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