

## OBITUARY

## PERCY HEATH HOBART GRAY

1891-1971

It is with deep regret that we record the death on October 11th, 1971, of Dr. P. H. H. Gray, a Charter Member of the Lepidopterists' Society, and for some years a member of the Entomological Society of Canada and the Entomological Society of Quebec.

He was born in Woodland Heights (Richmond), Virginia, on November 21st, 1891, and studied in England at Oxford, (M.A.) and London University (D.Sc.). In 1920 he joined the staff of the Bacteriology Department, Rothamsted Experimental Station, England, and in 1929 became Professor and Chairman of the Department of Agricultural Bacteriology, Macdonald College of McGill University, Ste. Anne de Bellevue, P.Q., Canada. During the course of almost 30 years prior to his retirement in 1957, his research output was considerable, concerning mainly the activities of soil microorganisms towards cellulose, urea and pesticides and a great many scientific papers were published in this connection. For many years Dr. Gray guided numerous students who trained in microbiology and who now hold important positions across Canada.

During this period, Dr. Gray found time for and took a great interest in entomology, developing a good local collection of Lepidoptera, collected for the most part in his garden at Baie d'Urfe, P.Q., and in the surrounding woods and fields. His careful collecting produced several species not previously recorded for the Province of Quebec. He published some 25 papers on Lepidoptera. He was also a proficient classical scholar, and his quiet wit was at its best in many verses which he composed and in his letters to friends.

Shortly after retiring he moved to Nova Scotia, purchasing a home outside Digby, where he resided and continued with his interest in entomology until the time of his death. Our deepest sympathy is extended to his wife and son.

## BIBLIOGRAPHY (ENTOMOLOGICAL) OF P. H. H. GRAY

- 1949. Alfred Russell Wallace on butterfly hunting. *Lep. News* 3: 80.
- 1949. An economical storage box. *Lep. News* 3: 104.
- 1951. An apparatus for incubating lepidopterous larvae or pupae in nutrition and environment tests. *Lep. News* 5: 35.
- 1951. Results of humidity tests with *Papilio pupae*. *Lep. News* 5: 67.
- 1951. A multiple reflector light trap. *Lep. News* 5: 72.
- 1952. The weights of fresh and dried butterflies. *Lep. News* 6: 73.
- 1953. A note on the colors of pupae of *Pieris rapae* developed under artificial conditions. *Lep. News* 7: 5.

1953. Correlations between "pupal volume" and wing radius and weight in butterflies. *Lep. News* 7: 48.
1953. Aids to distinguish between females of the "Winter-Moths", *Alsophila pometaria* and *Operophthera bruceata* (Geometridae). *Lep. News* 7: 127.
1954. Effects of humidity during growth of *Pieris rapae* larvae. *Lep. News* 8: 88.
1954. 1952 captures in Quebec. *Lep. News* 8: 102.
1954. Notes on the occurrence of *Alsophila pometaria* (Geometridae) at Baie d'Urfe and Macdonald College, Quebec, in 1953. *Lep. News* 8: 140.
1954. Aristotle's description of the life history of a butterfly. (*Psyche*) *Lep. News* 8: 145.
1955. An apparatus for weighing small insects. *Lep. News* 9: 58.
1955. *Aphomia gularis* (Zeller) (Lepidoptera: Pyralidae) at Baie d'Urfe, Quebec. *Can. Ent.* 87: 239.
1955. An apparatus for the rapid sorting of small insects. *The Entomologist* 88: 1103.
1957. Mold-free relaxing bottles for Lepidoptera. *Lep. News* 11: 54.
1959. Dwarf *Pierine* butterflies. *The Entomologist* 92: 1154.
1960. A method for estimating the wing radius in Lepidoptera. *Lep. News* 14: 63.
1960. Dwarf *Pierine* butterflies: a supplementary note. *The Entomologist* 93: 180.
1961. A comparison of scales on wings of *Colias* species: (Lepidoptera: Pieridae). *The Entomologist* 94: 125.
1962. 'Giant' scales on the wings of *Thecla* species (Lepidoptera: Lycaenidae). *The Entomologist* 95: 76.
1965. A method of estimating the area of a butterfly's wing. *The Entomologist* 98: 64.
1967. Correlations between characters in species of *Colias* (Lepidoptera: Pieridae). *The Entomologist* 100: 62.
1968. Noviculoid scales in the fore wing terminal borders of *Colias* species: (Lepidoptera: Pieridae). *The Entomologist* 101: 175.

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