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. Klipec
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 WAYNE ANDERSON
University of Northern Iowa

President-Elect LUTHER E. ERICKSON
Grinnell College

Past President RUTH W. SWENSON
Iowa State University

Executive Director PAUL E. RIDER
University of Northern Iowa

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

1991 WILLIAM A. DESKIN
Cornell College

1992 ALAN ORR
University of Northern Iowa

ROSS IVERSON
Marshalltown

1993 MARILYN D. BACHMANN
Iowa State Univesity

PAUL L. GARVIN
Cornell College