

9. *Lithosia quadra*. After an absence of eight years one in the south of Dutch Limburg on 3 July.

10. *Agrotis ipsilon*. One about mid March and a few in April, corresponding with the waves of immigrants observed in the British Isles. Only in very small numbers in the four following months, but on practically all days in October, though all daily totals less than 10. Total number only 165.

11. *Peridroma saucia*. Seven specimens between 28 August and 1 November. At any rate more than in the four preceding years.

12. *Mythimna vitellina*. One on 29 September.

13. *Spodoptera exigua*. On the same day as the preceding species one in the south of Dutch Limburg, the first after 1970.

14. *Catocala fraxini*. One on 5 October in the prov. of Zeeland.

15. *Autographa gamma*. The first as late as 7 May. From that date continually present till the first days of November, but almost always in small numbers with a few exceptions in August. Only in the course of September a definite rise in the numbers could be registered and the top was reached on the 29th with more than 200 specimens, exceptionally late in the year. In October numbers rapidly diminished and the last *gamma* was seen on November 14. Total number 3800, extremely low, and not even half that of *V. atalanta*, which had never occurred before.

16. *Autographa bractea*. Two specimens on 15 July in the south of Dutch Limburg.

17. *Rhodometra sacraria*. Five specimens from 9 till 16 September, corresponding with the first British wave. A total of five is very good for the Netherlands.

18. *Udea ferrugalis*. Only two specimens on 8 July in Friesland.

19. *Nomophila noctuella*. Only three specimens. One on 3 August, two in September.

20. *Plutella xylostella*. Observed from 7 May till 28 October, practically always in small numbers, but with clear waves of immigrants at the end of May and the beginning of June, mid July and the second week of August. Total number 625, a striking difference with 1980.

LITERATUUR

Bretherton, R. F. & J. M. Chalmers-Hunt, 1982. The Immigration of Lepidoptera to the British Isles in 1981, including that of the Monarch Butterfly: *Danaus plexippus* L. — *Entomologist's Rec. J. Var.* 94: 81-87, 103-111.

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AANVULLINGEN OP DE LIJST VAN ZWEEFVLIEGEN VAN HET HEILOOËR BOS (DIPTERA: SYRPHIDAE). Van het Heilooër bos is een lijst van 84 zweefvliegsoorten gepubliceerd (Van der Goot, *Ent. Ber., Amst.* 27: 135-137, 1967). Hieraan kan ik nu toevoegen *Xanthandrus comtus* (Harris) (1 ex.), *Dasysyrphus friuliensis* (Van der Goot) (1 ex.), *Epistrophe grossulariae* (Meigen) (1 ex.), *Melangyna triangulifera* (Zetterstedt) (4 ex.), *M. umbellatarum* (J. C. Fabricius) (1 ex.) en *Eumerus tuberculatus* Rondani (2 ex.). Tevens vermeldde N. A. J. Visser (*Ent. Ber., Amst.* 19: 228, 1959) *Xylota sylvarum* (Linnaeus) (2 ex.) en *Xylota tarda* Meigen (1 ex.). Met deze aanwinsten is de Syrphidenlijst van het Heilooër bos aangegroeid tot 92 soorten. Daarmee is dit slechts 70 ha grote bos de belangrijkste zweefvliegvindplaats van Noord-Holland ten noorden van het Noordzeekanaal. In dat gebied zijn in totaal 128 zweefvliegsoorten waargenomen. Het gebied als geheel is nogal soortenarm als we in aanmerking nemen dat in Nederland in totaal 287 zweefvliegsoorten zijn vastgesteld.

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