

Israel Journal of Entomology Vol. V, 1971  
NOTE ON THE OCCURRENCE OF ANOPHELES SACHAROVII

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*Anopheles sacharovi* Favr (Diptera: Culicidae), is the single recorded representative of the *A. maculipennis* complex in Israel (Margalit and Tahori, 1970). This species was considered as the main malaria vector in Israel (Kligler, 1930), where it was breeding over wide areas along the Coastal Plain, Yezreel and Bet-Shean Vallies and the Central and Northern Jordan Valley (Saliternik, 1958). Since then *A. sacharovi* almost completely disappeared from the majority of its breeding areas in this country. Saliternik (1958a) found it to breed only in a restricted area of the Hula area in 1956 and it has not been reported in Israel since 1960 (Barkai and Saliternik, 1968).

During routine surveys of potential breeding places, carried out by antimalarial inspectors of the Tiberias District, May to November 1971, new breeding places were found in the Buteiha Valley (North-east of the Sea of Galilee). This region was not under Israeli administration prior to June 1967, and no information v/as available on *Anopheles* breeding in it. *Anopheles* larvae collected in this area, and from other localities around the Sea of Galilee, were received for identification. Three of 91 samples included larvae of *A. sacharovi* (Buteiha Valley- Ramot (spring), 16.5.1971; Ramot (swamp), 11.7.71; near entrance of Jordan into the Sea of Galilee (spring), 14.11.1971).

Other species collected in the Buteiha Valley were:

(arranged according to their relative abundance), *A. sergenti* (Theobald), *A. superpictus* Grassi, *A. coustani* Laveran, *A. algeriensis* Theobald. No breeding of *A. sacharovi* was found during this survey period in other regions of the country.

Barkai, A. and Z. Saliternik. 1968. Anopheline mosquitoes found breeding in Israel in 1963-1965 during the last stage of the malaria eradication project. Bull. Entomol. Res. 58:353-366.

Kligler, I.J. 1930. The epidemiology and control of malaria in Palestine. University Press, Chicago, Illinois, 240 pp.

Margalit, J. and A.S. Tahori. 1970. Mosquito species found in Israel during a survey 1955-1968. Israel J. Entomol., 5:151-159.

Saliternik, Z. 1958. Malaria and bilharzia and their vectors in: Atlas of Israel, the Department of Survey, Ministry of Labour and the Bialik Institute, The Jewish Agency, Jerusalem, 1956. (In Hebrew).

Saliternik, Z. 1958a. *Anopheles sacharovi* Favr in Israel. Riv. Parassit. 18:249-265.