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WORLD LIST OF CARNIVOROUS PLANTS - An updated list with synonymy and native areas mentioned. While based broadly on Index Kewensis, many references and experts were consulted during the task of preparing this worldwide listing.

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KEY TO NORTH AMERICAN UTRICULARIAS by Katsu Kondo - This is the first modern key to this complex group that can be used objectively and that deals in above the ground or above the water structures, mainly flower characters. All other keys suffer from incompleteness, gross errors, and dependence on rather subjective determinations. Illustrated, with additional commentary by Peter Taylor. --50¢ postpaid surface, \$1.00 air overseas--

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CARNIVOROUS PLANTS by Randy Schwartz - The latest commercially published book on the subject. List price is \$6.95, available to CPN subscribers at a savings through the efforts of Randy. Surface mail only, \$5.50 ppd. U.S., Canada; \$5.75 overseas. (ON THIS OFFER ONLY, PLEASE HAVE ALL ORDERS IN TO JOE MAZRIMAS BY FEBRUARY 15.)

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RECENT LITERATURE

- Bussy, J.: A locality of Drosera anglica Huds. on calcareous tufa with basic pH. Bull. Mens. Soc. Linn. Lyon 43 (1): 8, 1974. IN FRENCH
A locality in France with a basic substrate was found to support the growth of D. anglica.
- Ciobanu, L.R. and Tacina, F.L.: The ultrastructure of the digestive glands in Drosera capensis L. Rev. Roum. Biol. Ser. Bot. 18 (5): 249-253 1973 IN FRENCH
In young secretory cells of Drosera capensis, cellular organelles were found that have a high stage of development. This indicates that these cellular organelles are involved in the process of secretion. The Golgi apparatus and endoplasmic reticulum and mitochondria were the organelles studied.
- Kondo, K., Kondo, M., and Bogner, J.: Two new sundew introductions for growers of carnivorous plants. American Horticulturist Vol. 53 (4): 16-19 1974
This is an introduction to cultivated Drosera adela and D. dichrosepala with three fine pictures.
- Kondrat'ev, G.K.: Pollen of new Aldrovanda species from the Eocene period in the Angara River basin. Bot. Zh. 58 (6): 878-879 1973 IN RUSSIAN
Spores and pollen of two new species, Aldrovanda kuprianoviae and unica were found in the Angara River basin in Russia and are from the Eocene period.
- Kupriyanova, L.A.: Morphological studies of Drosera pollen. Bot. Zh. 58 (8): 1155-1157 1973 IN RUSSIAN
An electromicroscopic study of pollen morphology of D. rotundifolia and D. anglica established the proximal position of the apertures rarely found in pollen of angiosperms.
- Kurata, S. and Toyoshima, M.: Philippine species of Nepenthes. Gardens Bulletin Singapore. 26 (1): 155-158, 1972.
Ten taxa of Nepenthes were reported from the Philippines. Among them one species and three hybrids were described as new. Nepenthes globamphora described as a new species is a synonym and should be clearly placed in N. bellii according to the rules of International Botanical Nomenclature.
- Kurata, Shigeo: Nepenthes from Borneo, Singapore and Sumatra. Gardens Bull. 26 (II): 227-232. 1973.
This paper is a summary of the author's trip to Indonesia in which he describes thirteen species, two of these new: N. campanulata and N. rhombicaulis.

Moser, Don: Big thicket of Texas. National Geographic, October, 1974.

In this general regional article, the author mentions and pictures Sarracenia alata and also says there are three other genera in the area. (Ed. Note--probably Utricularia ssp., Pinguicula pumila, Drosera brevifolia and D. capillaris.)

Newman, G.H.: Cultivation and propagation of insectivorous plants. New England Wild Flower Notes, Spring, 1974. (New England Wild Flower Preservation Society, Inc., Hemenway Road, Framingham, Mass. 01701)

The author details his experiences with growing and propagating several U.S. species of CP under lights, including exact soil compositions and arrangements of terraria.

Schnell, D.E.: More about the sunshine pitchers. NYBG Garden Journal, 24 (5): 146-147, 1974.

This article complements the one by Kondo, Kondo and Bogner four issues previous (See CPN III: 18, 30, 1974) in the NYBG Garden Journal, and updates the information by relating the present author's experience with successfully propagating H. heterodoxa by seed obtained in culture. Four photos by the author accompany the article.

Schnell, D.E.: Venus' Flytrap. Plants Alive. 2:20-22, 1974.

A popular account in a magazine for greenhouse hobbyists.

Schwartz, Randall: Carnivorous Plants. Praeger Publishers, Inc., 111 Fourth Avenue, New York, New York 10003, 1974. 128 pages. \$6.95

This is the second U.S. book to appear on the market in several months about CP. (See Vol. III, No. 3, 1974) The author provides detailed instructions on how to grow, feed, and care for more than forty species of these plants ranging from Byblis to Utricularia. The book is full of many black and white, full page closeups of various pitchers, flowers and plants. A separate chapter discusses the myths and folklore surrounding the plants throughout history. Finally, in the last few pages in the book he lists the places where plants can be purchased and names and addresses where they can be viewed on display.

Tokes, Z.A., Woon, W.C., and Chambers, S.M.: Digestive enzyme secreted by the carnivorous plant Nepenthes macfarlanei. Planta 119: 39-46 (1974)

At least two protease are present in the secretion of the pitchers of Nepenthes macfarlanei, a major one with an estimated molecular weight 59000 and a minor one of 21000. The specificity of the major enzyme, nepenthesin, was broader than previously reported, and strikingly similar to that of pepsin. Lipase activity was also demonstrated, while no amylase activity was present.

SUBSCRIBER LIST

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