

Program Review 1995-1997

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FEBRUARY 1998



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FRANZ THEODORE STONE LABORATORY

PROGRAM REVIEW

1995-1997

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February 1998

EXECUTIVE SUMMARY

Stone Laboratory, founded in 1895 and located on the 6.5-acre Gibraltar Island in the harbor at Put-in-Bay, Ohio, is Ohio's Lake Erie laboratory, the oldest freshwater biological field station in the country, and the north coast campus of The Ohio State University. The last three years have been very productive at Stone Laboratory. Enrollment in the summer program of courses has been strong and in 1997 surpassed 200 students for only the fourth time in the history of the Laboratory (Figure 1). While the majority of our students come from Ohio State University, since 1990 our summer students have come from 40 different Ohio colleges, 22 out-of-state colleges, and 225 different high schools (Figures 2 and 3). Undergraduate enrollment remains strong, and in 1997 we set a record for the number of graduate students--71 (Figure 4). The number of credit hours taken each summer is holding steady near 1,000 (Figure 5), and efforts to enhance opportunities for women in science continue to bare fruit as we enroll more women than men (Figure 6). Efforts to expand the number and diversity of 1-week course offerings have been very successful, and we now have nine different 1-week courses with up to five sections per course, and eight 5-week courses. An experimental offering of one of the one-week courses for a group of students from the Young Scholars Program was very successful in 1997 and will be repeated and expanded to include the Minority Research Initiative in 1998.

During the spring and the fall, we offer a workshop/field trip program for students from grade 4 through adults. This program set new records for the number of groups and the total number of participants each year from 1995-1997 with over 100 groups and 4,000 participants in 1997 (Figures 7 and 8). The majority of these students are in grades 4 through 8 (Figure 9).

The demand for research space at the Laboratory continues to grow. Since 1995, a total of 53 principal investigators, from 27 different universities and agencies, have worked on 65 research projects, with 71 student assistants (Figure 10).

With the assistance of the Friends of Stone Laboratory, we have been able to increase the number of scholarships we award by 8% during the past three years, and the total amount awarded by 28%. Since 1995, additions to our endowments through deferred gifts as part of the donor's estate total over \$2,000,000. We have also received donations, which allowed us to construct a large gazebo/outdoor classroom (Waldock Gazebo), and a speaker's pavilion (Lakeview Pavilion).

I. INTRODUCTION

Franz Theodore Stone Laboratory, Ohio's Lake Erie Laboratory, is this nation's oldest freshwater biological field station, and the Lake Erie and North Coast Campus of Ohio State University. The Laboratory, originally called the Lake Laboratory, was created in 1895 when the Ohio State University Board of Trustees appropriated \$350 to build a second floor on the state fish hatchery in Sandusky. In 1903 the Laboratory moved to a new building at Cedar Point, then to the second floor of the State Fish Hatchery at Put-in-Bay in 1918, and finally to its current location on the 6.5-acre Gibraltar Island with additional holdings on South Bass Island, in 1929. At this time the name was also changed to the Franz Theodore Stone Laboratory in honor of the donor's father.

Lake Erie is biologically the most productive of the Great Lakes, and the Laboratory is ideally located near the boundary of the Lake's western and central basins--"the most favorable location in Ohio, possibly even in the Great Lakes basin," according to Julius F. Stone, who in 1925 donated Gibraltar Island to Ohio State University for teaching and research. Facilities at Stone Laboratory include a research building, a library, a 21-room laboratory/classroom building, a dining hall, five dormitory units, and the historic "Castle" residence of Cleveland/Philadelphia banker and Civil War financier, Jay Cooke.

Today, the Laboratory: provides a facility for year-round research (it has been called "the base for the research that saved Lake Erie"), develops and offers custom-designed Aquatic Science field trips and workshops for grades 4 through adult, offers college credit through a rigorous summer program of courses, and offers special conference facilities and speakers for groups interested in Lake Erie and the region's natural resources.

Dr. Jeffrey M. Reutter has been the Director since 1988. Since 1 July 1994, the Laboratory has been a part of the School of Natural Resources (Dr. Fred Miller, Director) within the College of Food, Agricultural and Environmental Sciences (Dr. Bobby D. Moser, Vice President and Dean).

This report briefly reviews the past three years, beginning with a brief program overview, followed by a discussion of the history of the Laboratory, and concludes with a more in depth discussion including "Milestones in the History of Stone Laboratory." The figures summarize the past three years and show comparisons to the previous seven, while the tables cover the period 1995-1997, adding to a similar 1995 report that covered the period 1988-1994.

II. OVERVIEW

EDUCATION

<u>Courses for College Credit</u>. Stone Laboratory began offering courses for college credit in 1896. Each summer Ohio State University offers 14-18 courses at Stone Laboratory. All courses take advantage of the Laboratory's unique location and capabilities (raw lake water is pumped directly into the classrooms and research laboratories) with a combination of lecture, laboratory, and field experience, and emphasize a hands-on approach to learning. Enrollment is limited to 12-20 students per course. The curriculum is rigorous with students in class from 8:00 AM to 4:00 PM six days per week.

Until 1990, the Laboratory offered courses only for upper level undergraduate and graduate students. In 1990, in an effort to join the drive to improve the quality of science and math education in Ohio and in this country, a program of introductory courses for college freshmen and sophomores was developed. This program is also open to superior high school students on a competitive basis, and allows them to gain college credit while still in high school. These new programs strive to make science exciting and to challenge the best young minds this country has to offer. Special courses are also offered for teachers with the goal of improving the quality of science education in our schools.

Teaching at Stone Laboratory, while a great honor, is very different from teaching on the main campus and requires a great deal of expertise, as few courses on college campuses are taught for eight hours per day with the opportunity to blend lecture, laboratory, and field work. We search throughout the state, region, and country to get the best faculty to teach at the Laboratory. In addition to faculty from Ohio State University, it would not be unusual in any given summer to find faculty members from institutions such as Bowling Green State University, Heidelberg College, Indiana University, Kent State University, Loyola University, Miami University, Otterbein College, Syracuse University, the University of Massachusetts, the University of Michigan, Wittenberg University and the American Museum of Natural History in New York. Student evaluations consistently rank Stone Laboratory courses as being far superior to courses taken at their home institutions.

Enrollment and interest in Stone Laboratory have increased significantly in the 1990s. During the 1980s average annual enrollment was approximately 57 students. From 1991-1997, average annual enrollment jumped to over 200 students—an increase of over 350 percent (Figure 1). Furthermore, from 1990-1997, students from 40 different Ohio colleges and universities, 22 out-of-state colleges and universities, and 225 different high schools participated in the Laboratory's courses (Figure 3).

Aquatic Science Field Trips, Workshops, and Conferences. During the spring and fall, we continue our efforts to enhance the quality of science education by offering custom-designed field trips and workshops for students from grade 4 to adults. These workshops range in duration from 1 to 3 days and generally include a science cruise on the Laboratory's research vessel, the *MV Bio-Lab*. The students collect samples using fish trawls, bottom samplers, plankton nets, electronic probes, etc. and return with them to the Laboratory, where the students are taught to use microscopes and analyze their

samples and data. The Laboratory is also used as a conference facility for groups of up to 100. In the past 10 years participation in the workshop program has increased from approximately 1,850 to over 4,000 students, annually.

RESEARCH

Research is conducted 12 months per year at Stone Laboratory, and the Laboratory's students are involved with many of the projects. From 1995-97, 65 different research projects were conducted at Stone Laboratory by 53 investigators (the average investigator worked at the Laboratory for two of the three years), with 71 student assistants, representing 27 different universities and agencies. In addition to coming from Ohio's colleges and universities, research scientists come from out-of-state institutions, state agencies, federal agencies, the private sector, city governments, and foreign countries.

Stone Laboratory is the shared research facility of the Great Lakes Aquatic Ecosystem Research Consortium (GLAERC), created in 1992 and composed of aquatic scientists at 12 Ohio colleges and universities: Bowling Green State University, Case Western Reserve University, Cleveland State University, Heidelberg College, John Carroll University, Kent State University, Miami University, Mount Union College, Ohio State University, Ohio University, the University of Toledo, and Wright State University. GLAERC enhances collaboration, cooperation, communication, and equipment and facility sharing to make Ohio's top scientists more competitive for federal funding and to allow them to better address the critical issues and problems affecting Lake Erie and Ohio's surface waters.

FRIENDS OF STONE LABORATORY

In 1981, a group of former Laboratory students, faculty, and individuals concerned with education and the well being of Lake Erie, formed the "Friends of Stone Laboratory." The goal of the Friends is to enhance the programs at the Laboratory and allow students in the future to enjoy the same opportunities they had. Many former Stone Laboratory students have said the Laboratory provided the best learning experience of their academic careers. They frequently cite the value of the hands-on approach to learning and the corresponding increase in retention of the information. The words of Benjamin Franklin are frequently used to emphasize this point: "Tell me, I forget. Show me, I remember. Involve me, I understand."

The Friends raise funds for scholarships, supplies and equipment, and they volunteer time and materials to keep the facilities in good repair. They created their first endowment in 1983 and have since created five more, and the total for all six endowments now exceeds \$250,000. These endowments, with additional contributions from organizations, clubs, industries, and individuals, support dozens of student scholarships each year.

III. STONE LABORATORY HISTORY

This section is modified from an article in the October 1994 issue of *Twine Line* by Maran Hilgendorf. Research for this article was conducted by Becky Vidra and Ohio State Archivist Bertha Ihnat. Information was obtained from various deeds, reports, and newspaper articles.

