

114TH ANNUAL MEETING
The Ohio Academy of Science

Hosted by
Bowling Green State University
April 1-2-3, 2005

THEME:

*Ecosystem Changes in the Great Lakes:
Impacts from Every Direction*

A symposium is being planned on
Concentrated Animal Feeding Operations (CAFOs).

The All-Academy Lecture on April 2, 2005 will be given by

ROY A. STEIN, PhD
Aquatic Ecology Laboratory
Department of Evolution, Ecology, and Organismal Biology
The Ohio State University

DR. ROY A. STEIN received his B.S. from the University of Michigan in 1969, a M.S. from Oregon State University in 1971 and a PhD from the University of Wisconsin, Madison in 1975. In 1976 he was an Instructor, Department of Zoology, University of Wisconsin; 1976-82, Assistant Professor, Department of Zoology, The Ohio State University; 1982-87, Associate Professor, Department of Zoology, The Ohio State University; and 1987-present, Professor, Department of Zoology at The Ohio State University. His primary research interest is community ecology with a major emphasis on aquatic ecosystems. He is especially interested in how major ecological processes, such as competition (i.e., bottom-up forces), predation (i.e., top-down forces), and keystone species (i.e., intermediate, strong regulators, often in the middle of the food web) structure freshwater communities and in turn how these findings can be used to manage aquatic ecosystems.

The Ohio Academy of Science's Annual Meeting is for academic, governmental, and industry scientists and engineers, university and pre-college educators, and pre-college, undergraduate, and graduate students, and interested lay citizens in the Ohio region. Annually the several hundred scientific presentations are complemented by workshops, symposia, an All-Academy Lecture, and field trips on local geology and plant sciences.

On the Web at <http://www.ohiosci.org>

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STONE LABORATORY'S SUMMER 2005 COURSE OFFERINGS

Introductory Courses

Open to college and select high school students. To qualify, high school students must have completed their sophomore year, be 15 years of age or older, and have completed one course of high school biology prior to the beginning of the course.

Week (Offered June 5 - August 20)

3 quarter credits; classes meet daily for one week

- Aquatic Biology (offered four times)
- Field-Based Oceanography
- Insect Biology
- Local Flora
- Study of Birds

Courses for Educators

For classroom teachers, non-formal educators, and education majors with junior rank or above by summer 2005.

Week (Offered June 5 - August 20)

3 quarter credits; classes meet daily for one week

- Aquatic Environmental Science for Teachers
- Curriculum Development & Evaluations for Great Lakes and Environmental Education
- Field Ecology
- Geologic Setting of Lake Erie
- Global Change Education
- Great Lakes Education Workshop
- Insect Biology for Teachers
- Local Flora for Teachers
- Ornithology for Teachers
- Principles of Oceanography for Science Teachers
- Stream Ecology for Teachers

Upper-Level Courses

For undergraduate and graduate students in biological sciences, education, and natural resources; professional biologists, and ecologists; and biology and general science teachers.

Term 1 Five weeks (June 19 - July 20)

5 quarter credits; classes meet three days a week

- Field Zoology
- Herpetology
- Ichthyology

Term 2 Five weeks (July 21 - August 20)

5 quarter credits; classes meet three days a week

- Aquatic Entomology
- Fish Ecology
- Limnology

Week 3 quarter credits; classes meet daily for one week

- Biocomplexity: Large Lake-Human Interactions
- Ecology and Management of Wetland Birds
- Field Ecology
- Lake Erie Sport Fishing

1-10 Days

- Current Topics in Environment & Engineering
1 quarter credit; 7-8 evening seminars
- Diagnostic Field Plant Pathology
3 quarter credits; 10 days
- Ichthyoplankton Identification Workshop
1 quarter credit; one day

Lake Erie Islands Photography Workshop

This is a special non-credit course (Digital camera required)

Open to the public (18 years and older), and college students as a non-credit course. Register directly through the Columbus Office.



Plan now to attend **STONE LAB** in 2005.

*For application materials, course descriptions, changes & updates, visit our web site or call **614.292.8949***

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*Jeffrey M. Reutter, Ph.D.,
Director*

