ISSN 0073-6767

1885

Proceedings of the

Indiana Academy of Science

Volume 103

Number 1-2

The PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE is a quarterly journal dedicated to promote scientific research and the diffusion of scientific information; to encourage communication and cooperation among scientists; and to improve education in the sciences.

EDITOR

Gary E. Dolph Indiana University Kokomo 2300 S. Washington St. Kokomo, Indiana 46904-9003

EDITORIAL BOARD

Hans O. Andersen Indiana University

Rita Barr Purdue University

Ernest É. Campaigne Indiana University

William R. Clark Ball State University

Donald R. Cochran

Ball State University

Robert F. Dale Purdue University Kara W. Eberly

St. Mary's College Uwe J. Hansen

Indiana State University

Daryl R. Karns

Hanover College
N. Gary Lane
Indiana University

Paul C. MacMillan Hanover College Wilton N. Melhorn Purdue University

Paul Rothrock Taylor University

Alfred R. Shmidt

Rose Hulman Institute of Technology

Thomas P. Simon

United States Environmental Protection Agency

Paul M. Stewart

Indiana University-Purdue University Fort Wayne

Michael Tansey Indiana University

Robert D. Waltz

Indiana Department of Natural Resources

J. Dan Webster Hanover College Harmon Weeks Purdue University

John O. Whitaker, Jr. Indiana State University

EXECUTIVE COMMITTEE

Wayne P. Mueller President

President University of Evansville
President-Elect College of Mt. St. Joseph

James D. Haddock

Gene Kritsky

Secretary

Indiana University-Purdue University

Fort Wayne

Edward L. Frazier

Treasurer

5007 W. 14th Street, Speedway

Gene Kritsky

Director of Public Relations

College of Mt. St. Joseph

Gary E. Dolph Duvall A. Jones Editor of *The Proceedings*Immediate Past President

Indiana University Kokomo
St. Joseph's College, Rennselaer

C. W. Lovell

Executive Officer

Purdue University

EXCHANGE ITEMS: Items sent in exchange for *The Proceedings* and correspondence concerning exchange arrangements should be sent to the Indiana Academy of Science, John S. Wright Memorial Library, 140 North Senate Avenue, Indianapolis, Indiana 46204.

REPRINTS AND PERMISSIONS: Write to Executive Officer, School of Civil Engineering, Purdue University, West Lafayette, IN 47907

EDITORIAL CORRESPONDENCE: All matter for publication should be addressed to the Editor.

PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE

Founded 29 December 1885

Volume 103 Number 1-2 1994

Published at Lafayette, Indiana April 25, 1997

PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE

Volume 103, No. 1-2 (1994)

CONTENTS

BOTANY J.L. Blum. <i>PARALEMANEA</i> SPECIES (RHODOPHYCEAE) IN CALIFORNIA1
R.W. Dolan. EFFECTS OF A PRESCRIBED BURN ON TREE- AND HERB-LAYER VEGETATION IN A POST OAK (QUERCUS STELLATA) DOMINATED FLATWOODS
CHEMISTRY J.A. Ricketts. THE CHEMICAL CHARACTERIZATION OF ORGANIC FUNCTIONAL GROUPS: AN EXPERIMENT FOR THE ADVANCED HIGH SCHOOL CHEMISTRY LABORATORY
ENGINEERING N.I. Johansen. REPEATED LOADING OF THE SALEM LIMESTONE (INDIANA LIMESTONE; MISSISSIPPIAN)
GEOLOGY AND GEOGRAPHY R. Boneham. RADON IN THE SOILS OF MARION COUNTY, INDIANA 53
HISTORY OF SCIENCE A.A. Lindsey. THE INDIANA ACADEMY OF SCIENCE AND THE EARLY PRESERVATION OF NATURAL AREAS
S.A. Minton. HISTORY AND STATUS OF HERPETOLOGY IN INDIANA71
F.N. Young. ALFRED CHARLES KINSEY AS AN ENTOMOLOGIST
SCIENCE EDUCATION S. Kendall-Eagleson and G.E. Dolph. ON THE HUMAN CONDITION: COUNTDOWN TO 2015
ZOOLOGY
R.L. Drumm, A. Cartwright, and B. Ford. EFFECTS OF RAINFALL AND TEMPERATURE ON WEIGHT GAIN IN THE BIG BROWN BAT, EPTESICUS FUSCUS. 93
ACADEMY BUSINESS
INDIANA ACADEMY OF SCIENCE COUNCIL MINUTES, NOVEMBER 4, 1993
INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES,
NOVEMBER 4, 1993
FEBRUARY 5, 1994
INDIANA ACADEMY OF SCIENCE EXECUTIVE COMMITTEE MINUTES,