It was a time far different from our own. The commercial fishery on Lake Erie was still strong but would soon collapse. Automobiles were being perfected, and only a few roads in the largest of cities were paved. Only a few elite hotels had electric lights and toilets, and the motion picture industry was brand new. The x-ray was discovered, the typewriter and wireless telegraphy were just invented, and the botulism bacterium, *Clostridium botulinum* was isolated.

It was during this time--in 1894--that Professor David S. Kellicott, Chair of the Department of Zoology and Entomology, requested of then Ohio State University President Scott "the establishment in the near future of a lake laboratory at or near Sandusky and the creation of a State collection of fishes in Ohio . . . to afford an opportunity and a stimulus to instructors and students of biology to spend their vacations investigating living problems in biology, especially such as are connected with important industries like the fisheries."

On 2 September 1895, the Ohio State University Board of Trustees approved the project and appropriated the sum of \$350 for the construction of a second floor to the Sandusky Fish Hatchery Building. Kellicott and four graduate students conducted research during the next two summers until Kellicott's death.

Professor Herbert C. Osborn became chair and Laboratory director in 1899. Courses for credit were first offered in 1900, chiefly at the request of high school teachers who wished instruction in field biology. Fourteen students attended that first year.

"A more adequate location for field work with more laboratory space" was soon desired, so Osborn obtained a 50-year lease from Cedar Point Resort and for \$3,387 erected a frame building that was dedicated 2 July 1903. The number of students attending classes increased to 22 and research continued.

It soon became the policy that two members of the instructional staff were chosen from other institutions to "promote cooperation from the other colleges and universities and to attract students." This practice continued from 1902 throughout the first 50 years.

State Fish Hatchery officials at Put-in-Bay donated the second floor of their hatchery building to the Lake Laboratory in 1913 because Cedar Point had become so large and popular that it was no longer a desirable site for the Laboratory. For the next several years, most of the 20 or so students who attended each year were men who were housed and had their meals in a nearby cottage. Because of the hostilities of the First World War, attendance declined to an all-time low of two students in 1918.

From 1917 to 1937 Professor Raymond C. Osburn was Laboratory director. In 1920 he became a member of the advisory board of the Ohio Fish and Game Division. With this appointment he was able to arrange subsidies to conduct a fisheries survey in Ohio from 1920 to 1923. During this time, enrollment had grown to the point that they were "bursting at the seams."

On 6 July 1925, Julius F. Stone presented Gibraltar Island to The Ohio State University as a permanent home for the "Lake Laboratory," to be devoted to the purposes and uses of teaching and research. In

deeding the island to the University, Stone located the Laboratory in "the most favorable location in Ohio, possibly even in the Great Lakes basin."

In his letter to the Trustees, Stone stated that "with the enormous increase in population and with no indication of any diminution, it seems quite inevitable that human life will sooner or later press against the limit of subsistence, consequently every source of food supply must not only be conserved, but developed."

The University's Board of Trustees resolved that the Laboratory should thereafter be known as the Franz Theodore Stone Laboratory in honor of the father of Julius F. Stone. On 22 June 1929, the University formally opened the new 21-room Laboratory Building. According to Osburn, moving to Gibraltar Island would "permit more than twice as many students to attend."

In 1934, a committee appointed by Ohio State President Rightmire determined that the Laboratory should broaden its scope to include research and service in biology and human welfare. They also recommended that a full-time director and permanent staff should operate the Laboratory and that only graduate students be admitted for course work. This continued for nearly two decades, after which time the year-round program was discontinued because of such factors as logistical difficulties, limited facilities, years of economic depression, a second world war, and reduced state support and enrollment (only five students were enrolled in courses during the summer of 1955). Because of the enthusiasm and encouragement of former students, the Ohio State administration continued the summer course program under the direction of Professor Loren S. Putnam. For nearly three decades, approximately 18 courses were offered during two summer terms (5 weeks), with a capacity of 60 students.

After the retirement of Osburn, succeeding directors included Dwight M. DeLong, (1936-1938), Thomas H. Langlois (1938-1955), Loren S. Putnam (1955-1973), Charles E. Herdendorf (1973-1987), and Jeffrey M. Reutter (1988 to present).

By the late 1940s, after 50 years of operation, then retired Professor Osburn noted that students from "nearly every state in the Union" as well as students from Argentina, South Africa, and India had attended Stone Laboratory. "I hesitate to say how many doctor's and especially master's degrees have been completed on the work begun or completed at Stone Lab, and around 200 research papers have been published in connection with the work done at this laboratory."

In 1981, the Friends of Stone Laboratory was created to provide a way for former students to support the facility in its efforts to be not just the oldest, but the best, freshwater biological field station in the United States. This association raises awareness and funds for scholarships, research, and equipment.

In 1983, the University received \$1 million from the State Legislature for a sewage treatment plant, new housing for students and workshop participants; and for upgrading of the utility services, Dining Hall, and teaching laboratories. Construction of a 48-person, 12-unit housing facility was completed in 1986. During construction in 1985, Gibraltar House served as the Dining Hall. In 1989, the University received \$1 million dollars for erosion protection, new docks, a new water treatment plant on Gibraltar, and improvements in housing for faculty and research scientists.

Beginning in 1987, some courses were offered in either a 2.5-week or 5-week format. In 1990, introductory, one-week, courses were first offered to freshmen and sophomores and to superior high school students.

IV. 1995-1997 REVIEW

PERSONNEL

Dr. Jeffrey M. Reutter has been the Director of Stone Laboratory since 19 September 1988. Before that time he had served as Associate Director beginning in 1982, and as the Acting Director from 19 December 1984 to 31 December 1985 and from 1 November 1987 to 18 September 1988. Dr. David W. Garton was hired as the Associate Director on 1 November 1997. John R. Hageman has been the Laboratory Manager at Put-in-Bay since 1 May 1987. Jo Ann Damon retired as the Administrative Assistant in May 1996 and was replaced by Arleen Pineda. Arleen Pineda had been the Secretary in the Columbus office. When she became the Administrative Assistant, Kit Kilen was hired as the Secretary in Columbus. Maran Brainard Hilgendorf resigned as the Communications Coordinator in May 1997 and was replaced temporarily by Joe Banicki, who was replaced by Karen Ricker in January 1998. Tables 1-3 list the Laboratory's administrative staff, teaching faculty, graduate teaching associates, research staff, student assistants, and office and technical staff for each year.

OPERATIONAL CHANGES

A thorough internal and external review of the Stone Laboratory program was completed in 1988 and culminated with the signing of a "Plan of Action" for Stone Laboratory on 5 October 1988. Among other things, this "Plan" called for: (1) efforts to increase enrollment in credit courses taught at the Laboratory, (2) the institution of "a series of experimental calendars over the next few years with the eventual goal of a more flexible, innovative course calendar by 1991," and (3) the development of a teaching budget "sufficient to hire faculty for all courses scheduled for a given year."

<u>Reporting Structure</u>. The Director reported to the Dean of the College of Biological Sciences until 30 June 1990. During this period the Director did not have a teaching budget for the Laboratory, and, therefore, had to rely on the goodwill of various department chairs to agree to offer courses at Stone Laboratory and pay the faculty. During 1989 and 1990, negotiations were completed that ultimately resulted in a transfer of reporting lines to the Office of Academic Affairs beginning 1 July 1990 and the creation of a teaching budget for the Laboratory under the control of the Director. This gave the Director greater flexibility in determining the courses to be offered and in selecting faculty. However, the offering department still must approve the course offering, the faculty member selected, and the teaching assistant (TA). In some cases, the home department assigns the TA and provides part of the stipend. During the summer of 1990, half of the teaching budget came from the departments offering courses and half came from the Office of Academic Affairs. This budget was supported entirely by the Office of Academic Affairs from 1991 through 30 June 1994.

In an effort to reduce the number of units reporting to the Office of Academic Affairs, and as a result of university-wide restructuring, Stone Laboratory was moved to the College of Food, Agricultural and Environmental Sciences beginning 1 July 1994. In this college the Laboratory is part of the School of Natural Resources and continues to have its own teaching budget, which is passed each year from the Office of Academic Affairs to the College of Food, Agricultural and Environmental Sciences.

CURRICULUM

Stone Laboratory offered 11-14 courses yearly from 1988-1994. During the summers of 1988 and 1989, the Laboratory offered a relatively traditional group of 13 courses each year. With one exception, these were all graduate and upper-level undergraduate courses. In 1988 there were two offerings specifically for teachers, but only one offering for teachers in 1989. We experimented considerably with the curriculum from 1988-1991 offering 17 different upper-level, 5-hour courses. However, the curriculum has been much more stable since 1992 with a core of the same eight 5-hour courses offered each year (Tables 4-6). Currently about half of the faculty members are from Ohio State University and half are from other institutions.

Introductory Courses. In the late 1980s, several international reviews and evaluations ranked the quality of science and math education in this country, and the capabilities of our students in these subjects, very low--as low as 13th or 14th among world countries. One of the problems is that science frequently is not taught in an exciting fashion or by qualified individuals within many of our schools. Stone Laboratory accepted this problem as a challenge. We felt it was up to us to do our part to improve this situation, for clearly science could be taught in an exciting fashion to all age groups at Stone Laboratory. However, in order to have a program that addressed science education at all levels, we had two gaps to fill—we needed to create courses for lower level undergraduates (freshmen and sophomores) and more opportunities for teachers.

