

Catalogue of the Tiger Beetles of Canada and the United States 1999 by Richard Freitag, NRC Research Press, Ottawa, ON. 195 pp. ISBN: 0-660-17640-8. Paper. \$39.95 Can.

Dr. Freitag has given us a remarkably comprehensive bibliography of the North American tiger beetle fauna. He includes over 2400 references, far more than I would have thought existed. For each subspecies and for each species in which subspecies are not recognized, there are the following entries: type locality; range within North America; synonyms, each with type locality, its sex and its type depository; and the same information for the type of the valid name. The remaining references are grouped under the following headings: immature stages, taxonomy, re-description (if applicable), biology, and habitat. The category "taxonomy" is interpreted relatively broadly to include mention in regional lists, locality records, inclusion in other bibliographies, among other types of works. The number of references to some of the commoner species is staggering; those for *Cicindela sexguttata* occupy almost all of two pages.

There is also a useful treatment of Cicindelinae as a whole, including about a hundred papers of broad scope with a code indicating the categories of information in each entry. There is a similar list for each genus. The species of *Cicindela* are listed in alphabetic order within each of Rivalier's genera (ranked as subgenera by Freitag). Some will be annoyed by this, finding a complete alphabetical treatment of *Cicindela* as a whole more convenient. As I am interested in the family tree of tiger beetles, I don't mind learning Rivalier's ideas.

It is an unfortunate fact of life that all comprehensive works are already out of date when they roll off the presses. This book is no exception: the most recent references within it date from 1997, and tiger beetle research continues to blossom, as can be confirmed by a glance at any recent number of the journal *Cicindela*.

Freitag's catalogue is a necessity for any entomologist contemplating work on tiger beetles. It would also be valuable for researchers with a broad interest in such topics as behavior, ecology, and evolution of insects in general. I prize it as a key to the North American tiger beetle literature, and I keep it next to the Bousquet and Laroche 1993 Catalogue of the Geodephaga. The Freitag work has a high standard of accuracy; I have been unable to locate a single typographical error (although, of course, I was unable to check every page number and date). He has found many rare and poorly known references. I recommend this catalogue enthusiastically and without reservations.

ROSS T. BELL
The University of Vermont
Department of Biology
Burlington, VT 05405 USA

Interrelationship Between Insects and Plants 1998 by Pierre Jolivet. CRC Press, Boca Raton, FL. 336 pp. ISBN 1-57444-052-7. Hard Cover. \$59.95 US

This book (336 pages, hardcover) describes the variety of relationships between insects and plants. Following a general introduction (Chapter 1) outlining the various types of plant-insect interactions, the subsequent chapters move into more detail on a range of topics, which are as follows:

2. Plant-feeding insects and arthropods of the geological past
3. An early twentieth century classification of food plant selection among phytophagous insects
4. Relationships between insects and fungi