

BIBLIOGRAPHY OF THE SCIENTIFIC WORK OF LEON CROIZAT, 1932-1982

By Michael Heads

E. L. Hellaby Indigenous Grassland Research Fellow, Department of Botany, University of Otago, Box 56, Dunedin, New Zealand.

and Robin C. Craw

Zoology Department, Victoria University of Wellington, New Zealand.*

INTRODUCTION

Biologists only familiar with Croizat's well known books such as *Manual of Phytogeography* (1952), *Panbiogeography* (1958), and *Space, Time, Form* (1964) will be surprised at the extent of Croizat's scientific work as illustrated by this first attempt at a bibliography. This is an interim report, and we have no doubt that many items are yet to be located. Hopefully, workers with direct access to the comprehensive library holdings of the United States and Europe will be able to remedy the defects in our listing, and fill the gaps that must exist.

Croizat is best known for his conceptual and methodological work in the field of biogeography. That his studies in this area were founded on a solid empirical data base involving detailed and original systematic work on a variety of angiospermous families seems to have been little appreciated by his numerous critics. Many of these early studies were crucial to the development of Croizat's panbiogeographic methodology and synthesis, as he himself (e.g. *Principia Botanica*, Vol. 1a: 346-347) later acknowledged.

Some commentators (e.g. Ball, 1981, *Nature* 294: 675-676) have claimed that "Croizat...had little interest in the theory of systematics". Such comments indicate just how unfamiliar most workers are with Croizat's extensive work in this area. For example, reasonably early in his career (1945e) Croizat published a most interesting analysis of natural versus artificial classification systems, and this was followed by hundreds of pages on this subject in relation to both plant and animal systematics in his later work.

In the light of Croizat's (1982) comments concerning extensive and unauthorised alterations to his original draft, we have decided *not* to list the Croizat, Nelson and Rosen paper "Centers of Origin and Related Concepts" published in *Systematic Zoology* 23: 265-287 (1974). We have both studied Croizat's work and in our considered opinion this paper in no way represents discussion of *any* of Croizat's concepts or methods, beyond a vague and general criticism of Darwinian biogeography, that is of course not unique to the panbiogeographic method. Additional support for our decision to omit this paper comes from comments by Dr M. T. Ghiselin, who was Review Editor of *Systematic Zoology* for 1974 and 1975. Ghiselin (*in litt.*) writes:

"It does not surprise me that Croizat is unhappy about the paper, nor that it poorly represents Croizat's views. I was to some extent privy to the publication of the paper..."

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* Present Address: Entomology Division, DSIR, Private Bag, Auckland, New Zealand.

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1930

Cactus gardens on window sills. *Cactus and Succulent J.* 2: 327-328.

1932

- a. *Vitis quadrangularis*, a succulent vine. *Cactus and Succulent J.* 3: 137-139.
- b. Cultural notes for the Atlantic Coast. *Cactus and Succulent J.* 4: 210-213.
- c. A list of annotated observations on the remarks of Dr K. von Poellnitz concerning A. Berger's classification of succulent *Euphorbiae*. Pt. I *Cactus and Succulent J.* 4: 291-293.
- d. *Ceropegia fusca* Bolle. *Cactus and Succulent J.* 4: 227-229.
- e. A list of annotated observations on the remarks of Dr K. von Poellnitz concerning A. Berger's classification of succulent *Euphorbiae*. Pt. II *Cactus and Succulent J.* 4: 308-310.

1933

- a. A list of annotated observations on the remarks of Dr K. von Poellnitz concerning A. Berger's classification of succulent *Euphorbiae*. Pt. III. *Cactus and Succulent J.* 4: 330-334.

1934

- a. Three new *Euphorbiae* from Madagascar. *Nat. Hort. Mag.* (Washington) 1934: 96-99.
- b. *De Euphorbio Antiquorum atque Officinarum, a study of succulent Euphorbiae long known in cultivation.* New York. 127 + v pp.
- c. A new Texan *Coryphanta*. *Torreya* 34: 15-16.
- d. A plant known as "*Euphorbia cactus*" (*Euphorbia conspicua*, N. E. Brown). *Cactus and Succulent J.* : 523-524.
- e. Several succulent *Euphorbiae* of the west coast of Africa. *Cactus and Succulent J.* 5: 582-584.
- f. *Euphorbia ramipressa*. *Cactus and Succulent J.* 6: 78-79.
- g. Notes on tree hardiness. *Nat. Hort. Mag.* (Washington) Oct. 1934: 356-359.