Until 1990, Stone Laboratory had offered courses only for upper level undergraduate and graduate students. It seemed unfair that the Laboratory was not available to freshmen and sophomores as they were striving to determine majors, and it was very common to receive calls from the parents of high school students inquiring about opportunities for their sons and daughters at the Laboratory. Unfortunately, with the exception of our spring and fall workshop/field trip program, there were no opportunities for these students at the Laboratory. This seemed to be a logical gap to fill if we were to achieve our goal of enhancing science education at all levels. Furthermore, if successful, courses for this audience could serve as a feeder system to our upper level courses, thereby increasing enrollment at that level also, and providing increased flexibility in the academic calendar as we work for full enrollment.

With this in mind, Dr. Reutter developed a 3-hour, 1-week Introductory Aquatic Biology course (Zoology 125) in 1990. While preference was given to students already in college, the course was also advertised through the Concurrent Enrollment Program at Ohio State so that superior high school students could also enroll and receive college credit while they are still in high school. Enrollment was so great that the course was offered twice and enough students were turned away to offer it two more

times. In 1991 four offerings of the course were planned, but again demand necessitated that it be offered five times, and again many students were turned away. The course was also offered four or five times each summer from 1992-97, and one of the five offerings in 1997 was limited to students from the Young Scholars Program at Ohio State.

In 1991, Dr. Reutter encouraged Dr. David Horn in the Entomology Department to develop Introductory Insect Biology (Entomology 126). In 1992, Dr. Reutter contacted Dr. Larry Krissek in the Geology Department who developed an Introductory Oceanography course (Geology 107). This course has been so successful that it was offered twice each summer in 1993 and 1994, and once each year from 1995-97. Also, in 1992, Dr. Reutter worked with John Condit in the Zoology Department to change our 5-hour, upper level ornithology course (Zoology 624) to a 3-hour Introductory Ornithology course (Zoology 126). Consequently, from 1992-94, four introductory level courses have been offered each summer, and in 1993 and 1994, due to multiple offerings of two of the courses, Stone Laboratory had a total of nine one-week introductory offerings. In 1996, Dr. Reutter worked with Dr. Robert Klips from the OSU Marion campus to develop an introductory course in Local Flora (Plant Biology 294).

<u>Courses for Teachers</u>. While it is very common for teachers to participate in all courses at Stone Laboratory, we have been working to develop more courses specifically for teachers. Due to the multiplier effect, enhanced teacher training could have a greater impact on the quality of science education in this country than our new introductory courses. Based on the success of his Introductory Oceanography course (Geology 107), in 1993 Dr. Krissek, developed a 3-hour, 1-week Oceanography course for teachers (Geology 584). As a result, we had three 1-week offerings specifically for teachers each year from 1993-95. Combining the teacher's courses with our introductory offerings resulted in 12 1-week offerings in both 1993 and 1994.

In 1996, Dr. Krissek, with the assistance of Dr. Ausich in Geology, offered a new course for teachers, "The Geological Setting of Lake Erie," Geology 583. This course was developed with assistance from the Lake Erie Protection Fund and the Ohio Sea Grant College Program and represented a new experiment for the Laboratory. The course, which has been very successful, begins at the Fawcett Center for Tomorrow on main campus on Saturday afternoon. The students drive to Stone Laboratory, spend one night and visit Kelleys Island on Sunday, and then go to the mainland. Each day they work their way east along the Lake Erie shoreline visiting geological features and staying in motels. The trip culminates at Niagara Falls.

PROMOTION AND OUTREACH

Enhancing and refining our promotion and outreach efforts has been a key to our success during this period. Initially, to both reduce costs and increase awareness we replaced the distribution of our large and expensive brochure with a less expensive flier and poster, which could be distributed much more broadly. Arleen Pineda maintains our mailing lists (over 21,000 fliers are distributed annually) with assistance from the Ohio Academy of Science, the Ohio Board of Education, Ohio Biological Survey, the Science Education Council of Ohio, and others. In the early 1990's other promotional activities included an annual open house at Ohio State, special lectures by Dr. Reutter to pre-med majors and

university college students in addition to special teachers' organizations, a GLAERC Colloquium at the Laboratory each summer, booths at the Ohio Academy of Science and State Science Day, and numerous other activities. In 1995, Dr. Reutter replaced the single, large open house on main campus with 4-6 mini-open houses conducted at different locations and at different times during the winter and spring. He also initiated guest lectures about the Laboratory in a number of Zoology, Biology, and Natural Resources courses during the winter and spring, in addition to special presentations for UVC advisors.

In 1996, with the assistance of the Friends of Stone Laboratory, we began offering scholarships at the Ohio Academy of Science's State Science Day. In 1996, we reviewed the projects of 33 students and awarded three scholarships covering room and board for a 1-week introductory level course at the Laboratory. The winners have three years to use the award. In 1997, we increased the number of scholarships to six. This has been a great opportunity to reward and recruit outstanding students.

GUEST LECTURES

During the period 1995-97, Stone Laboratory continued its regular schedule of Thursday evening guest lectures (Tables 7-9). With support from the Friends of Stone Laboratory, these lecturers are encouraged to spend additional time at the Laboratory and participate in some of the classes.

WORKSHOP PROGRAM

Stone Laboratory's custom designed Aquatic Science spring and fall workshop and field trip program for grades 4 through adults continues to flourish. From 1995-97 we hosted 298 groups with a total of 11,565 participants, or an average of 100 groups with 3,855 participants per year (Tables 10-12). In 1995 we set a record for the number of groups and the number of participants, as we surpassed 3,000 participants for the first time. We broke both records again in 1996, and then again in 1997 as we surpassed 4,000 participants—4,004 (Figures 7 and 8).

SCHOLARSHIPS

Between 1995 and 1997, 111 students received a total of \$32,414 in scholarship support to attend Stone Laboratory (Tables 13-15). These numbers have been gradually increasing. During the previous 3 years, 1992-1994, we awarded 102 scholarships totaling \$25,563.

ENROLLMENT

During the 1980s enrollment at Stone Laboratory averaged 55-60 students per year. This jumped to 114 in 1990, 169 in 1991, 209 in 1992, 234 in 1993, and 221 in 1994, 181 in 1995, 195 in 1996, and 209 in 1997 (Figure 1 and Tables 16-18).

V. FINAL SUMMARY AND PLANS FOR THE NEAR FUTURE

The development of our program of introductory courses and our new teachers courses, coupled with enhanced promotional efforts and a more targeted curriculum, has allowed enrollment at Stone Laboratory to almost quadruple since the 1980s (Figure 1). However, this growth has not come simply from an influx of high school students, as we have seen increases in the number of students of all types including students from Ohio colleges and universities, out-of-state colleges, and Ohio State University students (Figures 2 and 3).

As mentioned many times in this report, the academic program at Stone Laboratory focuses on science education for all ages--grade 4 through adults. Furthermore, while the enrollment of high school students and undergraduates has experienced great increases, graduate enrollment in the 1990s is also greater than in the 1980s, and in 1997 surpassed 70 students for the first time in history (Figure 4). Equally important is the increase in the number of female students at the Laboratory. In 1988 we initiated special efforts to attract women to Stone Laboratory. In 1986, the ratio of men to women was 3:1. As this country works to increase the number of women in science, it is important to note that since 1989, the number of women attending courses at the Laboratory has exceeded the number of men (Figure 6).

It is apparent that as the cost of a college education increases, fewer and fewer students are able to spend an entire summer at Stone Laboratory, and more students are enrolling for one course or one 5-week term. Nevertheless, the total number of credit hours taken at the Laboratory has still more than doubled since the 1980s (Figure 5).

PLANS FOR THE FUTURE

Renovation of Jay Cooke's castle will begin in 1998 with the replacement of the roof and windows. In April the Library will be moved from the main office in Bayview on South Bass Island to the third floor of Stone Laboratory on Gibraltar Island, by volunteers from the Friends of Stone Laboratory.

In 1997 we replaced all of our computers with 23 donated 386 machines from the OSU Research Foundation. In 1998, ten of these machines will be replaced with 486 machines, again from the Research Foundation.

In 1998 we hope to replace the Gibraltar II with a vastly superior research vessel from the Ohio Division of Wildlife. This vessel may cost up to \$60,000.

Enhancing communication capabilities at the Laboratory is a very high priority. We are hoping to have a direct line from the university in place very soon. Placing an Internet connection into each classroom is a very high priority, as we want to do distance learning/teaching from Stone Laboratory to classrooms throughout the state. In recent years maintaining high enrollments during second term has been difficult due to the late end date—many teachers and college students from schools on the semester system have to return to school before our second term is completed. In 1997 we experimented successfully by reducing second term from 5 to 4.5 weeks. In 1998, we will reduce both first and second terms to 4.5 weeks, which will allow us to conclude the entire summer program on 22 August rather than 29 August.

We experimented successfully with a special offering of Introductory Aquatic Biology for students in the Ohio State Young Scholars Program in 1997. We would like to expand this program in the future and plan on two offerings in 1998—one for the Young Scholars Program and one for the Minority Research Initiative.

