

# The Journal of the Iowa Academy of Science: JIAS

---

Volume 97 | Number

Article 1


---

1990

## Cover - Table of Contents

Copyright © Copyright 1990 by the Iowa Academy of Science, Inc.

Follow this and additional works at: <http://scholarworks.uni.edu/jias>

 Part of the [Anthropology Commons](#), [Life Sciences Commons](#), [Physical Sciences and Mathematics Commons](#), and the [Science and Mathematics Education Commons](#)

---

### Recommended Citation

(1990) "Cover - Table of Contents," *The Journal of the Iowa Academy of Science: JIAS*: Vol. 97: No. 4 , Article 1.

Available at: <http://scholarworks.uni.edu/jias/vol97/iss4/1>

This Front Matter is brought to you for free and open access by UNI ScholarWorks. It has been accepted for inclusion in The Journal of the Iowa Academy of Science: JIAS by an authorized editor of UNI ScholarWorks. For more information, please contact [scholarworks@uni.edu](mailto:scholarworks@uni.edu).

JAN 17 1991

Volume 97  
December 1990

# JIAS

Number 4

## The Journal of the Iowa Academy of Science

### Table of Contents

<b>Richard Bovbjerg and The Iowa Lakeside Laboratory</b> Lannoo, M.J. ....	110
<b>Tell-tale Adaptations for Respiration and Rapid Escape in a Freshwater Oligochaete (<i>Lumbriculus variegatus</i> Mull)</b> Drewes, C.D. ....	112
<b>Changes in a Prairie Bird Population from 1940 to 1989</b> Bernstein, N.P., Baker, K.K., and Wilmot, S.R. ....	115
<b>Time to Metamorphosis as a Function of Larval Size in a Population of <i>Ambystoma tigrinum</i> Salamanders Consisting of Cannibal and Typical Morph Phenotypes</b> Lannoo, M.J., Sweet, M.P., Ladehof, N.M., Fangman, E.S., and Collins, W.B. ....	121
<b>The Effect of Harvesting on Macrophyte Regrowth and Water Quality in LaDue Reservoir, Ohio</b> Cooke, D.G., Martin, A.B., and Carlson, R.E. ....	127
<b>The Cladocera of Lake West Okoboji, Iowa - Revisted</b> Lang, K.L. ....	133
<b>Climatic Influences on Annual Variations in Water Transparency in Lake West Okoboji</b> Bachmann, R.W. ....	142
<b>Diatoms (Bacillariophyceae) From the Excelsior Fen-complex, Dickinson Co., Iowa, with the Description of Two New Taxa</b> Reimer, C.W. ....	146
<b>An Interpretation of Hustedt's Terms "Schattenlinie", "Perlenreihe" and "Hocker" Using Specimens of the <i>Cyclotella radiosa</i>-complex. <i>C. distinguenda</i> Hust. and <i>C. cyclopuncta</i> nov. sp.</b> Hakansson, H., and Carter, J.R. ....	153
<b>Plant Parasitic Fungi of Four Tallgrass Prairies of Northern Iowa: Distribution and Prevalence</b> Tiffany, L.H., Shearer, J.F., and Knaphus, G. ....	157
<b>Holocene Vegetational Changes in Eastern Iowa</b> Baker, R.G., Chumbley, C.A., Witinok, P.M., and Kim, J.K. ....	167
<b>The Mating Systems and Pollination Biology of Three Species of <i>Verbena</i> (Verbenaceae)</b> Cruden, R.W., Baker, K.K., Cullinan, T.E., Disbrow, K.A., Douglas, K.L., Erb, J.D., Kirsten, K.J., Malik, M.L., Turner, E.A., Weier, J.A., and Wilmot, S.R. ....	178
<b>A Summer Course in Invertebrate Developmental Biology at Iowa Lakeside Laboratory: A Unique Experience</b> Schutte, C.W., Witt, D.J., Janosek, N.Y., Robinson, D.E., Powell, E.C., and Brown, G.G. ....	184
<b>Eighty Years of Research at Iowa Lakeside Laboratory: A Bibliography</b> Baker, D.Z. ....	190
<b>Index for Vol. 97</b> .....	200