

**Drosophilidae (Diptera) of Sabah, Borneo, of Dr. G. Imadaté's
collection in 1968**

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About eighteen-hundred specimens of the family Drosophilidae were collected by Dr. Gentaro Imadaté of the Tokyo Medical and Dental University during his survey as the leader in an expedition, Japanese Students Training Party to Pensiangan, Sabah, conducted by the Committee for Southeast Asian Studies of the Osaka City University, in 1968.

The collection was found to involve eighteen named and two unnamed species, of which nine named were new to Sabah. The drosophilid species of Sabah have so far been recorded by Mather (1968a,b), Wilson et al. (1969), Bock and Wheeler (1972), Takada et al. (1973), and Okada (1964, 1974), approximating thirty-five in number. Consequently, total number in this state attains forty-five, and that in whole Borneo more than sixty.

Liodrosophila globosa OKADA, 1956. *Kontyû* 33:334. 1♂, 1♀, Tataluan, 21-VIII-1968.

Distribution Ryukyus, Sabah, Brunei, Formosa, Java, Sumatra, Ceylon.

Drosophila(Scaptodrosophila) coracina KIKKAWA and PENG, 1938. *Jap. J. Zool.* 7:523.

1♂, Batu, Punggul, 20-VIII-1968.

Distribution Japan, Ryukyus, Korea, China, Sabah (new record).

Drosophila(Hirtodrosophila) hirtinokogiri OKADA, 1967. *Mushi* 41:18.

1♂, Batu, Punggul, 18-VIII-1968.

Distribution Ryukyus, Sabah (new record).

Drosophila(Sophophora) eugracilis BOCK and WHEELER, 1972. *Univ. Texas Publ.* 7213:31.

2♂, Tataluan, 21-VIII-1968.

Distribution Thailand, Sabah (new record), Brunei, Sarawak, Cambodia, Java, Sumatra, Malaya, Philippines, India, New Guinea, Australia, Moluccas.

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Drosophila(Sophophora) takahashii Sturtevant, 1927. *Philip. J. Sci.* 32:371.

7♂, 3♀, Tataluan, 16-21-VIII-1968.

Distribution Japan, Korea, Ryukyus, Formosa, Nepal, China, Philippines, Sabah (new record), Brunei, Thailand, India, Micronesia.

Drosophila(Sophophora) melanogaster Meigen, 1830. *Syst. Besch.* 6:85.

2♂, Batu, Punggul, 18-20-VIII-1968; 109♂, 120♀, Tataluan, 17-21-VIII-1968.

Distribution Japan, Ryukyus, Korea, China, Nepal, Philippines, Formosa, Thailand, Vietnam, Java, Sumatra, Sabah, India, Micronesia, Hawaii, Australia, Africa, Europe, N. America, S. America.

Drosophila(Sophophora) ananassae Doleschall, 1858. *Nat. Tijds. Ned. Ind.* 17:128.

26♂, 64♀, Bigor, 14-VIII-1968; 13♂, 25♀, Batu, Punggul, 18-20-VIII-1968; ~~26♂, 56♀~~ ^{26♂, 42♀} Tataluan, 16-21-VIII-1968.

Distribution Vietnam, Thailand, Sabah, Sarawak, Japan, Ryukyus, Sumatra, Malaya, India, Micronesia, Hawaii, Australia, N. America, S. America, Africa, Europe.

Drosophila(Sophophora) bipectinata DUDA, 1923. *Annls. hist.-nat. Mus. natn. hung.* 20:52.

12♂, 10♀, Tataluan, 21-VIII-1968.

Distribution Japan, Ryukyus, Formosa, Philippines, Cambodia, Thailand, Sabah, Brunei, Sarawak, Java, Sumatra, India, Nepal, New Guinea, Micronesia, Fiji, Samoa.

Drosophila(Sophophora) malerkotliana PARSHAD and PAIKA, 1964. *Res. Bull. (N.S.) Panjab Univ.* 15:235.

51♂, 9♀, Tataluan, 20-VIII-1968.

Distribution Thailand, Philippines, Sabah, Brunei, Sarawak, Malaya, Java, India.

Drosophila(Sophophora) kikkawai BURLA, 1954. *Rev. Brasil. Biol.* 14:47.

2♀, Tataluan, 21-VIII-1968.

Distribution Japan, Korea, China, Ryukyus, Formosa, Philippines, Vietnam, Sabah, Brunei, Sarawak, Java, Sumatra, Nepal, India, Micronesia, Samoa, Fiji, S. America.

Drosophila(Sophophora) barbarae BOCK and WHEELER, 1972. *Univ. Texas Publ.* 7213:62.

^{2♂, Tataluan, 21-VIII-1968.}
Distribution Thailand, Philippines, Malaya, Sabah (new record?; hitherto recorded from 'Borneo').

Drosophila(Sophophora) tanorum OKADA, 1964. *Nature & Life in SE Asia* 3: 452.

2♂, Tataluan, 21-VIII-1968.

Distribution Sabah (new record), Brunei.

Drosophila(Sophophora) parvula BOCK and WHEELER, 1972. *Univ. Texas Publ.* 7213: 73.

1♂, Tataluan, 21-VIII-1968.

Distribution Thailand, Sabah, Malaya.

Drosophila(Sophophora) truncata OKADA, 1964. *Nature & Life in SE Asia* 3: 455.

1♂, 2♀, Tataluan, 21-VIII-1968.

Distribution Sabah (new record), Brunei, India.

Drosophila(Drosophila) formosana DUDA, 1926. *Annl. hist.-nat. Mus. natn. hung.* 23:250 (as var. of *tripunctata=immigrans*).

1♂, Tataluan, 21-VIII-1968.

Distribution Formosa, Sumatra, Sabah (new record).

Drosophila(Drosophila) sulfurigaster DUDA, 1923. *Annl. hist.-nat. Mus. natn. hung.* 20:48.

4♂, 3♀, Tataluan, 21-VIII-1968.

Distribution Thailand, Cambodia, Philippines, Sabah, Sarawak, Malaya, Buru, New Guinea, Australia, Micronesia, Fiji, Samoa, Hawaii.

Drosophila(Drosophila) tetrachaeta ANGUS, 1964. *Univ. Queensland Papers* 2: 156.

1♂, Tataluan, 21-VIII-1968.

Distribution Sabah, New Guinea.

Drosophila(Drosophila) obscuricornis (DE MEIJERE), 1915. *Tijdschr. Ent.* 58, Suppl. 94. (*Stegana*).

1♂, Tataluan, 21-VIII-1968.

Distribution Java, Sumatra, Celebes, Sabah (new record), Brunei, Sarawak.

Drosophila(Drosophila) sp.

1♂, Tataluan, 21-VIII-1968. The medioventral fan-shaped flap of aedeagus is apically more rounded than in *kohkoa* WHEELER, somewhat resembling that of *albomicans* DUDA.

Drosophila(Drosophila) sp.

1♂, Tataluan, 21-VIII-1968. Phallic and periphalic organs resemble those of *rubida* MATHER.

LITERATURE

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