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## BEES. THEIR VISION, CHEMICAL SENSES, AND LANGUAGE by Karl von Frisch

E C. Martin

*Michigan State University*

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### BOOK REVIEW

BEES. THEIR VISION, CHEMICAL SENSES, AND LANGUAGE. Karl von Frisch, the University of Munich. Revised edition. Cornell University Press, Ithaca, New York and London. 157 pages. \$7.50 ( 3.50), paperback \$2.45.

Karl von Frisch made a 3-month lecture tour through United States in 1949 on the initial invitation of Cornell University. His lectures, primarily concerned with vision and communication of honey bees, stimulated so much interest that they were put together in book form and published by Cornell University Press in 1950 under the above title. The 1972 revision, with 38 additional pages and revised figures and references brings this important little book up to date.

The book is of interest to entomologists and students of animal behavior as well as beekeepers and the general public. It is a pleasure to read and can be understood by the non-scientist. This is not a popular, romantic book about bees; it is a factual account of research on bee behavior but it is written with such clarity and precision that it is readily understood and a pleasure to read. A more complete, 566-page treatise "The Dance Language and Orientation of Bees" by von Frisch was published in German in 1965 and in English in 1967.

The research of von Frisch and his associates, on bee behavior, has had many important applications to beekeeping practices, particularly those relating to crop pollination. The book can be recommended for anyone's library but it provides an excellent opportunity for all zoologists and entomologists to become familiar with this fascinating field of study.

E. C. Martin  
Department of Entomology,  
Michigan State University,  
East Lansing, Michigan 48823