

THE PROPER CITATION FOR THREE SPECIES NAMES PROPOSED BY S. H. SCUDDER

The three names treated in this note are *Chrysophanus dione*, *Apatura proserpina* and *Hesperia iowa*. The three were each proposed in two different articles published sufficiently close to each other to cause some trouble. One of these articles is a report of the minutes of the meeting of the Entomological Section of the Boston Society of Natural History for 26 February 1868 in the Proceedings of the Society, vol. 11, p. 401, 1868. The other article is "A preliminary list of the butterflies of Iowa." It appeared in the Transactions of the Chicago Academy of Science, 1:326-337, "1867-1870."

The following is the treatment of these names by cataloguers and checklists from Kirby in 1871 to Miller & Brown in 1981. In it "B" stands for reference to the Boston publication and "C" to the Chicago one. The dates presented are abbreviated thus: '68 for 1868 and so forth.

Catalogue or list	Date	<i>C. dione</i>	<i>A. proserpina</i>	<i>H. iowa</i>
Kirby	1871	B '68	B '68	C '69
Strecker	1876	B '68	B '68	C '68
Edwards	1877	C no date	C no date	B no date
Edwards	1884	C '69	C '69	C '68
Skinner	1896	C '69	B '68	C '68
Dyar	1902	C '69	B '68	no data
dosPassos	1964	'68	'68	'68
Miller & Brown	1981	C '69	C '70	C '69

Barnes & McDunnough (1917), Barnes & Benjamin (1926), and McDunnough (1938) cite no dates nor original description data; dosPassos cites dates but nothing more.

Notice that only dosPassos is consistent. He at least cites the same year, 1868, for publication of the three names. Strecker also is consistent so far as the date is concerned but not for the publication in which the names were first published. Only W. H. Edwards, 1884, and Miller & Brown, 1981, are consistent for the periodical but not for the dates. What is the correct date and periodical?

Publication of the names in the Proceedings of the Boston Society of Natural History was not directly by Scudder but by the secretary of the Entomological Section. This situation is covered by Article 50 (a) of the International Code of Zoological Nomenclature. The names are to be credited to Scudder, not to Mann. Volume 11 was completed and published in 1868. Scudder's names became valid sometime after 26 February and before 31 December of that year.

The only volume of the Transactions of the Chicago Academy of Science was published before 31 December 1870. Scudder dates his manuscript "Boston, October 22nd, 1869." Since none of the signatures of this journal are dated, publication must be considered "31 December 1870" according to the "Code." The date on Scudder's manuscript itself places the Chicago appearance of the names after their appearance in the Boston journal.

The proper citation of each of the three names: *Chrysophanus dione*, *Apatura proserpina* and *Hesperia iowa*, all sired by S. H. Scudder, is: **Proceedings of the Boston Society of Natural History, 11:401, 1868.** The signature containing the names is 26 and is dated May 1868.

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