

- Merker, Ernst, 1929a. Die Pigmentverschiebungen in Netzaugen der Insekten unter dem Einfluss von ultraviolettem Licht. *Zool. Jahrb.* 46 (*Abt. Allgem. Zool.*): 297-374, 6 figs.
-, 1929b. Die Fluoreszenz im Insektenauge, die Fluoreszenz des Chitins der Insekten und seine Durchlässigkeit für ultraviolettes Licht. *Zool. Jahrb.* 46 (*Abt. Allgem. Zool.*): 483-574, 2 pls.
- Mottram, J. C., & E. A. Cockayne, 1920. Fluorescence in Lepidoptera. *Proc. Ent. Soc. London* 1920: xxxvi-xxxix.
- Radley, J. A., & Julius Grant, 1935. *Fluorescence analysis in ultraviolet light*.
- Rayleigh, Lord, 1930. The iridescent colours of birds and insects. *Proc. Royal Soc. (A)* 128: 624-641.

Biol. Res. Sect., Armour Res. Found.,
Illinois Inst. Technology, Chicago 16, Ill., U. S. A.

CARADRINA MORPHEUS, A NEW RECORD FOR NORTH AMERICA OF A EUROPEAN MOTH (NOCTUIDÆ)

In 1954 while on a visit, I left with Dr. A. E. BROWER at Augusta, Maine, two or three specimens of a Noctuid that I had taken at light on the balcony of my home in the city of Montreal, Prov. of Quebec. Dr. BROWER did not recognize the species at the time and took them with him to Ottawa, Ont., on a trip at a later date and there, through the kindness of Dr. E. G. MUNROE and Dr. D. F. HARDWICK, they were identified as *Caradrina morpheus* Hufn., a common species in Europe—illustrated in RICHARD SOUTH'S *Moths of the British Isles*, plate 151: number 5.

The captures listed below would indicate the establishment of this species in both eastern and western Canada. The seven records for British Columbia are all contained in the Canadian National Collection at Ottawa, and it is through the courtesy of Dr. HARDWICK that I am permitted to include these western records.

Montreal, P.Q.:—♀ 19 June 1949; ♀ 2 July 1953; ♂ & 2 ♀♀ 30 June 1954; ♀ 2 July 1954; ♀ 9 July 1954; ♂ 8 June 1955; ♀ 20 June 1955; ♀ 3 July 1955; ♂ & ♀ 2 July 1956; ♂ 4 July 1956; ♀ 12 July 1956; 2 ♀♀ 14 July 1956.

New Westminster, B. C.:—♂ 12 July 1944 (Mrs. E. SEAL).

Mission City, B. C.:—♀ 6 July 1953 (W. R. M. MASON); ♀ 9 July 1953 (EDITH MASON); ♀ 11 July 1953 (W. R. MASON); ♀ 17 July 1953 (S. D. HICKS); ♀ 30 July 1953 (EDITH MASON).

Kamloops, B. C.:—♂ 24 June 1955 (D. A. ARNOTT).

A. C. SHEPPARD, 5554 Coolbrook Ave., Montreal, P. Q., CANADA