

Literature Review

Casper, S.J., On *Pinguicula lignicola*, an epiphytic heterophyllic member of the *Lentibulariaceae* in Cuba. *Plant Syst. Evol.* 155(1-4): 349-354 1987.

The author describes some new morphological features and a detailed description of the heteromorphic habit of the epiphytic species, *P. lignicola* and its relationship to *P. casabitoana* from Espanola.

Cheek, M.R. 1987. A new species of *Drosera* from South Africa. *Kew Bulletin* 42(3): 738. *Drosera slackii*, named after Adrian Slack, is herein described. The species somewhat resemble *D. cuneifolia* but is distinct in leaf and flower characteristics. The plant was discovered somewhat serendipitously when sent to Slack from a source in South Africa and listed by him in his Marston Exotics catalog as "D. sp. 'Highland Red'". The range is somewhat limited but it is locally abundant along stream margins at 500-700 m within 1 mile of the sea in Cape Province.

Outenreath, R.L. & M. Dauwalder, Ultrastructural and radioautographic studies of the digestive glands cells of *Drosera capensis*: II. Changes induced by stimulation. *J. Ultrastruct. Mol. Struct. Res.* 95(1-3): 164-174 1986

When stimulated, the digestive gland cells change in cell wall morphology, and secretory activity increases dramatically. Using a form of radioactive sugar called galactose, there is a selective activation of a specific population of cells in the digestive gland with the Golgi apparatus primarily involved in this activation.

Stauffer, R.T., Cytochemical tests of acid phosphatase secretion by carnivorous plants. *Proc. Rochester Acad. Sci.* 15(3): 181-185. 1985.

Using an azo dye biochemical test for acid and alkaline phosphatase, the author showed that heavy staining occurred in gland cells and in some interior dorsal epidermal cells. Positive results for acid phosphatase were demonstrated in *Sarracenia purpurea*, *flava* and *Utricularia cornuta*, *minor* and *vulgaris*.

Strid, A., New species of *Beaufortia* and *Chamaelaucium*, *Drosera* and *Pultenaea* from SW. Australia. *Plant Syst. Evol.* 155(1-4): 339-348 1987.

The author describes a new species of *Drosera*, *D. rechingeri* from collections taken from SW. Australia.

Want Ad

Chas. Powell (2138 Harrison St., Santa Clara, CA 95050) (Trade or sell) Rooted cuttings: *Nepenthes alata*, *N. ventrata*, and various hybrids (in short supply) \$10 ea; *Drosera capensis* \$2.50 ea; *Sarracenia leucophylla*, *S. alata* \$4 ea; large *Darlingtonia californica* (limited supply) \$15 ea; *Pinguicula* x *Weser* large \$5, small \$3 ea; *P. esseriana* \$3 ea; other *Pinguicula* in limited numbers, write for list. (Want, Trade or Buy) *Drosera affinis*, *D. esmeraldae*, *D. felix*, *D. insolita*, *D. panamensis*, *D. pilosa*, any *Genlisea*, *Pinguicula crenatiloba*, *P. cyclosecta*, *P. lilacina*, *P. ramosa*, *Utricularia endresii*, *U. erectiflora*, *U. jemesoniana*, *U. nelumbifolia*, *U. spiralis*, *U. volubilis*, *Nepenthes bellii*, *N. clipeata*, *N. leptochila*, *N. pilosa*, *N. tentaculata*.