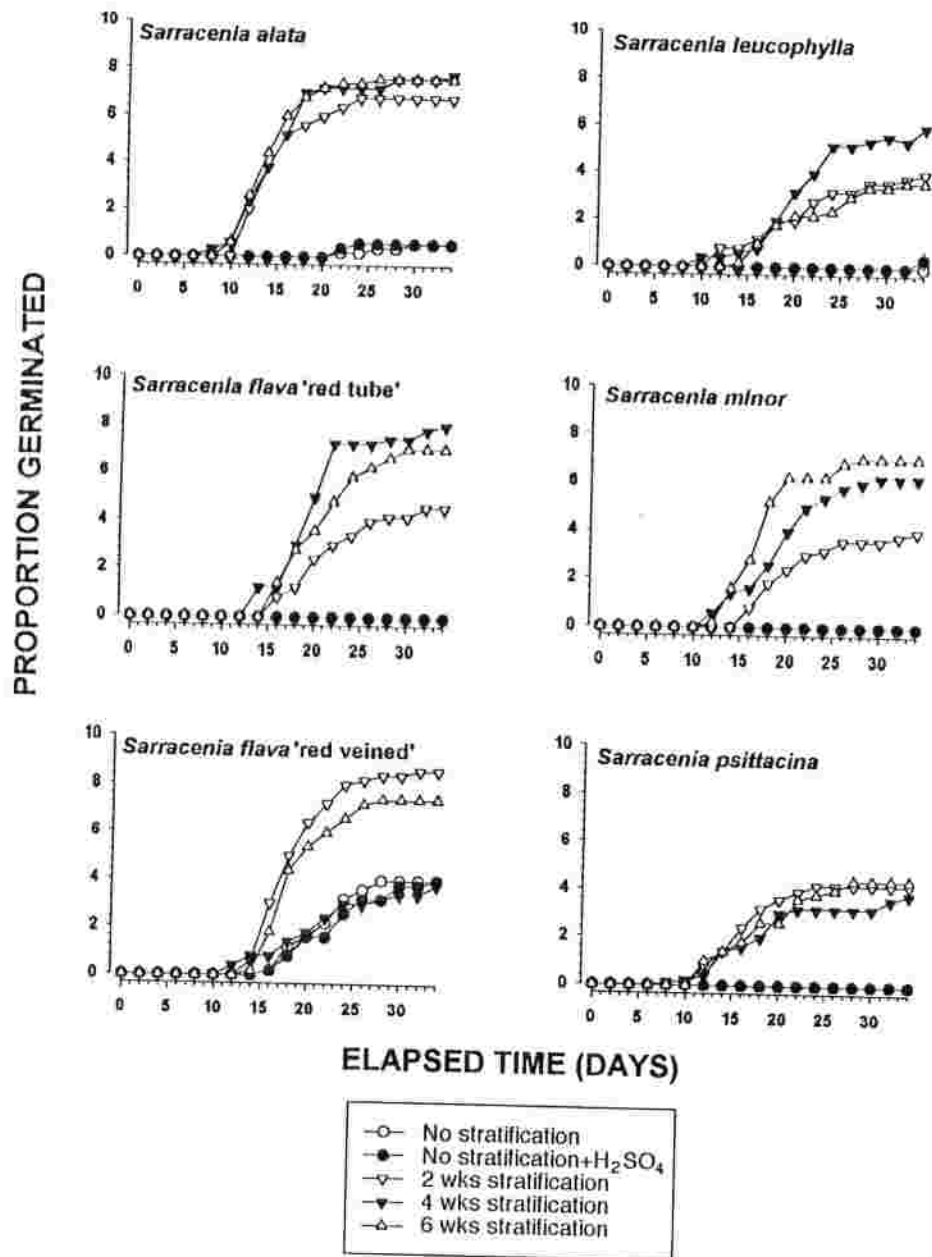
plant. For greater stability, you could mount a special little sling for your tube through the watering vent; this would hold the tube in proper position while you lift, lower, or swing it to where you need it. The whole thing sort of reminds me of a gunner's turret.



As of yet, I have not been able to find a watering can with a spout long enough, or requiring such a small angle of tilt, to get the job done. And yes, I would very much like to set up an indoor watering system whereby I could just point a small spray nozzle at a particular plant and water it with a reasonably-sized, low-pressure stream of distilled water. Until then, this does the job without damaging my plants.