VI. MILESTONES IN THE HISTORY OF STONE LABORATORY

- 1895 Professor David S. Kellicott, Chairman of the Department of Zoology and Entomology, presented a proposal to the University to establish a field station for the study of biology at Lake Erie. The University approved the project, appropriating \$350 for the construction of a second floor on the State Fish Hatchery in Sandusky.
- 1896 Professor David S. Kellicott was named the first director of the Lake Laboratory and operated the Laboratory for special studies during the summer.
- 1899 Professor Herbert C. Osborn was named the second director upon the death of Professor Kellicott.
- 1900 The first courses were offered at the Lake Laboratory.
- 1903 The University obtained a 50-year lease for property on Sandusky Bay at Cedar Point, erected a frame building at a cost of \$3,376 and moved the Lake Laboratory to this new site.
- 1918 The Lake Laboratory moved to the upper story of the State Fish Hatchery at Put-in-Bay on South Bass Island; an adjacent lot was purchased by the University.
- 1925 Mr. Julius F. Stone, Chairman of the Board of Trustees, acquired Gibraltar Island in Put-in-Bay Harbor from the Jay Cooke family and presented it to the University. In accepting the gift, the University changed the name to Franz Theodore Stone Laboratory in honor of Mr. Stone's father.
- 1926 The Laboratory was moved to Gibraltar Island and utilized the buildings then on the island, Cooke Castle (1865) and Barney Cottage (1907). A construction program, which included a new laboratory building, dining hall and two housing units, Stone Cottage and Gibraltar House, was initiated in 1926 and completed in 1930.
- 1928 "Periodic oscillations in Lake Erie," by Dr. F.H. Krecker, contribution number 1 of a new series of papers, was published by Stone Laboratory. Contributions 2 through 13 were published from 1929 to 1974.
- 1929 The Franz Theodore Stone Laboratory was formally dedicated.
- 1934 President George W. Rightmire appointed an Advisory Committee to study the Laboratory and plan for future development. The committee recommended expansion of the Laboratory's activities into multi-disciplinary studies, year-round operation, and appointment of a full-time director.

- 1936 Professor Dwight M. DeLong was named the fourth director, the first to be appointed to a full-time position. Professor Thomas H. Langlois served as assistant director from 1936 to 1938.
- 1938 Professor Thomas H. Langlois was named the fifth director upon the resignation of Professor DeLong.

The Franz Theodore Stone Laboratory was established as a regular department of the University, assigned to the President's Division. Full-time faculty positions for a fisheries biologist and a limnologist were approved; Drs. Charles F. Walker and David C. Chandler were appointed.

Peach Point Cottage was purchased by Mr. Julius F. Stone and donated to the Laboratory for use as faculty housing.

- 1939 Professor Milton B. Trautman joined the staff of the Laboratory.
- 1940 The Federal Fish Hatchery on Peach Point, South Bass Island, was transferred to the University. This facility included the main hatchery building (converted to principal research building of the Laboratory), superintendent's residence (converted to the Laboratory office and library) and a shop building.

Mr. Julius F. Stone donated a two-acre woodlot on Peach Point to the Laboratory.

- 1947 The Laboratory purchased a 37-foot steel research boat, the Bio-Lab.
- 1951 The Laboratory name was changed to the Franz Theodore Stone Institute of Hydrobiology.
- 1953 The Laboratory purchased a 30-foot passenger boat, the Gibraltar II.
- 1955 The Laboratory was renamed Franz Theodore Stone Laboratory, and became a program of the Natural Resources Institute, College of Agriculture and Home Economics. The year-round research program was suspended.

Professor Loren S. Putnam was named the sixth director upon the resignation of Professor Langlois.

- 1964 The bequest of Professor Mary D. Rogick permitted the purchase of two faculty housing units, Sycamore Cottage and Rogick Cottage, on Peach Point.
- 1966 The administration of Stone Laboratory was transferred to the new College of Biological Sciences.

The Jay Cooke Home (Cooke Castle) was designated a Registered National Historic Landmark by the U.S. Department of the Interior, National Park Service.

- 1967 The Hydrospheric Sciences Committee recommended establishment of a research center at Lake Erie.
- 1970 The Coast Guard Lighthouse on the south point of South Bass Island was transferred to the University and converted to a radiobiology laboratory and faculty housing unit.
- 1971 The Center for Lake Erie Area Research was established with facilities at Stone Laboratory.
- 1973 The summer instructional program suspended; the President's Task Force on Stone Laboratory recommended continuation of research and instruction at the Lake Erie field station.

Professor Charles E. Herdendorf was named the seventh director upon the retirement of Professor Putnam.

A lease agreement was negotiated with the U.S. Environmental Protection Agency for the 63foot research vessel *Hydra* to be docked at Stone Laboratory.

- 1974 The summer instructional program and year-round research staff were reinstated at Stone Laboratory.
- 1977 The Ohio Sea Grant Program was established with projects at Stone Laboratory.
- 1980 The 50th Anniversary of Stone Laboratory on Gibraltar Island was celebrated.
- 1981 The first meeting of the Friends of Stone Laboratory, a group of alumni and friends of the Laboratory concerned with contributing to and preserving its high academic quality, took place.
- 1982 The Ohio State University Board of Trustees held a summer meeting at Stone Laboratory; the Ohio General Assembly provided \$950,000 for capital improvements at Stone Laboratory.

Dr. Jeffrey M. Reutter is named Associate Director.

- 1983 A Scholarship Endowment was established by the Friends of Stone Laboratory.
- 1984 Sustaining and Visiting Professorship Endowments were established by the Friends of Stone Laboratory.

The Lake Erie Laboratory Visitors Center was created.

Ohio Sea Grant sponsored the first "State Legislature Day."

1985 Construction was initiated for the new Residence Hall, wastewater treatment plant, and renovations to the existing Stone Laboratory building and Dining Hall.

Dr. Jeffrey M. Reutter is named Acting Director from Dec. 84- Dec. 85.

Research Vessel Hydra returns to operation after two years, with line item support from the Ohio Legislature.

Students from Miami University, Oxford, Ohio are allowed to register for Stone Lab courses by enrolling at Miami, serving as a prototype for all state universities.

1986 New residence hall, Harborview, open for student occupancy.

John R. Hageman is named Laboratory Manager.

1987 Stone Laboratory Associates Program with other Ohio colleges and universities met for first time at Put-In-Bay.

Two-and-a-half week courses are offered for the first time.

Dr. Charles E. Herdendorf retired as Director.

Ohio Sea Grant conducts its fifth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

Dr. Jeffrey M. Reutter is named Acting Director.

1988 Dr. Jeffrey M. Reutter is named the Laboratory's eighth Director.

The program begins utilizing the week before the beginning of first term for a oneweek early offering, thereby expanding the original 10-week summer program to eleven weeks.

The Ohio State University is designated a "Sea Grant College" by the U.S. Secretary of Commerce.

Dr. David Garton's class from Ohio State University records the first official record of a zebra mussel in Lake Erie on 15 October while on a field trip at Stone Laboratory.

Ohio Sea Grant funds Dr. Garton on the first research project on zebra mussels on 15 November.

1989 Ohio Sea Grant conducts its sixth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

1990 Stone Laboratory is transferred from the College of Biological Sciences to the Office of Academic Affairs.

The first introductory level course (Introductory Aquatic Biology, Zoology 125) is offered at Stone Laboratory. Superior high school students can enroll and receive college credit while still in high school. Demand is so great that the course is offered twice and many students are turned away.

Enrollment reaches 119, surpassing 100 for the first time.

Half of the Laboratory's budget is provided by the Office of Academic Affairs thereby providing increased flexibility for the Director in developing an innovative new curriculum. The other half is still provided by the departments offering courses.

1991 Ohio Sea Grant conducts its seventh State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

Stone Laboratory's entire budget comes from the Office of Academic Affairs.

A second introductory course, Introductory Insect Biology (Entomology 126), is offered for the first time and demand for Introductory Aquatic Biology is so great that the course is offered five times.

Enrollment reaches 169, surpassing 150 for the first time.

Dr. Michael Ross, University of Massachusetts, is named the "Outstanding Visiting Professor."

1992 New introductory courses in ornithology (Zoology 126) and oceanography (Geology 107) are offered for the first time. Introductory Aquatic Biology is offered five times.

Enrollment reaches 209, surpassing 200 for the first time.

Dr. Ken Krieger, Heidelberg College, is named the "Outstanding Visiting Professor."

The Great Lakes Aquatic Ecosystem Research Consortium (GLAERC) composed of top aquatic scientists from Bowling Green State University, Case Western Reserve University, Heidelberg College, John Carroll University, Kent State University, Miami University, Mount Union College, Ohio State University, and the University of Toledo, is formed with Dr. Reutter as Director and Stone Laboratory as the shared research facility. 1993 Enrollment reaches 234.

Ohio Sea Grant conducts its eighth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

Dr. David Moore, Utica College of Syracuse University is named the "Outstanding Visiting Professor."

Erosion protection work is completed as is the new reverse osmosis water treatment system for the Laboratory's water supply.

1994 Franz and Kate Stone visit the Laboratory with their grandson Franz T. Stone.

Dr. C. Lavett Smith, American Museum of Natural History, New York, is named the "Outstanding Visiting Professor."

Reporting lines for the Laboratory change from the Office of Academic Affairs To the School of Natural Resources within the College of Food, Agricultural and Environmental Sciences.

1995 Ohio Sea Grant conducts its ninth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory which also serves as the official start of the Laboratory's Centennial Celebration.

The Friends of Stone Laboratory, with assistance from the College of Food, Agricultural and Environmental Sciences, place a new flagpole on the island.

The Stone Laboratory Hall of Fame is created and Franz and Kate Stone are The first to be inducted.

The Oakland Park Conservation Club is inducted into the Hall of Fame.

Former Directors Loren "Puttie" Putnam and Charles E. Herdendorf, and former Associate Directors John L. Crites and Ronald L. Stuckey are given distinguished service awards.

The Geologic Setting of Lake Erie (Geology 583), a one-week course for teachers, is offered for the first time.

The workshop program sets records with over 80 groups and over 3,000 participants.

Bobby D. Moser, Vice President and Dean of the College of Food, Agricultural and Environmental Sciences receives the first Superior Leadership Award.

