Back Matter
Summer 2002 Courses at Stone Laboratory

UPPER-LEVEL COURSES
Designed for undergraduate and graduate students in biological sciences, education, and natural resources; professional biologists, and ecologists; and biology and general science teachers.

Most classes meet three days a week for approximately five weeks
- Aquatic Entomology
- Digital & Field Techniques for Coastal Environment Studies
- Field Zoology
- Fish Ecology
- Great Lakes Maritime Studies
- Higher Aquatic Plants
- Ichthyology
- Limnology
- Waterfowl Ecology (daily for 1 week)
- Ichthyoplankton Identification Workshop (one day)

COURSES FOR EDUCATORS
Designed for classroom teachers, non-formal educators, and education majors with senior rank by summer 2002.

Classes meet daily for one week
- Aquatic Environmental Science for Teachers
- Curriculum Development for Environmental Decision-Making
- Geologic Setting of Lake Erie
- Insect Biology for Teachers
- Ornithology for Teachers
- Principles of Oceanography for Science Teachers
- Stream Ecology for Teachers

INTRODUCTORY COURSES
Open to college and select high school students.*

Classes meet daily for one week
- Aquatic Biology
- Field-Based Oceanography
- Insect Biology
- Local Flora
- Study of Birds

*To qualify, 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.

Stone Laboratory, The Ohio State University's island campus, is the Lake Erie research and teaching laboratory for the Ohio Sea Grant College Program. Located on the 6.5-acre Gibraltar Island in Put-in-Bay harbor, this facility is the oldest freshwater biological field station and research laboratory in the United States. Since its establishment in 1895, both students and professional biologists have conducted significant research focusing on the ecology of Lake Erie and the Great Lakes region.

Students earn college credit through classroom, laboratory, and field studies, while gaining a comprehensive background in freshwater systems and information on the unique environmental attributes of Lake Erie. At Stone Laboratory, participants will:

- Examine the ecosystem around Stone Laboratory with leaders in science who bring classroom concepts to life.
- Improve research skills with practical, hands-on experience in a living laboratory.
- Earn college credit while still in high school.
- Enhance teaching skills in environmental sciences.
- Live, study, and work on an island for one to 11 weeks.
- Get to know professors personally in small classes (12 to 20 people).
- Prepare for college, graduate school, a future career, and life.

Stone Laboratory also offers Workshops, Research, Conference, and Retreat Facilities.

The Ohio State University's Island Campus

F. T. Stone Laboratory, The Ohio State University, 1314 Kinnear Road, Columbus, OH 43212-1194
614/292-8949, Fax 614/292-4364 • www.sg.ohio-state.edu • Jeffrey M. Reutter, Ph.D., Director
Ohio State to host 54th Annual State Science Day

Schottenstein Center site of ‘academic championship’

COLUMBUS — The 54th Annual State Science Day will take place on May 11, 2002, at the Jerome Schottenstein Center on the campus of The Ohio State University.

Ohio State President William E. Kirwan, in a recent letter to Ohio Academy of Science Chief Executive Officer Lynn Elfner, lauded State Science Day as an exemplar of the important ways that Ohioans honor the extraordinary accomplishments of the many high school students and teachers who maintain the highest standards of inquiry-based science teaching and learning. State Science Day is the pinnacle of student originated, inquiry-based science education for Ohio’s students, Kirwan said.

The academic equivalent of a state athletic championship, this year’s event is one of the largest of its kind in the nation. Drawing from a base of 35,000 student participants at more than 1,000 local science fairs, approximately 850 seventh- to 12th-grade students from nearly 300 schools will be evaluated on their scientific research and communication skills. The students will compete for nearly 100 scholarships and awards valued at more than $150,000.

More than 40,000 students have participated in the annual event since it was first held in 1949. State Science Day is sponsored by The Ohio Academy of Science, American Electric Power, The Ohio Environmental Education Fund, and Roxane Laboratories. As event host, Ohio State will offer open houses for families and teachers by various academic departments and research centers. Sarah Sieling, who organizes Ohio’s Science Olympiad, is Ohio State’s Science Day site coordinator. Questions about State Science Day may be directed to Mr. Lynn Elfner, Executive Officer of the Ohio Academy of Science, at (614) 488-2228.

A web site has been established for information and updates. The URL is: http://statescienceday.osu.edu/

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A Resolution
by The Ohio Academy of Science

Advocacy for Teaching Cosmic, Geological and Biological Evolution
And Opposition to Forced Teaching of Creationist Beliefs such as "Intelligent Design"
In Public School Science Education

WHEREAS, it is a responsibility of The Ohio Academy of Science to preserve the integrity of science; and

WHEREAS, science is a systematic method of continuing investigation, based on observation, hypothesis testing, measurement, experimentation, and theory building, which leads to more adequate explanations of natural phenomena, explanations that are open to further testing, revision, and falsification, and while not "believed in" through faith may be accepted or rejected on the basis of evidence; and

WHEREAS, the theory of evolution, as presently defined, fully satisfies these criteria, especially when its teaching considers the remaining debates concerning its detailed mechanisms; and

WHEREAS, the Academy respects the right of people to hold diverse beliefs about creation that do not come within the definitions of science; and

WHEREAS, some Creationist groups are intent on imposing religious beliefs disguised as science upon teachers and students to the detriment and distortion of public education in the United States;

THEREFORE, BE IT RESOLVED that because "Creation Science" and "Intelligent Design" have no scientific validity, they should not be taught as science, and further that the OAS views legislation requiring such religious views to be taught in public schools, as though these were legitimate arguments against evolution that should be included as part of a so-called balanced treatment approach, to be a real and present threat to the integrity of education and the teaching of science; and

BE IT FURTHER RESOLVED that the OAS urges citizens, educational authorities, and legislators to oppose the compulsory inclusion in the curricula, the state competencies or proficiency tests for science education of religious beliefs that are not amenable to the process of scrutiny, testing, and revision that is indispensable to science.

BE IT FURTHER RESOLVED that the OAS urges citizens, educational authorities, and legislators to include, explicitly, cosmic, geological and biological evolution in the curricula, state competencies and proficiency tests for science education.

Revised and Approved February 28, 2000 by the Executive Committee of The Ohio Academy of Science; based on a similar resolution adopted by the Academy on April 23, 1982.

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