


1996

Index for Volume 103

Copyright © Copyright 1996 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

(1996) "Index for Volume 103," *The Journal of the Iowa Academy of Science: JIAS*: Vol. 103: No. 3-4 , Article 9.

Available at: <http://scholarworks.uni.edu/jias/vol103/iss3/9>

This Back 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.

or ethological history of a plant or animal with a subtle appreciation for how the organism is adapted to the Sandhills.

Part 3 ends the text with a brief history of the cattle industry and the introduction of irrigation, and Johnsguard addresses the problem of water contamination with farm chemicals.

There are 7 useful appendices that include a time scale of geologic events; checklists of vertebrates and vascular plants in relation to the ecological communities; a distributional checklist of birds; a listing of parks, preserves and natural areas; a cross reference of scientific and vernacular names; and a glossary. Although there are no citations within the text, Johnsguard provides an extensive bibliography of references, and there is both a subject and a species index. There are also 48 illustrations or diagrams, including several beautiful pen and ink illustrations of animals and plants.

Johnsguard is an ornithologist and ethologist, and compared to vertebrates and vascular plants there is little information about invertebrates or nonvascular plants. I also wondered about the title. While Johnsguard describes the environmental threats of irrigation and agricultural chemical contamination, I never got the sense of fragility as I read the book, and perhaps that his a tribute to his attempt to share his "love letter" with others as opposed to pontificating.

John Janovy Jr.'s book, *Keith County Journal* (1978, St. Martin's Press, New York) was my introduction to appreciation of the Nebraska Sandhills. Like Janovy's book, Johnsguard relates his sense of beauty and fascination to the reader, but Johnsguard also gives the biologist the background to discover the area for themselves.—NEIL P. BERNSTEIN, *Department of Biology, Mount Mercy College, Cedar Rapids, Iowa 52402.*

Jour. Iowa Acad. Sci. 103(3-4):85, 1996

INDEX FOR VOLUME 103

- Abraham, B.J. An Annotated Checklist of the Spiders of Northwestern Iowa and the Loess Hills of Western Iowa, 46-51
- Aconitum noveboracense*, 57-62
- Algific talus slopes, 57-62
- Anderson, R.R., see Seifert, K.E.
- Awards and Recognition, I.A.S., 1996, 80-83
- Best, L.B., K.E. Freemark, B.S. Steiner, and T.M. Bergin. Life History and Status Classification of Birds
- Breeding in Iowa, 34-45
- Bergin, T.M., see Best, L.B.
- Bernstein, N.P., *Review of This Fragile Land. A Natural History of the Nebraska Sandhills*, 84
- Birds
- Bald Eagle, wintering, 29-33
- Breeding, 34-45
- Life history, 34-45
- Black Hills
- Bracken, 74-79
- Biocontrol, 74-79
- Bowles, J.B., see Wilson, G.M.
- Bracken, 74-79
- Checklist of Instruction for Authors, Christiansen, J.L., see Vandewalle, T.J.
- DeLong, K.T. and C. Hooper. A Potential Understory Flora for Oak Savanna in Iowa, 9-28.
- Fern pathogen, 74-79
- Freemark, K.E., see Best, L.B.
- Fungal pathogen, 74-79
- Hooper, C., see DeLong, K.T.
- Gabel, A. and C. Salazar. Pathogenicity of *Septoria aquilina* Isolated from Black Hills Bracken, 74-79
- Geochemistry, 63-73
- Iowa
- Aconitum noveboracense*, 57-62
- Algific talus slopes, 57-62
- Bald eagles, wintering, 29-33
- Breeding birds, 34-45
- Des Moines River, 29-33
- Flora of Oak Savannas, 9-28
- Geochemistry, 63-73
- Loess Hills, 46-51
- Midcontinent rift, 63-73
- Northern monkshood, 57-62
- Northwest, 46-51
- River modification, 1-8
- Plains Pocket Mouse, 52-55
- Spiders, 46-51
- Turtles, 1-8
- Volcanic rocks, 63-73
- Well samples, 63-73
- Johnsguard, P.A., see Bernstein, N.P.
- Kuchenreuther, M.A. The Natural History of *Aconitum noveboracense* Gray (Northern Monkshood), a Federally Threatened Species, 57-62
- Lopatto, D. Review of Lewis Wolpert, *The Unnatural Nature of Science: Why Science Does Not Make (Common Sense)*, 84
- Midcontinent rift, 63-73
- Northern Monkshood, 57-62
- Oak Savanna, 9-28
- Perognathus flavescens*, 52-55
- Plains Pocket Mouse, 52-55
- Precambrian Geology, 63-73
- Pteridium aquilinum*, 74-79
- Ranunculaceae
- Aconitum noveboracense*, 57-62
- River
- Modification, 1-8
- Sabine, N., Bald Eagles Wintering Along the Des Moines River, Iowa, 29-33
- Salazar, C., see Gabel, A.
- Septoria aquilina*, 74-79
- Seifert, K.E. and R.R. Anderson. Geochemistry of Buried Midcontinent Rift Volcanic Rocks in Iowa: Data from Well Samples, 63-73
- Spiders
- northwestern and Loess Hills, 46-51
- Steiner, B.S., see Best, L.B.
- Submission guidelines, 85-87
- Turtles
- Species Richness, 1-8
- Vandewalle, T.J. and J.L. Christiansen. A Relationship Between River Modification and Species Richness of Freshwater Turtles in Iowa, 1-8
- Van Zee, J.W., see Wilson, G.M.
- Volcanic rocks, 63-73
- Well Samples, 63-73
- Wilson, G.M., J.B. Bowles, and J.W. Van Zee. Current Status of the Plains Pocket Mouse, *Perognathus flavescens*, in Iowa, 52-55
- Wolpert, Lewis, see Lopatto, D.