TRAVAUX PUBLIÉS PAR DES MEMBRES DE L'UNION

MEIDELL (O.) †: *A Terrarium to Investigate Solitary and Parasitic Bees (Hymenoptera-Apidae) in an Artificial Climate.* **Universitet i Bergen, arbok 1958. Naturvitenskapelig rekke Nr. 5, 16 pp. 6 figures, Bergen.**

An artificial terrarium is described and illustrated. Methods are mentioned for transferring the bees from the hibernaculum to the terrarium where they are exposed gradually to spring and summer temperatures. *Andrena clarkella* (Kirby) in the field confined to *Salix* blooming in April, will in the terrarium develop normal offspring in February. *Barbarea vulgaris* was used as a source of pollen. *Halictus calceatus* (Scop.) and *H. leucopus* (Kirby) are recorded as primitive social bees. *H. fratellus* Perez and *H. albipes* (Fabr.) are recorded as solitary bees. *Sphecodes crassus* Thoms. is a parasite of *H. calceatus* killing the host before laying its eggs. *Sph. hyalinatus* v. Hag. is a parasite of *H. fratellus* entering the nest while the host is in the field.

ASTRID LÖKEN

LÖKEN (A.): *Pollination Studies in Apple Orchards of Western Norway.* **Proceedings X. International Congress of Entomology-Vol. 4, 1956 (1958) 5 pp. 4 diagrams, 1 table, Ottawa.**

The variable fruit set in Gravenstein is evaluated in relation to pollinating insects. Diagrams present the number of bumble bees, honey bees, and solitary bees in relation to temperature, sun, and precipitation records. A table showing the number of clusters under observation, bee units, per cent fruit set, etc., for each tree each year is discussed. The research indicates that the number of pollinators is not the limiting factor for the variable fruit set.

THE AUTHOR

LÖKEN (A.): *Bombus sylvarum* v. *nigrescens* Pérez new to Norway (*Hymenoptera, Apidae*). **Norsk Entomologisk tidsskrift X. 1958. 3 pp. 1 map., Oslo.**

The present knowledge of the Norwegian occurrence of the melanotic variety and f. *typica* is given.

THE AUTHOR.