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Review of Volume 1

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BIOLOGICAL EFFECTS OF MAGNETIC FIELDS*

Volume 2

Edited by **Madeleine Barnothy**

Department of Chemistry
University of Illinois
Chicago, Illinois

A lucid and well-documented volume prepared by eminent scientists, this work discusses the importance of the biomagnetic effect in such diverse areas as cancer research, hormonal balance of organisms, genetic coding, and manned space flight. It meets the ever-increasing demand for material in biomagnetics by providing thorough information on and discussion of the magnetic properties of biological materials and detailed description of all types of available magnets and their applicabilities to various experimental situations. Carefully screened, up-to-date bibliographical references, and critical reviews and resumes of experimentation being conducted in the field add to the comprehensiveness of this new volume. The data compiled will be particularly valuable in the advancement of new experimental concepts and interpretations of already established biomagnetic effects.

CONTENTS: Introduction, **M. F. Barnothy** • Magnets in biological research, **R. A. Abler** • Effects of near-zero magnetic fields upon biological systems, **C. C. Conley** • The effects of magnetic fields on DNA synthesis by ascites sarcoma 37 cells, **L. D'Souza**, **L. G. Nutini** and **E. S. Cook** • Effect of strong inhomogeneous magnetic fields on serum-free cell cultures, **R. W. Pumper** and **J. M. Barnothy** • Effects of magnetic fields on cellular respiration, **E. S. Cook**, **J. C. Fardon** and **L. G. Nutini** •

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Volume 2**

Edited by Madeleine Barnothy

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