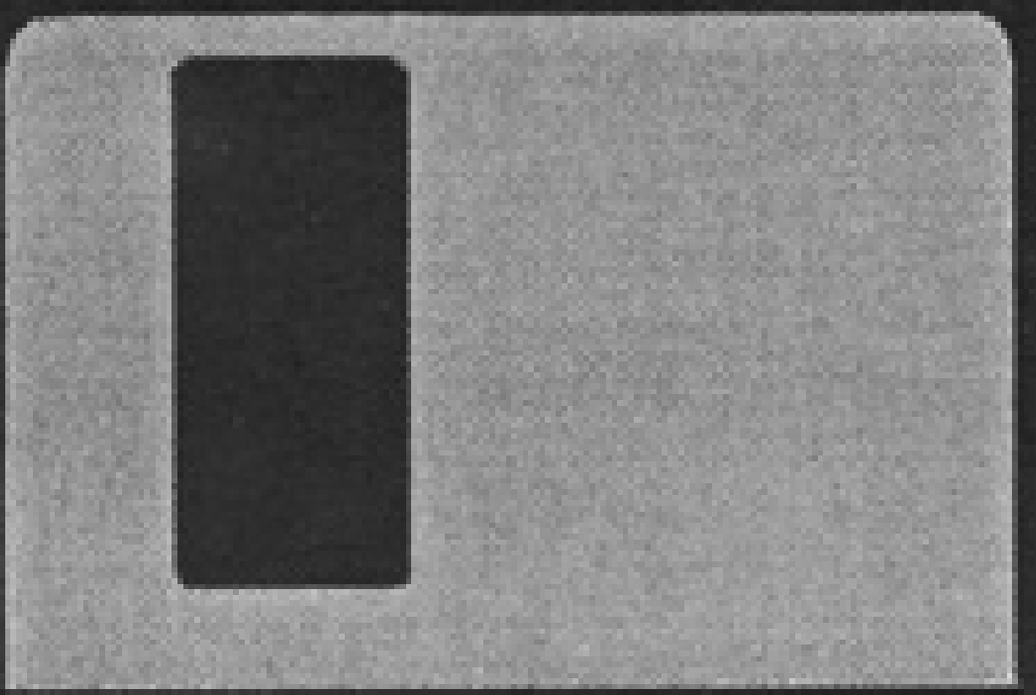
A COMPUTERIZED DICTIONARY OF ENTOMOLOGY



SYSTEM REQUIREMENTS

An IBM PC® or compatible computer with a minimum of DOS 2.11, 256K RAM, and one 3.5" or 5.25" disk drive. Use of a hard drive with 3 megabytes free is recommended (Installation instructions are included).

INTRODUCTION

The success of a social species---whether it walks on two legs or six---ultimately depends on good communication. To that end, prehistoric hominids invented spoken language; and ancient peoples, written. As the books from which the words in all others spring, rich with meaning, dictionaries were among the first forms of literature; and the progress of virtually every civilization on Earth has been reflected in and promoted by its development of dictionaries.

Likewise, the advancement of any science is utterly dependent upon mutual understanding.

The primary objective of this COMPUTERIZED DICTIONARY OF ENTOMOLOGY is to facilitate unambiguous communication between entomological writers and such readers as students, between entomologists in various subdisciplines, and between entomologists and their interdisciplinary counterparts (as in *integrated* pest management).

However, this is much easier said than done, given the complexity of entomology and its always intricate, often case-specific, and sometimes even self-contradictory vocabulary.

Thus, this dictionary not only provides clear definitions for almost 4,000 terms in all major subdisciplines of entomology---reflecting the usage in the literature, for better or worse---but also provides extensive context---invaluable for comprehension and rapidly accessed via electronic media. This COMPUTERIZED DICTIONARY OF ENTOMOLOGY is much more than a simple glossary.

FORMAT

A COMPUTERIZED DICTIONARY OF ENTOMOLOGY presents unique depth of coverage.