Dr. Carmen Trissler, Wittenberg University, receives the Outstanding Visiting Professor Award. 1996 Waldock Gazebo and Lakeview Pavilion are built on Gibraltar Island using donations from Jack Waldock, longtime supporter of Ohio Sea Grant and Chair of the Northwest Ohio Sea Grant Advisory Committee.

The Centennial Celebration concludes with a program and gala during which time Jack Waldock and Bobby Moser place capsules into the base of Waldock Gazebo.

We receive resolutions and proclamations honoring the Laboratory from the Governor, Congress, the Ohio House of Representatives, the Ohio Senate, and the Ohio Board of Regents.

The workshop program sets new records for number of groups (100) and participants.

Former Directors Loren "Puttie" Putnam and Charles E. Herdendorf are inducted into the Hall of Fame.

Former Associate Director Walter E. Carey, and retiring Maintenance Supervisor, Timothy P. Luecke, receive Distinguished Service Awards.

Dr. Carmen Trissler, Wittenberg University, receives the Outstanding Visiting Professor Award for the second time.

1997 Ohio Sea Grant celebrates its 20th anniversary with its 10th State Legislature/Congressional Day on Lake Erie. It is also the 15 year anniversary of Ohio Sea Grant's first Congressional Day on Lake Erie in 1982.

New exterior lighting is placed on Gibraltar Island and new blackboards are placed in all of the classrooms.

The Gibraltar II is permanently taken out of service due to hull problems caused by age.

Introduction to Local Flora (Plant Biology 294) is offered for the first time.

The Ohio State University Young Scholars Program sends up an entire class of students for an offering of Introductory Aquatic Biology.

The workshop program sets records for the number of groups and participants for the third year in a row.

The Laboratory sets a record for the number of graduate students-71.

Dr. David W. Garton is hired as the Associate Director.

F. T. STONE LABORATORY

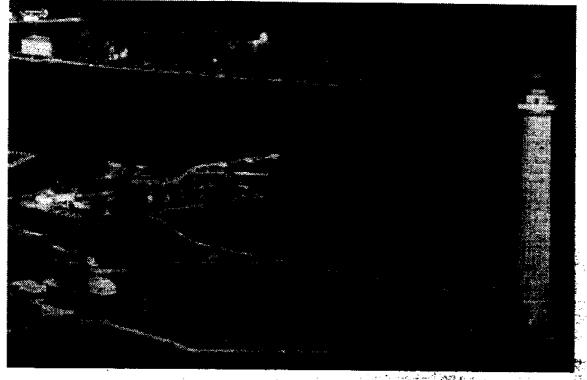
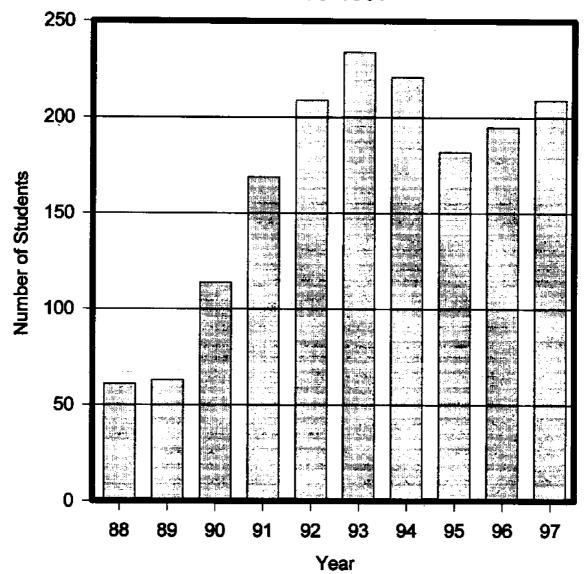


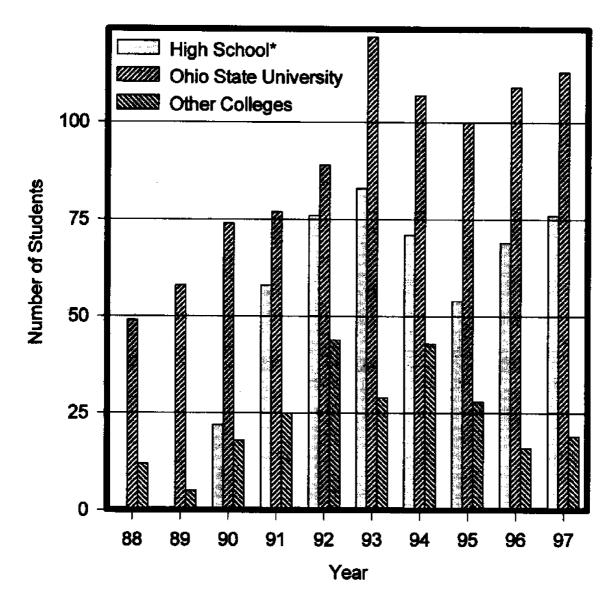


FIGURE 1

Total Student Enrollment at Stone Laboratory 1988-1997

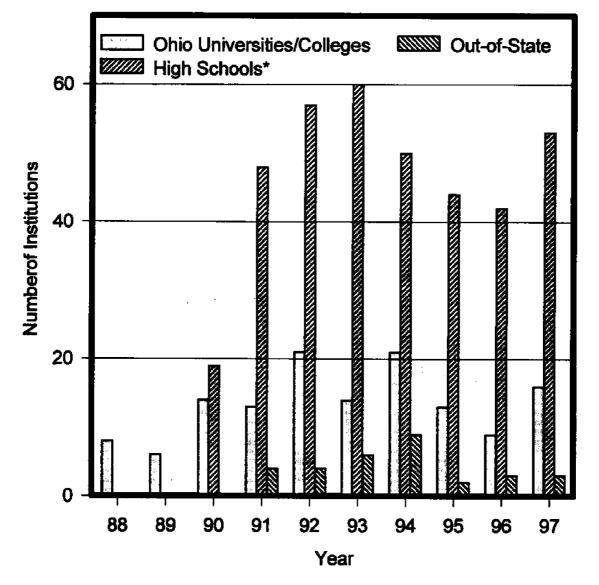


Number of Students Attending Stone Laboratory from High Schools, Ohio State University, and Other Colleges 1988-1997



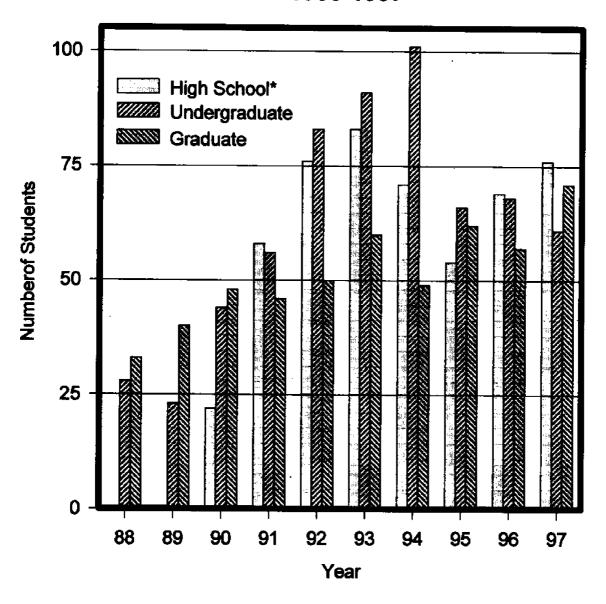
*Introductory courses for high school students began in the summer of 1990. These students enroll through Ohio State and receive undergraduate credit.

Number of Institutions Represented by Students at Stone Laboratory 1988-1997



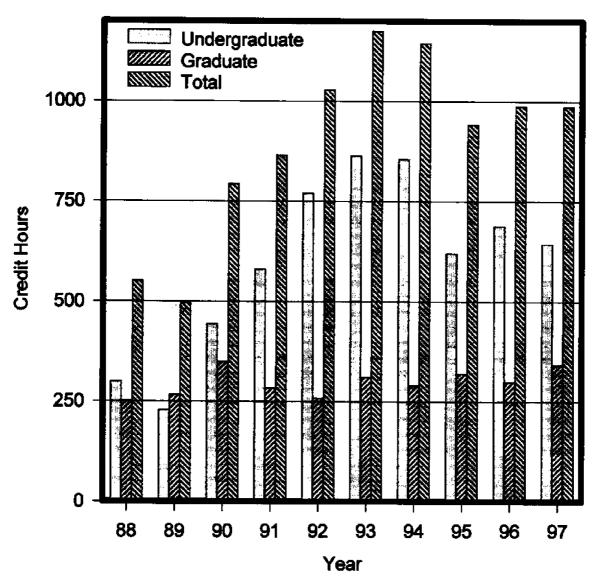
*Introductory courses for high school students began in the summer of 1990. These students enroll through Ohio State and receive undergraduate credit.

