Editorial Board & Iowa Academy of Science Officers and Directors
EDITORIAL BOARD

Editors-in-chief: Marilyn D. Bachmann
Dept. of Animal Ecology
Iowa State University, Ames, IA 50011
Phone (515) 294-2460

Roger W. Bachmann
Dept. of Animal Ecology
Iowa State University, Ames, IA 50011
Phone (515) 294-8801

Managing Editor: Paul E. Rider
Dept. of Chemistry
Univ. of Northern Iowa,
Cedar Falls, IA 50614
Phone (319) 273-2021

Associate Editors:

Agricultural Sciences: Richard M. Shibles
Dept. of Agronomy
Iowa State University, Ames, IA 50011
Phone (515) 294-7232

Botany: Donald R. Farrar
Dept. of Botany
Iowa State University, Ames, IA 50011
Phone (515) 294-4846

Conservation: Louis B. Best
Dept. of Animal Ecology
Iowa State University, Ames, IA 50011
Phone (515) 294-7477

Geological Sciences and Anthropology/Archeology: Paul L. Garvin
Dept. of Geology
Cornell College, Mt. Vernon, IA 52314
Phone (319) 895-8811

Physical Sciences and Mathematics: Bruce Friedrich
Dept. of Chemistry
University of Iowa City, IA 52242
Phone (319) 335-1367

Social Sciences and Education: William D. Klpec
Dept. of Psychology
Drake University, Des Moines, IA 50311
Phone (515) 271-2317; 271-2876

Zoology: Nixon Wilson
Dept. of Biology
University of Northern Iowa,
Cedar Falls, IA 50614
Phone (319) 273-2010

IOWA ACADEMY OF SCIENCE OFFICERS AND DIRECTORS

President
PAUL CHRISTIANSEN
Cornell College

President-Elect
RUTH W. SWENSON
Iowa State University

Past-President
LENORE T. DURKEE
Grinnell College

Executive Director
PAUL E. RIDER
University of Northern Iowa

Associate Director of Meetings and Programs
GARY E. DOWNS
Iowa State University

1989
ARTHUR BOSCH
Central College

DONALD KOCH
Iowa Geological Survey

1990
BRUCE W. MENZEL
Iowa State University

SAMUEL J. TUTHILL
Amana

1991
WILLIAM A. DESKIN
Cornell College

ALAN ORR
University of Northern Iowa