The entries in this dictionary present not only spellings, pronunciations, parts of speech (and plurals for nouns), and definitions but also appropriate context and exhaustive cross-references.

The spelling for each term represents either the standard spelling for that term or a common variation (in which case there is a cross-reference to the more common and/or proper spelling).

One or more pronunciations representing phonetic approximations to those in WEBSTER'S THIRD NEW INTERNATIONAL DICTIONARY OF THE ENGLISH LANGUAGE UNABRIDGED are included for every entry, given the great deal of regional and other variation in pronunciations that exists amongst even learned entomologists.

Parts of speech are indicated (verb, adverb, adjective, or noun); and although conjugations of verbs are not included (They typically follow standard rules of English), plurals for nouns (and for suffixes for nouns) are presented, especially because so many are formed in accordance with the rules of Latin.

Definitions are typically presented in common language, rather than in equally technical terms; and for better or worse, they reflect the usage as found in the literature (Please see the "Selected Bibliography", later in this brochure), including some examples of British vocabulary.

Ultimately, virtually all terms can be defined in terms of other terms, by comparing and contrasting them; and the liberal inclusion of contextual- and other cross-references within the text entries allows you great freedom to pursue your own "trains of thought"---with your lightning-fast computer microprocessor as your "locomotive"!

SCOPE

A COMPUTERIZED DICTIONARY OF ENTOMOLOGY presents a coherent study of 3,903 terms employed throughout a goodly variety of excellent, often classic references, representing the major entomological subdisciplines (Please see the "Selected Bibliography", later in this brochure).

As entomologists have become more and more specialized, a dictionary presenting and integrating their jargon has become more and more necessary (Please see the "Conceptual Indexes").

Until now, to find this information, you had to thumb through thousands of pages of glossaries, indexes, and text in dozens of books in the office, laboratory, or library; but with A COMPUTERIZED DICTIONARY OF ENTOMOLOGY, you can use a user-friendly program on your personal computer to quickly access a single database.

This dictionary is thorough but abridged. Although thousands of additional terms may be found in various glossaries and throughout the entomological literature, they tend to be either so general as to be found in general references or so specialized as to be defined by the specialized texts in which they are written or used only by specialists already familiar with them.

In particular, virtually all specific names---for people, organizations, pesticides, and organisms---are omitted (Whereas an unabridged dictionary of the entire English language contains some 450,000 words, there are over 750,000 named species of insects).

However, certain prefixes and suffixes routinely used by entomologists and other scientists in constructing or dissecting terms are included.

And giving you the greatest access to the vast database, the user-friendly program will allow your "train of thought" to not only go forwards but also backtrack, remembering up to 1,000 cross-references you visit!

CONCEPTUAL INDEXES

General Entomology

GENERAL SCIENCE & BIOLOGY
GENERAL SYSTEMATICS
GENERAL ANATOMY

External Anatomy

THE EXOSKELETON IN GENERAL
THE HEAD PROPER
THE ANTENNAE
THE MOUTHPARTS
THE THORAX PROPER
THE LEGS
THE WINGS
THE ABDOMEN

Internal Anatomy & Physiology

THE ENDOSKELETAL & MUSCULAR SYSTEMS
THE DIGESTIVE & EXCRETORY SYSTEMS
THE CIRCULATORY SYSTEM

THE RESPIRATORY SYSTEM
THE NERVOUS SYSTEM
THE HORMONAL SYSTEMS
THE REPRODUCTIVE SYSTEMS

Ontogeny: Development
GENETICS & EMBRYOLOGY
METAMORPHOSIS
LIFE CYCLES

Ethology: Behavior
BEHAVIOR IN GENERAL
SOCIAL BEHAVIOR

Ecology & Economic Entomology
THE ENVIRONMENT
DEFENSE & INJURY
ECOLOGY & IPM
PESTICIDES IN GENERAL
INSECTARIES & INSECT-COLLECTING
APICULTURE, SERICULTURE, ETC.

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"A COMPUTERIZED DICTIONARY OF ENTOMOLOGY"

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