



Overall view of bog with Climatron plantings and dome in background.



View of part of bog with *Sarracenia* sps.

CP SHOW AT THE MISSISSIPPI BOTANICAL GARDEN ALL PHOTOS SUPPLIED BY MISSISSIPPI BOTANICAL GARDEN



View of part of bog with plexiglass dome in background displaying unusual or smaller CP.



View of part of bog with *Sarracenia* sps. and *Drosera* sps. visible.

RI BOTANICAL GARDEN

BOTANICAL GARDEN, ST. LOUIS



Close-up view of part of bog.

land Landing. He reported *Drosera linearis* as growing here. In 1976, this site was rediscovered, but *D. anglica* was nowhere to be found. Another rare plant is gone.

MISSOURI BOTANICAL GARDEN'S
FIRST ANNUAL
CARNIVOROUS PLANT EXHIBIT

by Marilyn Maupin
Staff horticulturist and
curator of CP

Toth, R. and D. Toth. 1980. Cytochemical localization of acid phosphatase in the nematode-trapping fungus *Arthrobotrys oligospora*. *Mycologica* 72: 813-817.

The function of lysosomes intracellularly in digestive processes is well-known, and the commonly associated acid phosphatase enzymes in these organelles was selected as an indicator of lysosomal activity. Acid phosphatase was virtually absent prior to prey capture, increased subsequent to capture, and then appeared in the nematode body gradually. This points toward active digestion rather than autolysis of the captured prey.

Missouri Botanical Garden in St. Louis held its first carnivorous plant exhibit in the Climatron April 25 to May 17. It was very well attended by curious visitors, many of whom previously had no idea that there are so many different kinds of CP.

The main feature of the exhibit was a simulated bog environment. We used a free-form fiberglass pool, 7' x 13' at its maximum points, and elevated it on a platform for easier viewing. Long-fiber sphagnum moss was used inside the pool as a filler between the potted carnivorous plants. Sheet moss that had been sprayed with a waterproof green florists' dye was used over the top of the bog to hide the

Please see **EXHIBIT** on p. 111.



Nepenthes display at Missouri Botanical Garden CP Show. Photo supplied by MBG.

WANT ADS

When submitting Want Ads, please be sure to print clearly for best results and to eliminate mistakes. Please circle the correct letter before each item (Want, Trade, Sell or Buy). Want ads are limited to carnivorous plants, terrariums, greenhouses and moss. There is a charge of ten cents per item, with no limit to the number of items you may submit per issue.

Send coin or check to:
Arboretum, Want Ads
California State University
Fullerton, CA 92634

Jim Comia (18701 San Rufino Dr.; Irvine, CA 92715) (B) *Cephalotus*, *Drosera binata*, *Pinguicula caudata*, *P. mexicana*, and *Sarracenia leucophylla*.

Mark Forster (c/o Buckley Hutten; 167 Collins St.; Melbourne Vic 3000; Australia) (WB) mature plants of *Darlingtonia californica*, *Sarracenia* sp. & hybrids, *Drosera regia* seed, (Plants sphagnum grown). (T) seed of *D. pelata* & *auriculata* for Mexican *Pinguicula* seed.

Ron Gagliardo (1216 Cooper Dr.; Raleigh, NC 27607) (WTB) *Heliamphora tatei*, *nutans*, *minor*, etc. tuberous *Drosera*, *Byblis gigantea* seed, *Genlisea* sps., temperate pinguiculas, *Sarracenia* hybrids, large *Darlingtonia*, *Nepenthes wittei*, dried *Nepenthes* pitchers.

Jeff Grothaus (1265 Iliff Ave.; Cincinnati, OH 45205) (TS) *N. gracillima* cuttings.

Steve Smith (Rd. #1, Box 2976; Kirkwood, N.Y. 13795) (T) Small division *Heliamphora heterodoxa* to trade ONLY for *H. minor*, *nutans* or any other *Heliamphora*. (S) *N. gracilis* \$7.50 each, 2 for \$12.00.

Phillip van de Velde (829 Main St.; Kangaroo Point, Brisbane; Qld 4169; Australia). (BT) any seeds of the following: *Nepenthes*, *Heliamphora*, *Pinguicula*, *Sarracenia* hybrids, *Drosera anglica*, *D. linearis*, *D. regia*, *D. cistiflora*, *D. brevifolia*, *D. trinervia*, *D. villosa*, *D. affinis*, *D. andicola*, *D. pauciflora* and *D. flexicaulis*.

West Australian Carnivores (P. O. Box 62; Vinton, VA 24012) (S) *Byblis gigantea*, *Cephalotus follicularis*, *Utricularia menziesii*, *Polympopholix multifida*, assorted tuberous droseras. Price list 50¢ USA only.

EXHIBIT continued from p. 109.

pots and to give the appearance of live moss. Many of the potted *sarracenia*s also had live sphagnum growing in them which added bright green touches to the bog. Thirty-seven different species and hybrids were used in the bog for a total of 110 pots of CP.

Additional features in the show included two plexiglass domes which displayed some of our more unusual or smaller CP. We also had a small *Nepenthes* display next to the waterfall in the Climatron. In addition, located near the bog display was a sample CP terrarium showing people how a finished terrarium may look and a brochure describing the procedure in planting one. Several panels of educational material were on display also, to tell people more about the plants and how they trap and digest insects. Another brochure describing CP trap types and home culture was also available.

In all, there were forty-seven different species and hybrids belonging to nine genera in Missouri Botanical Garden's first carnivorous exhibit. Next year we hope to have an even bigger and better display.



Utricularia purpurea

Drawing by Ron Fleming