Number of Undergraduate, Graduate and High School Students Attending Stone Laboratory 1988-1997

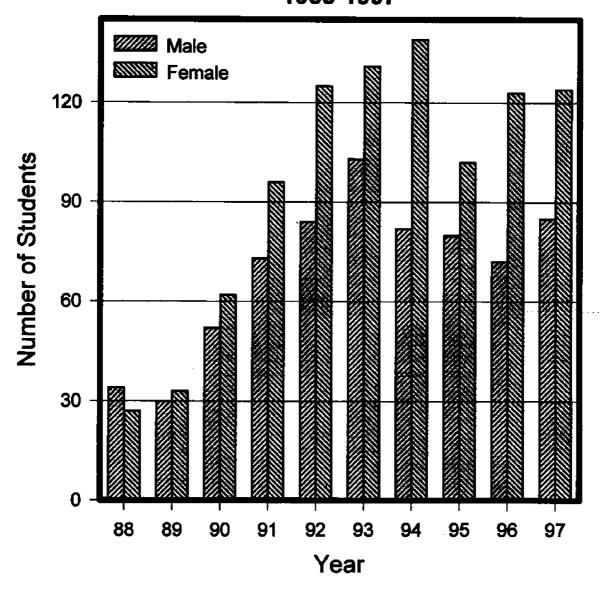


*Introductory courses for high school students began in the summer of 1990. These students enroll through Ohio State and receive undergraduate credit.

Credit Hours of Student Enrollment at Stone Laboratory 1988-1997



Number of Male and Female Students Attending Stone Laboratory 1988-1997



Stone Laboratory Workshop Program: Number of Groups 1991-1997

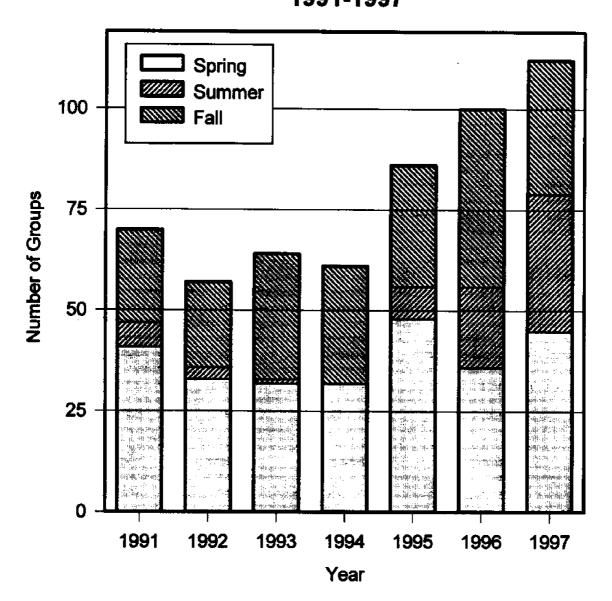
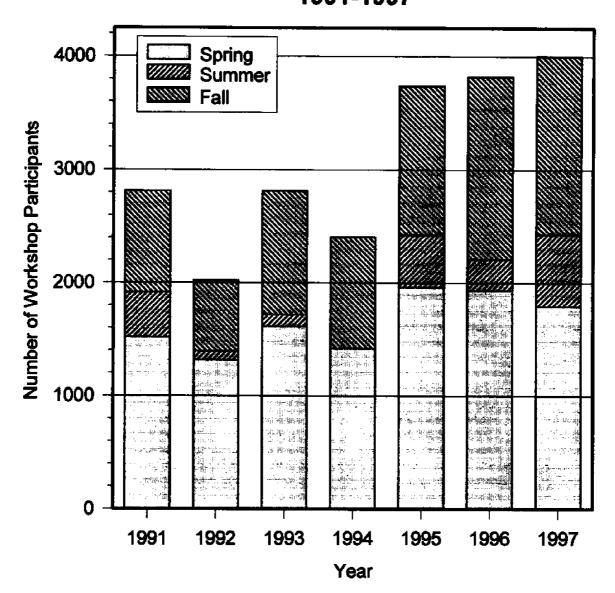
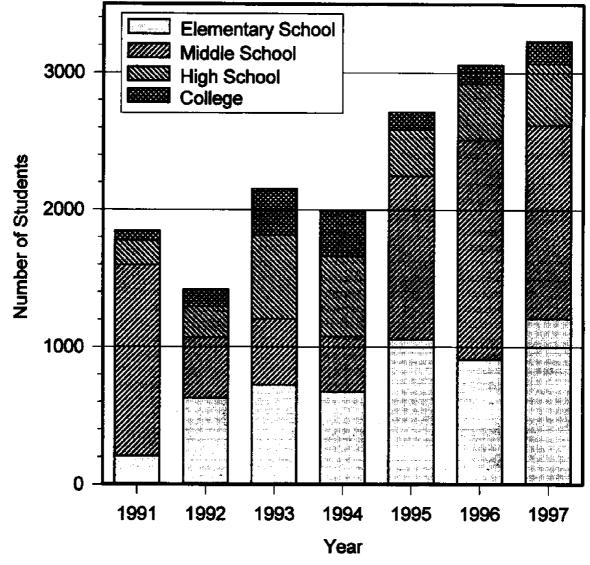


FIGURE 8

Stone Laboratory Workshop Program: Number of Participants 1991-1997

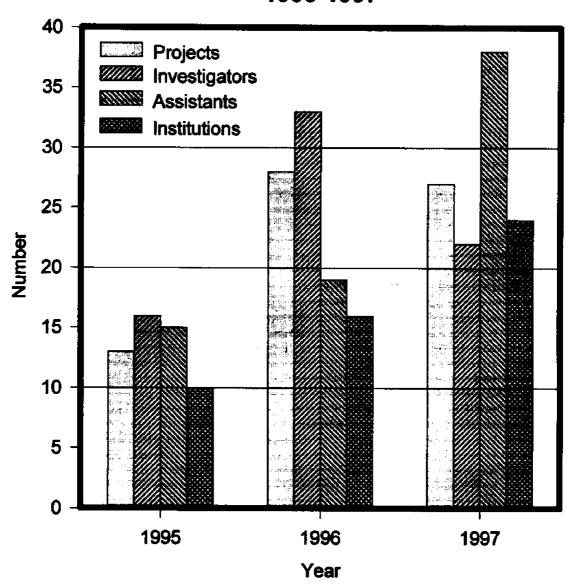


Stone Laboratory Workshop Program: Composition of Participating Students* 1991-1997



*Excluding adult groups

Research at Stone Laboratory: Number of Research Projects, Principle Investigators, Research Assistants, and Institutions 1995-1997



F. T. STONE LABORATORY

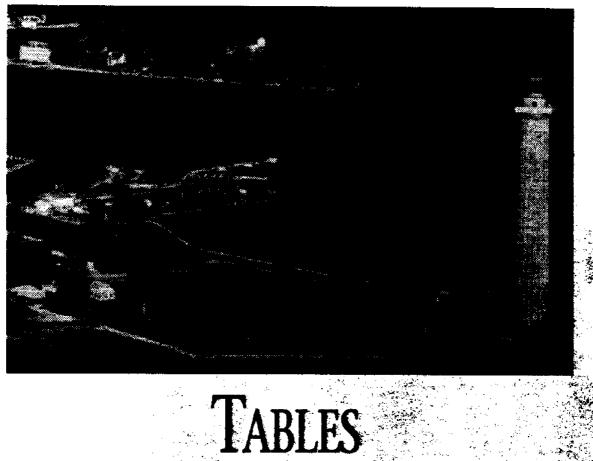


TABLE 1

Stone Laboratory Staff 1995

Administration

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Jeffrey M. Reutter	
Jenney IVI. Reduce	
John R. Hageman	
John K. Hageman	

Maran Brainard Jo Ann Damon
Suzanne Kostura
Timothy P. Luecke
Lisa A. Main
Elizabeth S. Morrow
John L. Tripp
Deborah L. Vallance
Diane S. Whitbeck

Director Laboratory Manager

Coordinator, Public Relations
Administrative Assistant
Laboratory Secretary (from 1/3/95 to 5/12/95)
Supervisor, Physical Facilities
Housing Manager
Laboratory Secretary (from 8/25/95)
Business Manager
Laboratory Secretary (from 5/18/95 to 9/11/95)
Assistant Director, Student Housing

Teaching Reculty		
William I. Ausich	Geol Sciences 694-Geologic Setting of Lake Erie	Aug 5 - Aug 11
David J. Berg	Zoology 125-Introductory Aquatic Biology	Aug 6 - Aug 12
Paul A. Berkman	Zoology 505-Marine Biology & Ecology	Jun 18 - Jul 22
John M. Condit	Zoology 126-Introduction to the Study of Birds	Jul 9 - Jul 15
Rosanne W. Fortner	Natural Resources 611- Great Lakes Education Workshop	Jun 10 - Jun 16
John E. Gannon	Zoology 653-Fish Ecology	Jul 23 - Aug 26
David W. Garton	Zoology 125-Introductory Aquatic Biology	Jun 10 - Jun 16
	Zoology 125-Introductory Aquatic Biology	Jun 25 - Jul 1
	Zoology 125-Introductory Aquatic Biology	Jul 2 - Jul 8
Michael A. Hoggarth	Zoology 651-Field Zoology	Jun 18 - Jul 22
David J. Horn	Entomology 611-Field Entomology	Jul 23 - Aug 26
David J. Jude	Zoology 653-Fish Ecology	Jul 23 - Aug 26
Kenneth A. Krieger	Zoology 652-Limnology	Jul 23 - Aug 26
Lawrence A. Krissek	Geol Sciences 107-Field-Based Intro to Ocean	Jun 10 - Jun 16
	Geol Sciences 107-Field-Based Intro to Ocean	Jun 18 - Jun 24
	Geol Sciences 694-Geologic Setting of Lake Erie	Aug 5 - Aug 11
	Geol Sciences 584-Prin of Ocean for Sci Teachers	Jul 23 - Jul 29
David L. Moore	Plant Biology 611-Higher Aquatic Plants	Jul 23 - Aug 26
Lowell R. Nault	Entomology 611-Field Entomology	Jul 23 - Aug 26
C. Lavett Smith	Zoology 621-Ichthyology	Jun 18 - Jul 22
Carmen E. Trisler	Entomology 612-Aquatic Entomology	Jun 18 - Jul 22
	Natural Resources 611- Great Lakes Education Workshop	Jul 30 - Aug 5