1935

- a. *Euphorbia sudanica* A. Chev., and *Euphorbia trapaefolia* A. Chev. *Desert Plant Life* 7: 139-141.
- b. Review of "*Succulent Plants*" by H. Jacobsen. *Desert Plant Life* 7: 120.
- c. Two new species of *Tilia* from Southern China. *Sinensia* 6: 656-663.

1936

- a. The rare trees and shrubs of Kissena Park, Flushing, Long Island, New York. *Brooklyn Botanic Garden Leaflets*, ser. 24, no. 3-5. 11pp.
- b. On the classification of *Euphorbia*. I. How important is the cyathium? *Bull. Torrey Bot. Club* 63: 525-531.
- c. Notes on *Elaeophorbia* with the description of *Elaeophorbia Hiernii* sp. nov. *Desert Plant Life* 8: 102-103.
- d. Where does *Euphorbia lactea* come from? *Desert Plant Life* 8: 116.
- e. Lindens in the city of New York and its vicinity. *J. New York Botanical Garden* 37: 225-231.
- f. An interesting oak in New York City with brief notes on *Quercus richteri* Baen. *Torreya* 36: 139-142.

1937

- a. *Tithymalus* or *Pedilanthus*? Nomenclatural considerations, notes, new names and combinations. *Amer. J. Bot.* 24: 701-704.
- b. *Chamaesyce*. In O. Degener (Ed.) *Flora Hawaiiensis*. Family 190. 12 pp. Privately published.
- c. A noteworthy plant, *Euphorbia epiphyloides* Kurz. *Desert Plant Life* 9: 40-41.
- d. *Euphorbia teke*. *Desert Plant Life* 9: 66.
- e. On the prickles and thorns of *Euphorbia*. *Desert Plant Life* 9: 127-129, 132, 134.
- f. Di alcune osservazioni suggerite dalla classificazione corrente del genere *Euphorbia* L. *Revista Argent. Agron.* 4: 222-237.
- g. An early Tertiary relict in Malaya, *Euphorbia ridleyi* nom. nov., descr. emend. (*E. synadenium* Ridl.) and its position in the Linnean genus. *Gard. Bull. Straits Settlements* 9: 145-151.
- h. On the classification of *Euphorbia*. II. How should the cyathium be interpreted? *Bull. Torrey Bot. Club* 64: 523-536.
- i. Une nouvelle espèce de *Kalanchoe* du Mozambique. *Bull. Jard. Bot. État Bruxelles* 14: 363-366.
- j. Is *Tilia americana* L. valid? *Torreya* 37: 55-57.
- k. Oriental plants in New York City. *J. New York Bot. Gard.* 38: 62-64.
- l. *Acer japonicum* var. *parsonsii* Hort. (Veitch & Sons) ex Schwerin, an invalid trinomial. *Bull. Fan Memorial Institute of Biology (Botany)* (Peiping) 7: 179-200.
- m. *Euphorbia glaucescens* Willd.: an obscure species from British India. *J. Botany* (April 1937): 105-108.

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1938

- a. *Euphorbia (Diacanthium) Deightonii*, a new succulent from West Africa, with brief notes on some allied species. *Bull. Miscell. Inform. Royal Bot. Gard., Kew* 2: 53-59.
- b. Mapping the arboretum. *Bull. Pop. Information. Arnold Arboretum, Harvard University*. ser. 4, 6 (no 5): 23-26.
- c. A misinterpreted Formosan species, *Euphorbia calonesiaca*, spec. nov. *J. Arnold Arbor.* 19: 97-98.
- d. Notes on Chinese Euphorbiaceae. *J. Arnold Arbor.* 19: 134-148.
- e. Seven binomials proposed as nomina ambigua. *J. Arnold Arbor.* 19: 282-290. (With A. Rehder and E. J. Palmer.)
- f. Notes on Euphorbiaceae, with a new genus and a new subtribe of the Euphorbiaceae. *Philippine J. Sci.* 64: 397-409 + 1 plate.
- g. Glands of Euphorbiaceae and of *Euphorbia*. *Chron. Bot.* 4: 512-514.
- h. Euphorbiées Africaines nouvelles ou peu connues: *Elaeophorbia* et *Euphorbia* section *Tekeanae*. *Bull. Jard. Bot. État Bruxelles* 15: 109-120.
- i. Identifying the lindens (Pt. 2) *Amer. Nurseryman* 67(2): 3-4. (Pt. 3) *Op. cit.* 67(4): 7-8. (Pt. 4) Citation not known. (Pt. 5) *Op. cit.* 67(8): 5-6. (Pt. 6) *Op. cit.* 67(10): 7-8. (Pt. 7) *Op. cit.* 67(12): 7-8. (Pt. 8) *Op. cit.* 68(2): 7-8. (Pt. 9) *Op. cit.* 68(4): 7-8.

