

has chosen a spot on a branch, spun a silk mat and attached itself by a girdle around its body, it and the twig must be placed in another glass into which no new larvæ are put. For just before their pupation, caterpillars are very uneasy, and can readily disturb those which are ready to pupate.

If we have the overwintering generation, the glass jars containing pupæ should be covered with wire netting, to prevent the entrance of mice during the winter.

The caterpillars of *P. multicaudatus* can be found on other plants as well as on Choke-cherry. But in Shasta County in northern California the females lay their eggs only on the leaves of Choke-cherry. If you want the butterflies to become constant visitors in your garden, you must try to provide suitable conditions. Thus there should be a small bed with flowers of Tiger Lily, and Choke-cherry bushes.

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#### FIGURES OF TYPE SPECIMENS

At the meeting of the International Union of Biological Sciences held at Nice in August 1953, a type-figuring subsection of the Entomology Section was formed. The objective of the subsection is to make information on types of insects and other animals as readily available as possible, especially by distributing figures of the type specimens, to assist in research work and to have some information available in case types are accidentally destroyed.

The activities of the subsection are directed by a committee under the chairmanship of Mr. N. D. RILEY, Keeper, Department of Entomology, British Museum (Natural History), London, S. W. 7. Other members of the committee are:

B. P. BEIRNE, I. F. B. COMMON, W. FORSTER, J. G. FRANCMONT, H. INOUE, A. J. T. JANSE, O. LUNDBLAD, E. G. MUNROE, J. OITICICA FO., J. F. G. CLARKE, R. N. ORFILA, C. F. DOS PASSOS, R. SPÄRCK, and P. E. VIETTE.

The aims of the subsection are: to collect in a central file negatives of photographs of type specimens, or of photographs of drawings or other illustrations of type specimens or of their parts; to catalogue these and make lists available from time to time; to make and to distribute prints of the photographs for suitable fees to those requesting them;

and, when finances permit, to make or arrange to have made illustrations of types for the central file.

At present the headquarters of the Subsection and the Central File are located at Ottawa, where some facilities are being made available to assist in the organization and the initial stages of operation. The headquarters can be transferred elsewhere at some future date, if a more suitable location and more adequate facilities were made available.

The Subsection on Figuring Types now has available the first set of 50 photographs of type specimens of Lepidoptera. The set comprises 50 prints, representing upper and under sides of the following types of Rhopalocera in the Canadian National Collection of Insects:

- No. 1/2 *Papilio brevicauda* Saund. Packard: *Guide Stud. Ins.* 245, 1869. CNC Type No. 832
- 3/4 *P. brevicauda gaspeensis* McD. *Can. Ent.* 66,84,1934. CNC Type No. 3735
- 5/6 *P. brevicauda bretonensis* McD. *Can. Ent.* 71,158,1939. CNC Type No. 4549
- 7/8 *P. machaon dodi* McD. *Can. Ent.* 71,216,1939. CNC Type No. 4913
- 9/10 *Parnassius smintheus sternitzkyi* McD. *Can. Ent.* 68,273,1936. CNC Type No. 4116
- 11/12 *P. smintheus olympiana* Burd. *Can. Ent.* 73,118,1941. CNC Type No. 5191
- 13/14 *Colias nastes subarctica* McD. *Can. Ent.* 60,271,1928. CNC Type No. 2863
- 15/16 *C. nastes streckeri* ab. *palliflava* McD. *Can. Ent.* 59,154,1927. CNC Type No. 2435
- 17/18 *Pieris beckeri pseudochloridice* McD. *Can. Ent.* 60,267,1928. CNC Type No. 2861
- 19/20 *P. napi mogollon* Burd. *Can. Ent.* 74,154,1942. CNC Type No. 5222
- 21/22 *Cænypmba inornata benjamini* McD. *Can. Ent.* 60,272,1928. CNC Type No. 2888
- 23/24 *C. inornata insulana* McD. *Can. Ent.* 60,273,1928. CNC Type No. 2889
- 25/26 *C. inornata columbiana* McD. *Can. Ent.* 60,274,1928. CNC Type No. 2890
- 27/28 *C. inornata nipisiquit* McD. *Can. Ent.* 71,266,1939. CNC Type No. 4967
- 29/30 *C. ampelos mono* Burd. *Can. Ent.* 74,2,1942. CNC Type No. 5223
- 31/32 *C. tiphon mackenziei* Davenp. *Can. Ent.* 68,1936. CNC Type No. 4066
- 33/34 *Eneis chryxus strigulosa* McD. *Can. Ent.* 66,86,1934. CNC Type No. 3732
- 35/36 *O. jutta reducta* McD. *Can. Ent.* 61,105,1929. CNC Type No. 2955
- 37/38 *O. cairnesi* Gibs. *Rep. Can. Arc. Exp.* III,15 I,1920. CNC Type No. 834
- 39/40 *O. brucei yukonensis* Gibs. *Rep. Can. Arc. Exp.* III,15 I,1920. CNC Type No. 836
- 41/42 *O. semidea arctica* Gibs. *Rep. Can. Arc. Exp.* III,13 I,1920. CNC Type No. 835
- 43/44 *O. simulans* Gibs. *Rep. Can. Arc. Exp.* III,14 I,1920. CNC Type No. 854
- 45/46 *Erebia disa subarctica* McD. *Can. Ent.* 69,16,1937. CNC Type No. 4118
- 47/48 *E. fasciata* ab. *suffusa* Warr. Warren: *Mon. Gen. Erebia*, 180,1936. CNC Type No. 4119
- 49/50 *Argynnis cybele novascotiæ* McD. *Can. Ent.* 67,18,1935. CNC Type No. 3859

At present, because of limitations of staff, photographs can be sold only in sets, price \$4.00 per set. Orders and inquiries should be addressed to the Curator, Mr. P. F. BRUGGEMANN, Science Service Building, Carling Avenue, Ottawa, Ontario, Canada. Cheques may be made payable to the International Union of Biological Sciences.

EUGENE G. MONROE, Science Service Bldg., Ottawa, Ont., CANADA

[Editor's note: Dr. MUNROE has just notified us that series 2-8 of figures of North American types in the Canadian National Collection are now available and lists of these can be obtained from Mr. BRUGGEMANN.—C.L.R.]