#### **Table 1** – 1995 cont'd

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Graduate Teaching Associ	ates
Mark E. Ashbaugh	Ichthyology
Paul F. Doherty	Introduction to the Study of Birds
Richard V. Jacko	Field-Based Intro to Ocean (w2)
Kristen E. Kudless	Field-Based Intro to Ocean (w1)
	Prin of Ocean for Sci Teachers
Lisa A. Kutschbach-Brohl	Aquatic Entomology
Diane L. Madison	Great Lakes Education Workshop (w1, w8)
Felix A. Martinez	Introductory Aquatic Biology (w1, w3, w4, w9)
Glenn E. Miracle	Field Zoology
Rebecca A. O'Flaherty	Higher Aquatic Plants
Scott A. Roush*	Limnology
Leslie K. Russo*	Fish Ecology
R. Christopher Stanton	Field Entomology
Skip J. Van Bloem	Marine Biology & Ecology

*non-graduate teaching associate

Student Research Assistants

Charles W. Latto Scott A. Roush Todd M. Semanco Derek S. Smith

## Student Assistants

Eduardo Acosta
Matthew L. Adkins
John C. Boggs
David A. Cachat
Wendy M. Hankle
Maureen S. Huch
Michael C. Pennington
William D. Raby
Adrienne E. Smith
Eric J. Tepe
Matthew A. Thomas
Chad R. Tussing
Justin G. York

Office, t1; t2 Laboratory, t1 mwf; t2 mwf Laboratory, t1 trs Laboratory, t2 trs Office, t2 trs Office, t1 mwf Laboratory, t1 mwf; t2 trs Bookstore, t2 mwf Library, t2 mwf Bookstore, t2 trs Laboratory, t2 mwf Library, t1 mwf Laboratory, t1 mwf

## Table 1 - 1995

## Office and Technical Staff

Suzanne L. Jenkins	Graphic Illustrator
Charles W. Latto	Courier
Arleen N. Pineda	Secretary

Workshop Assistants		
Eduardo Acosta	spring	fall
Matthew L. Adkins	spring	
Lisa A. Kutschbach-Brohl	spring	
William M. Monnett		fall
Karen N. Riddle	spring	fall
Matthew A. Thomas		fall
Amy S. Uher		fall
Deborah L. Vallance	spring	

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#### Stone Laboratory Staff 1996

Administration		
Jeffrey M. Reutter	Director	
John R. Hageman	Laboratory Manager	
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Maran Brainard	Coordinator, Public Relations	
Jo Ann Damon	Administrative Assistant (to 5/31/96)	
Timothy P. Luecke	Supervisor, Physical Facilities	
Lisa A. Main	Housing Manager	
Elizabeth S. Morrow	Laboratory Secretary	
Arleen N. Pineda	Program Coordinator (from 6/1/96)	
John L. Tripp	Business Manager	
Diane S. Whitbeck	Assistant Director, Student Housing	
Teaching Faculty		
David J. Berg	Zoology 125-Introductory Aquatic Biology	Jun 9 - Jun 15
	Zoology 125-Introductory Aquatic Biology	Jul 14 - Jul 20
Paul A. Berkman	Zoology 505-Marine Biology & Ecology	Jun 16 - Jul 19
John M. Condit	Zoology 126-Introduction to the Study of Birds	Jun 23 - Jun 29
Rosanne W. Fortner	Natural Resources 614-Marine and Aquatic Education	Jul 7 - Jul 13
	Natural Resources 690-Workshop in Environmental Educ	Jun 9 - Jun 15
John E. Gannon	Zoology 653-Fish Ecology	Jul 21 - Aug 23
David W. Garton	Zoology 125-Introductory Aquatic Biology	Jun 16 - Jun 22
	Zoology 125-Introductory Aquatic Biology	Aug 4 - Aug 10
	Zoology 651-Field Zoology	Jun 16 - Jul 19
David J. Horn	Entomology 611-Field Entomology	Jul 21 - Aug 23
David J. Jude	Zoology 653-Fish Ecology	Jul 21 - Aug 23
Kenneth A. Krieger	Zoology 652-Limnology	Jul 21 - Aug 23
Lawrence A. Krissek	Geol Sciences 694-Geologic Setting of Lake Erie	Aug 3 - Aug 9
	Geol Sciences 584-Prin of Ocean for Sci Teachers	Jul 21 - Jul 27
Decide Money	Geol Sciences 107-Field-Based Intro to Ocean	Jun 9 - Jun 15
David L. Moore	Plant Biology 611-Higher Aquatic Plants	Jul 21 - Aug 23
Lowell R. Nault	Entomology 611-Field Entomology	Jul 21 - Aug 23
P. Larry Phelan	Entomology 611-Field Entomology	Jul 21 - Aug 23
T.Keith Philips	Entomology 126-Introductory Insect Biology	Aug 11 - Aug 17
C. Lavett Smith	Zoology 621-Ichthyology	Jun 16 - Jul 19
Carmen E. Trisler	Entomology 612-Aquatic Entomology	Jun 16 - Jul 19
	Entomology 694-Insect Biology for Teachers	Jul 28 - Aug 3

## Graduate Teaching Associates

Carl (Skip) G. Danielson	Introductory Insect Biology
K. Jeffrey Danter	Marine and Aquatic Education
	Workshop in Environmental Education
Paul F. Doherty	Introduction to the Study of Birds
Michael Durkalec	Field Zoology
Emmett V. Glass	Field Entomology
Gouthaman Gopalan	Limnology
Fran A. Herlihy	Prin of Oceanography for Science Teachers
	Field-Based Introduction to Oceanography
Lisa A. Kutschbach-Brohl	Aquatic Entomology
	Insect Biology for Teachers
Emilie K. Martin	High Aquatic Plants
Felix A. Martinez	Marine Biology & Ecology
	Fish Ecology
Karen A. Mather	Introductory Aquatic Biology (w1, w2, w6, w9)
Matthew A. Thomas*	Ichthyology

*non-graduate teaching associate

#### Student Research Assistants

Michael Durkalec	t2 trs
Scott B. Heidrich	t2 mwf
Neal A. Rosenberg	tl trs
Amy S. Uher	t1, <b>t2</b>

### Student Assistants

Deepika Bhardwaj	Laboratory, t2 trs
Greta A. Burkart	Laboratory, t1 mwf
Gwen R. Christiansen	Office, t2 trs
Theresa L. Colson	Laboratory, t2 trs
Mario Covic	Laboratory, t2 mwf
Robert M. Kobza	Laboratory, t1 mwf
Tammy J. Mayberry	Office, t1 trs
Lisa M. McGalliard	Laboratory, t2 mwf
Colin C. O'Brien	Library, t1, t2
Heidi R. Shoup	Laboratory, t1 trs
Benjamin C. Williams	Laboratory, t1 trs
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## Table 2 – 1996 cont'd Office and Technical Staff

Cindy A. Hayter	Graphic Illustrator
Kathleen A. Kilen	Secretary (from 7/30/96)
Arleen N. Pineda	Secretary (to 5/31/96)
Amy S. Uher	Courier
Workshop Assistants	
Matthew L. Adkins	spring
Gregory K. Aldrich	fall
John C. Boggs	spring
Joseph P. McGarry	spring fall
Karen E. Morr	spring fall
Karen N. Riddle	spring fall
Matthew A. Thomas	fall

#### Stone Laboratory Staff 1997

Administration		
Jeffrey M. Reutter	Director	
John R. Hageman	Laboratory Manager	
Joseph E. Banicki	Coordinator, Public Relations (from 6/16/97 to 10/31/97)	
Maran Brainard	Coordinator, Public Relations (to 5/31/97)	
Robin K. Bulger	Laboratory Secretary (from 6/10/97)	
Allen J. Duff	Acting Building Maintenance Superintendent, F	hysical Facilities
Lisa A. Main	Housing Manager	
Elizabeth S. Morrow	Laboratory Secretary (to 6/30/97)	
Arleen N. Pineda	Program Coordinator	
John L. Tripp	Business Manager	
Diane S. Whitbeck	Assistant Director, Student Housing	
	, <b>C</b>	
Teaching Faculty		
William I. Ausich	Geol Sciences 583-Geologic Setting of Lake Erie	Aug 9 - Aug 15
David J. Berg	Zoology 125-Introductory Aquatic Biology	Aug 3 - Aug 9
	Zoology 125-Introductory Aquatic Biology	Aug 10 - Aug 16
John M. Condit	Zoology 126-Introduction to the Study of Birds	Jul 6 - Jul 12
Adria A. Elskus	Zoology 505-Marine Biology & Ecology	Jul 27 - Aug 27
Rosanne W. Fortner	Natural Resources 611-Great Lakes Education Workshop	Jun 22 - Jun 28
	Natural Resources 611-Great Lakes Education Workshop	Jun 15 - Jun 21
	Natural Resources 614-Marine and Aquatic Education	Jun 29 - Jul 3
John E. Gannon	Zoology 653-Fish Ecology	Jul 27 - Aug 27
David W. Garton	Zoology 652-Limnology	Jun 22 - Jul 25
	Zoology 125-Introductory Aquatic Biology	Jun 8 - Jun 14
	Zoology 651-Field Zoology	Jun 22 - Jul 25
David J. Horn	Entomology 611-Field Entomology	Jun 22 - Jul 25
David L. Johnson	Zoology 125-Introductory Aquatic Biology	Jun 15 - Jun 21
David J. Jude	Zoology 653-Fish Ecology	Jul 27 - Aug 27
Robert A. Klips	Plant Biology 294-Introduction to Local Flora	Jul 13 - Jul 19
Lawrence A. Krissek	Geol Sciences 107-Field-Based Intro to Oceanography	Jun 15 - Jun 21
	Geol Sciences 584-Prin of Oceanography for Sci Teachers	Jul 27 - Aug 2
	Geological Sciences 583-Geologic Setting of Lake Erie	Aug 9 - Aug 15
David L. Moore	Plant Biology 611-Higher Aquatic Plants	Jul 27 - Aug 27
Lowell R. Nault	Entomology 611-Field Entomology	Jun 22 - Jul 25
P.Larry Phelan	Entomology 611-Field Entomology	Jun 22 - Jul 25
T.Keith Philips	Entomology 126-Introductory Insect Biology	Aug 17 - Aug 23
C.Lavett Smith	Zoology 621-Ichthyology	Jun 22 - Jul 25
Frederick L. Snyder	Zoology 125-Introductory Aquatic Biology	Jul 20 - Jul 26
Carmen E. Trisler	Entomology 694-Insect Biology for Teachers	Jul 20 - Jul 26
	Entomology 612-Aquatic Entomology	Jul 27 - Aug 27