1939

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- d. An interpretation of *Euphorbia edulis* Loureiro. *Philippine J. Sci.* 69: 287-296.
- e. Identifying woody plants in winter. (Pt. 1). *Amer. Nurseryman* 70(8): 3-4.
- f. Identifying woody plants in winter. (Pt. 2). *Op. cit.* 70(10): 7-8, 23.
- g. Identifying woody plants in winter. (Pt. 3). *Op. cit.* 70(12): 5-6.

1940

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- b. A new species of *Croton* from Colombia. *Phytologia* 1: 433.
- c. Notes on Indian Euphorbiaceae: *Croton bonplandianus* (C. sparsiflorum) and *Euphorbia perbracteata*. *J. Bombay Nat. Hist. Soc.* 41: 573-576.
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- f. Thirty-five new species of American *Croton*. *J. Arnold Arbor.* 21: 76-107.
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- q. Identifying woody plants in winter. (Pt. 5). *Op. cit.* 71(4): 9-10.
- r. Identifying woody plants in winter. (Pt. 6). *Op. cit.* 71(6): 8-9.
- s. Identifying woody plants in winter. (Pt. 7). *Op. cit.* 71(9): 9-10.
- t. Identifying woody plants in winter. (Pt. 8). *Op. cit.* 71(11): 9-10.
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- v. Notebook records of leaves. *Op. cit.* 72(6): 11.
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1941

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- c. *Kleinia pendula*,...the inch worm. *Desert Plant Life* 13: 185-188.
- d. A discussion of new and critical synonymy. *J. Arnold Arbor.* 22: 133-142.
- e. The tribe Plukenetiae of the Euphorbiaceae in eastern tropical Asia. *J. Arnold Arbor.* 22: 417-431.
- f. Preliminaries for the study of Argentine and Uruguayan species of *Croton*. *Darwiniana* 5: 417-462.
- g. Notes on the Euphorbiaceae II. *Bull. Bot. Gardens Buitenzorg.* Ser. III. 17: 204-208.
- h. On methods and experiments. *Cactus and Succulent J.* 13: 184-185.
- i. Comments on Far Eastern *Euphorbia*. *J. Jap. Bot.* 17: 573-578.
- j. Euphorbiaceae In E. D. Merrill. The Upper Burma plants collected by Captain F. Kingdon-Ward on the Vernay-Cutting expedition, 1938-1939. *Brittonia* 4: 96-98.
- k. A further comment on stability in nomenclature. *Science* 93: 109-110.
- l. Euphorbiaceae and Sapindaceae. In H. N. Moldenke. The flora of extra-tropical South America. II. *Lilloa* 6: 298-304.
- m. Confusion in viburnums. *Amer. Nurseryman.* 74(11): 5-7.
- n. Identifying elms in winter. Op. cit. 73(8): 7-9.
- o. Review of "The Succulent Euphorbiae" by White, Dyer and Sloane. *Desert Plant Life* 13 (10): 193-194.
- p. Note sur *Antidesma leptobathymum*. *Bull. Jard. Bot. État Bruxelles* 18 (pagination not known).

1942

- a. Notes on the Euphorbiaceae III. *Bull. Bot. Gardens Buitenzorg* ser. III 17: 209-219.
- b. New and critical Euphorbiaceae chiefly from the southern United States. *Bull. Torrey Bot. Club* 69: 445-460.
- c. Peculiarities of the inflorescence in the Euphorbiaceae. *Bot. Gazette* 103: 771-779.
- d. New species of *Croton* from Guatemala. *Chicago Field Museum of Natural History. Publ.* 516. *Bot. Ser.* 22: 445-453.
- e. *Mammillaria Nellieae*. comb. nov. *Cactus and Succulent J.* 14: 34.
- f. *Echinofossulocactus* or *Stenocactus*. *Cactus and Succulent J.* 14: 69-71.
- g. Something about nomenclature rules. *Cactus and Succulent J.* 14: 94-96.
- h. New combinations and notes under *Echinofossulocactus* Lawrence. *Cactus and Succulent J.* 14: 111-112 (with photo of Croizat on the cover).
- i. Is *Binghamia* valid? *Cactus and Succulent J.* 14: 126-128.
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- k. What is a cephalium? *Cactus and Succulent J.* 14: 169-172.
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- n. A study of *Manihot* in North America. *J. Arnold Arbor.* 23: 216-225.
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- r. On *Euphorbia resinifera* Berg: two new varieties. *Desert Plant Life* 14: 46-48.
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1943

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1946

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1947

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1949

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