



Eva Crane Trust

ECTD_054a

TITLE: Bibliography on honeybees other than
Apis mellifera

SOURCE: *Bee World* 48(1): 8-15, 18

DATE: 1967

BIBLIOGRAPHY ON HONEYBEES OTHER THAN *APIS MELLIFERA*

Interest in the less known species of honeybees has grown in the last decade or so, and important comparative studies have been made of their anatomy, physiology and behaviour. These developments result partly from the expansion of research in some of the countries the bees inhabit, in south and east Asia, and partly from the speeding up of travel, which has enabled a research worker from another part of the world to study the bees after a journey of only a day or two. It therefore seems timely to put on record what has so far been found out about these bees.

The genus *Apis* comprises the honeybees. All *Apis* species build and store honey in a single flat comb or in a number of parallel combs. Taxonomists disagree as to the number of species into which the genus should be divided, and as to their names; these questions will not be finally resolved until much more work has been done. In this bibliography we use the most commonly applied names:

1. *Apis mellifera* or *mellifica*, the European bee, which is not covered here
2. *Apis indica*, the species inhabiting India and south-east Asia and known as the Indian bee
3. *Apis cerana*, the Japanese or Chinese bee, found in these countries and also on the Pacific coast of the U.S.S.R.
4. *Apis dorsata*, the giant or rock bee
5. *Apis florea*, the little bee.

It is likely that *indica* and *cerana* are the same species, but their environment and some characteristics are so different that it is convenient to separate them here. Both of them, and also *dorsata* and *florea*, probably exist in a number of subspecific forms, as *mellifera* does; much more knowledge is needed before their taxonomy can be properly worked out.

The bibliography is arranged under the headings given below; almost all publications are in the B.R.A. Library, and we should welcome knowledge of any others. We have not included information on forage plants of the *Apis* species as such, nor a number of minor references in *Bee World* and *Indian Bee Journal*; both these journals will repay close study, and the cumulative index to the first thirty volumes of *Bee World* makes part of this task easy. Where a publication has been summarized in *Apicultural Abstracts*, the serial number is given, e.g. A.A. 92/55.

1. All species
 - (a) general information
 - (b) comparative studies of a specific subject
 - (c) diseases and enemies
 - (d) products (honey and beeswax)
2. *Apis indica*
 - (a) anatomy
 - (b) physiology and behaviour
 - (c) beekeeping

3. *Apis cerana* (a) anatomy
(b) physiology and behaviour
(c) beekeeping
4. *Apis dorsata* (a) biology
(b) honey-getting
5. *Apis florea*

SECTION 1: ALL SPECIES

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