Germination of *Sarracenia* Seeds

Aaron M. Ellison, Associate Professor
 Department of Biological Sciences
 Mount Holyoke College
 50 College Street, South Hadley, MA 01075-6418, USA



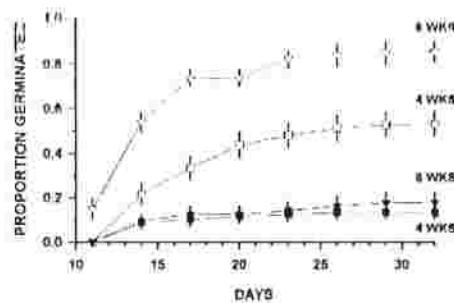
This figure illustrates results of a greenhouse experiment conducted in 1998 by Aaron Ellison & Jerelyn Parker. We examined the germination

rates of five species of pitcher plants in the genus *Sarracenia*. Seeds of *S. alata* and *S. psittacina* were collected by Stephen Brewer from wild plants growing in Mississippi, while the other species were collected by David Mellard from wild plants growing in South Carolina (*S. minor*) and Florida (remaining species).

Seeds were germinated in 10 cm diameter petri dishes on a greenhouse bench. Air temperature was kept at 25 °C, and photoperiod was 14 hr. We applied five treatments to seeds prior to placing them in the greenhouse: 6 weeks cold (4 °C), moist stratification; 4 weeks cold, moist stratification; 2 weeks cold, moist stratification; no stratification; no stratification + scarification in concentrated sulfuric acid.

In general, for these southern species, 2-4 weeks stratification was adequate for successful germination. Little gain in germination was found using 6 weeks stratification. In contrast, germination of the northern pitcher plant, *Sarracenia purpurea*, was greatest following 6 weeks of stratification.

Seed germination of the northern pitcher plant, *Sarracenia purpurea*



This figure illustrates germination trajectories of seeds of *Sarracenia purpurea*, collected by Sybil Gotsch from Hawley Bog, Massachusetts. Open symbols are seeds germinated in the light (14 hr photoperiod), while closed symbols are seeds placed in the dark. Seeds were moist stratified for either four or

six weeks at 4 °C prior to germination experiments. All experiments were conducted in 10 cm diameter petri dishes, placed on greenhouse benches at 25 °C air temperature. Overall, germination success in the light following 6 weeks stratification was greater than 85%.

These data are published in: Gotsch, S. G. & A. M. Ellison (1998) Seed germination of the northern pitcher plant, *Sarracenia purpurea*. *Northeastern Naturalist* 5(2): 175-182.

The two preceding articles are reproduced, with permission, from the world wide web sites: <http://www.mtholyoke.edu/~aellison/sgerm1.html>
<http://www.mtholyoke.edu/~aellison/sgerm2.html>

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.

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 December 31, 1998. 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.

Treasurer's Report

Joe Mazrimas

(as of 6-7-97)	INCOME	DEBIT
Dues	\$40.00	
Silent Auction	<u>\$24.00</u>	
TOTAL	\$64.00	
NEWSLETTER		
Xerox fee (200 copies)		\$81.51
Postage		<u>\$51.78</u>
TOTAL		\$133.29
Current Balance	-\$69.29	
Previous Balance (3-8-97)	<u>\$860.20</u>	
Sub-total	\$790.91	
Berkeley CP Fund (8-24-96)	<u>\$1,427.50</u>	
Total Balance	\$2,218.41	

We don't inherit the land from our ancestors, rather we borrow it from our grandchildren.

- Native American proverb

Map to the Next Meeting



Directions to the Randall Museum

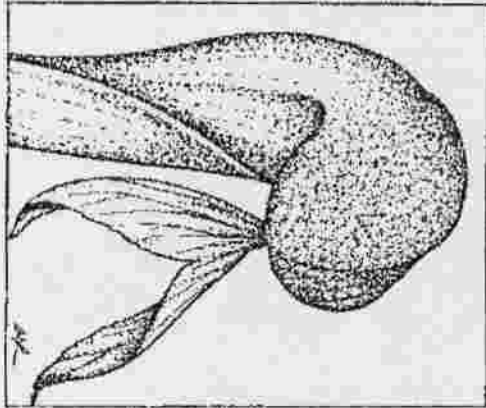
From the Bay Bridge or the Peninsula, take Highway 101. Follow the signs to Mission St. and get off at the Mission/Duboce exit. Stay on Duboce Ave., which runs into Market St. Turn left onto Market St. Immediately after the Safeway store, make a 45 degree right turn onto 14th St. One block after crossing Castro, the main road veers left and becomes Roosevelt. Continue 1/4 mile and turn left onto Museum Way.

The Randall Museum is located at 199 Museum Way. Telephone (415) 554-9600. There is plenty of free parking.

Notice of August meeting date change

Please note that the November meeting date has changed from November 14, 1998, as stated in previous newsletter, to November 21, 1998.

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Address Correction Requested

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