

Records of Aphids in New Regions in India

by

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The following species of aphids (Homoptera - Aphididae) are now recorded apparently for the first time from the various regions in India given below.

A. SOUTHERN REGION - TAMIL NADU

1. *Aphis* sp. On *Rubus niveus*, Coonoor, 26 June 1970 (S. K. David).
2. *Cerataphis orchidearum* (Westwood 1979) (*Grnrs. chron.* 796). On *Epidendron* sp., Ootacamund, 8 December 1969 (S. K. David).
3. *Schizaphis minuta* (van der Goot 1917) (*Contr. Faune Indes Neerl.* 3, 86-8). In flight, Tambaram, 16 December 1967 (S. G. Rajasingh) According to Dr. V. F. Eastop, London, the previous record of the species in India was from Varanasi (Benares) (private communication).

B. CENTRAL REGION - MADHYA PRADESH

4. *Hyalopterus pruni* (Geoffroy 1762) (*Hist. Abr. Ins. Env. Paris*, 1, 497). On a bamboo-like plant, Mount Abu, 17 May 1968 (S. G. Rajasingh and K. Narayanan).

C. NORTH WESTERN REGION - A. KASHMIR

5. *Chaitophorus ? populialbae* (Boyer de Fonscolombe 1841) (*Ann. Soc. Ent. Fr.* 10, 187). On *Solanum* sp. (?), Srinagar, 30 May 1968 (K. Narayanan and S. G. Rajasingh).
6. *Hyalopterus pruni amygdali* (Blanchard 1940) (*Hist. Nat. Ins.* 3, 206). On apricot, Srinagar, 30 May 1968 (K. Narayanan and S. G. Rajasingh).
7. *Rhopalosiphum nymphacae* (Linne 1761) (*Faun. Succ.* 260). On rose, Srinagar, 5 November 1968 (K. Narayanan). Males were present. This species has been recorded previously from various places in India (David 1958a and 1958b, Ghosh and Raychaudhuri 1959 and Basu and Raychaudhuri 1967 (erroneously as new record in India).
8. *@Thecabius* sp. On an unidentified plant, Srinagar, 2 June 1968 (K. Narayanan and S. G. Rajasingh).

B. HIMACHAL PRADESH

9. *Acyrtosiphon rubi* Narzikulov 1957 (*Rav. J. Ent. Uris*, 36, 671-94). On *Rubus* sp., Simla, 15 August 1967 (K. Narayanan).
10. *Acyrtosiphon (Metopolophium) chandrani* David and Narayanan 1968 (*Bull. Ent.* 9, 102-3). On wild rose, Simla, 10 November 1968 (K. Narayanan).
- Oviparous female.* (New description). Body 1.62 to 1.66 mm in length, pale pigmentation all over. Head pale, almost flat in front with small lateral tubercles. Dorsal hairs about 10 μ in length, with pointed apices. Third antennal segment swollen in the basal half but without sensoria. Last rostral segment 0.09 mm in length. Cornicles pale, slightly tapering, with light imbrications. Cauda pale with 6 hairs. Legs pale; hind tibiae swollen in the basal half, as wide as hind femora in width, about 0.09 mm, with numerous pseudo-sensoria over the whole length. Other characters as in the apterous viviparous female.
- Measurements of one specimen in mm:* Length of body 1.61; antennae 1.19; antennal segments III, IV, V & VI, 0.29, 0.14, 0.16, 0.12 + 0.26 respectively; cornicle 0.23; cauda 0.11.
11. *Aphis ?rhoicola* Hille Ris Lambers 1954 (*Estr. Boll. Lab. Zool. Gen. Agr. Port.* 33, 176). On *Rumex* sp., Simla, 24 November 1969 (K. Narayanan and S. G. Rajasingh).
12. *Cinara (Lachniella) comata* Doncaster 1956 (*Proc. R. Ent. Soc. London*, (B), 25, 111-2). On pine, Kufri, Simla, 8 December 1968 (K. Narayanan).
13. *Cinara maculipes* Hille Ris Lambers 1966 (*Tijdschr. Ent.* 109, 203-4). On *Pinus patula*, Manali, 18 May 1969 (K. Narayanan). This is a new host for the species.
14. *Dactynotus (Uroleucon) kashmiricus* Verma 1966 (*Indian J. Ent.* 28, 265-7). On an undetermined plant, Simla, 5 June 1968 (K. Narayanan).
15. *Doraphis populi* Maskell. On *Populus* sp. Manali, 18 May 1969 (K. Narayanan).
16. *Epipemphigus imaicus* (Cholodkovsky 1898) (*Soc. Ent. Rus.* 603-74)
- i. On an undetermined tree in leaf galls, fundatrix, Kufri, Simla, 7 June 1968 (K. Narayanan and S. G. Rajasingh).
 - ii. On *Populus* sp., Manali, 7 June 1968 and 12 June 1968 (K. Narayanan and S. G. Rajasingh).

17. *Eutrichosiphum* sp. On *Betula utilis*, Manali, 18 May 1969 (K. Narayanan)
This food plant is unusual for this genus.
18. @*Impatientinum ?asiaticum* Nevskii 1929 (*Tli Srednii Asii*, 140). On an undetermined plant, Simla, 24 November 1969 (K. Narayanan and S. G. Rajasingh).
19. *Micromyzodium flicium* David 1958 (*Indian J. Ent.* 20, 175-8). On an undetermined plant, Simla 7 November 1968 (K. Narayanan).
20. *Myzus dycei* Carver 1961 (*Proc. R. Ent. Soc. London* (B) 30, 69-71). On a plant of Urticaceae, Simla, 8 December 1968 (K. Narayanan).
21. *Pterocomma ?pilosum* (Buckton 1879) (*Mon. Br. Aphi* 2, 143). On roots of an undetermined tree, Kufri, Simla, 7 June 1968 (K. Narayanan and S. G. Rajasingh). All were nymphs.

D. NORTH EASTERN REGION - WEST BENGAL

22. @*Periphyllus testudinaceus* (Ferne 1852) (*Naturalist* 3, 265). On *Acer oblongum*, Darjeeling, 14 December 1969 (S. G. Rajasingh).

Of the species mentioned above, item No. 1 is a new species which will be described by another author. Items 8, 11, 15, 18 and 22 (marked with @) are apparently new to India. All determinations except for those of items 1 and 2 were checked by Dr. D. Hille Ris Lambers, Netherlands.

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