Table 3 - 1997 cont'd

Graduate Teaching Asso	tiates
Eduardo Acosta*	Introductory Aquatic Biology (w1, w2, w7, w9, w10)
Deepika B. Bhardwaj	Higher Aquatic Plants
K. Jeffrey Danter	Great Lakes Education Workshop (w2, w3)
Deborah L. Green*	Introduction to Local Flora
Felix A. Martinez	Ichthyology
	Marine Biology & Ecology
Karen A. Mather	Limnology
Maura A. Metheny	Field-Based Intro to Ocean
	Prin of Ocean for Sci Teachers
Chad D. Schone	Aquatic Entomology
R. Christopher Stanton	Insect Biology for Teachers
Robert D. Stark	Field Zoology
Matthew A. Thomas*	Fish Ecology

*non-graduate teaching associate

### Student Research Assistants

James A. Carey	t2 trs
Abigail A. King	tl trs
Michael C. Pennington	tl mwf
Heidi R. Shoup	t2 mwf

### Student Assistanta

James A. Carey	Bookstore, t1 tss
Elizabeth A. Carleton	Library, t1 trs; t2 mwf & trs
Ryan T. Lubbers	Laboratory, t2 mwf
Ryan T. Malott	Bookstore, tl mwf; t2 mwf
Jessica A. Metzger	Laboratory, t1 mwf
Jill A. Mizek	Laboratory, t1 trs
Kristin E. Pahys	Laboratory, t2 trs
Loucile B. Powers	Laboratory, t1 trs
David L. Severance	Laboratory, t1 mwf
Bradley A. Welch	Laboratory, t2 trs

## Table 3 – 1997 cont'd Office and Technical Staff

Graphic Illustrator
Courier/Office Assistant (to 7/24/97)
Secretary
Courier/Office Assistant (from 7/24/97)

Jessica L. Ferrato	spring	
Sean Hickey	spring	
Lisa A. Kutschbach-Brohl	spring	fall
Kristi Ontko	spring	
Michael C. Pennington		fall
Karen N. Riddle	spring	fall
Matthew A. Thomas		fall
Chad Tussing		fall

#### Stone Laboratory Curriculum 1995

#### **Entomology 611 * Field Entomology**

Term 2, July 23-August 26 ......Drs. David J. Horn & L.R. (Skip) Nault Emphasis on collection, identification, and field methods; field trips are made to various islands of Lake Erie and to the mainland. 5 credit hours.

#### Entomology 612 * Aquatic Entomology

Term 1, June 18-July 22...... Dr. Carmen E. Trisler Designed for preparation in the teaching of biology or for research on aquatic resources; emphasis on taxonomy and ecology of immature and adult aquatic insects. 5 credit hours.

#### Geological Sciences 107 * Field-Based Introduction to Oceanography

Week 1, June 10-June 16	Dr. Larry A. Krissek
Week 2, June 18-June 24	Dr. Larry A. Krissek
An introduction to the study of oceanography including fi	eld techniques providing
undergraduate credit for college students and advanced hi	gh school students. 3 credit
hours.	-

#### Geological Sciences 584 * Principles of Oceanography for Science Teachers

Week 7, July 23-July 29......Dr. Larry A. Krissek Origin, development and structure of oceanic basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanographic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 credit hours.

#### Natural Resources 611 * Great Lakes Education Workshop

Week 1, June 10-June 16......Dr. Rosanne W. Fortner Week 8, July 30-August 5.....Dr. Carmen E. Trisler Techniques and curricula for presenting interdisciplinary aspects of the oceans and Great Lakes in formal and nonformal education settings. 3 credit hours.

#### Plant Biology 611 * Higher Aquatic Plants

Term 2, July 23-August 26 ......Dr. David L. Moore Aquatic plants, other than the algae of the Great Lakes region; field and laboratory work on their identification and ecological and geographical relations. 5 credit hours.

#### Zoology 125 * Introductory Aquatic Biology

Week 1, June 10-June 16	Dr. David W. Garton
Week 3, June 25-July 1	Dr. David W. Garton
Week 4, July 2-July 8	
Week 9, August 6-August 12	
An introduction to field techniques and the study of aquatic biolog	gy providing
undergraduate credit for college students and advanced high scho	ol students. 3 credit
hours.	

#### Zoology 126 * Introduction to the Study of Birds

#### Zoology 505 * Marine Biology and Ecology

#### Zoology 621 * Ichthyology

Term 1, June 18-July 22......Dr. C.Lavett Smith Study of the distribution and classification of fishes which includes methods of identification, collection, and preservation. 5 credit hours.

#### Zoology 651 * Field Zoology

Term 1, June 18-July 22......Dr. Michael A. Hoggarth Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 credit hours.

#### Zoology 652 * Limnology

Term 2, July 23-August 26 ......Dr. Kenneth A. Krieger Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry and biological productivity are emphasized. 5 credit hours.

#### Zoology 653 * Fish Ecology

Term 2, July 23-August 26 ...... Drs. John E. Gannon and David J. Jude Field and laboratory studies of life histories and interspecific relationships of fishes and of the various factors influencing their abundance. 5 credit hours.

#### Table 4 - 1995 cont'd

#### Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

#### Research 998/999

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

#### Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

#### Stone Laboratory Curriculum 1996

#### Entomology 126 * Introductory Insect Biology

Week 10, August 11-August 17.......Mr. T.Keith Philips An introduction to the study of insects including biology, ecology, identification and field techniques providing undergraduate credit for college students and advanced high school students. 3 credit hours.

#### **Entomology 611 * Field Entomology**

Term 2, July 21-August 23 ..... Drs. David J. Horn, L.R. (Skip) Nault, and P.Larry Phelan Emphasis on collection, identification and field methods; field trips are made to various islands of Lake Erie and to the mainland. 5 credit hours.

#### Entomology 612 * Aquatic Entomology

Term 1, June 16-July 19 ...... Dr. Carmen E. Trisler Designed for preparation in the teaching of biology or for research on aquatic resources; emphasis on taxonomy and ecology of immature and adult aquatic insects. 5 credit hours.

#### Entomology 694 * Insect Biology for Teachers

#### Geological Sciences 107 * Field-Based Introduction to Oceanography

Week 1, June 9-June 15.......Dr. Larry A. Krissek An introduction to the study of oceanography including field techniques providing undergraduate credit for college students and advanced high school students. 3 credit hours.

#### Geological Sciences 584 * Principals of Oceanography for Science Teachers

Week 7, July 21-July 27 ...... Dr. Larry A. Krissek Origin, development and structure of oceanic basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanographic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 credit hours.

#### Geological Sciences 694 * Geologic Setting of Lake Erie

## Natural Resources 690 * Workshop in Environmental Education: Global Change in the Great Lakes

Week 1, June 9-June 15 ........Dr. Rosanne W. Fortner Interdisciplinary course designed to introduce the science of global climate change and the ways it could potentially impact the Great Lakes. Designed for secondary teachers and taught in a cooperative learning format with classroom-ready materials. 3 credit hours.

#### Natural Resources 614 * Marine and Aquatic Education

Week 5, July 7-July 13 ......Dr. Rosanne W. Fortner Overview of oceanic and Great Lakes resources, their roles in history, climate, commerce and culture; examination of teaching materials for formal and informal settings. 3 credit hours.

#### Plant Biology 611 * Higher Aquatic Plants

#### Zoology 125 * Introductory Aquatic Biology

Week 1, June 9-June 15	Dr. David J. Berg
Week 2, June 16-June 22	
Week 6, July 14-July 20	
Week 9, August 4-August 10	
An introduction to field techniques and the study of aquatic biolog	y providing
undergraduate credit for college students and advanced high school	ol students. 3 credit
hours.	

#### Zoology 126 * Introduction to the Study of Birds

#### Zoology 505 * Marine Biology and Ecology

#### Zoology 621 * Ichthyology

Term 1, June 16-July 19 ...... Dr. C. Lavett Smith Study of the distribution and classification of fishes, which includes methods of identification, collection and preservation. 5 credit hours.

#### Zoology 651 * Field Zoology

#### Zoology 652 * Limnology

Term 2, July 21-August 23 ...... Dr. Kenneth A. Krieger Study of the physical, geological, chemical and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry and biological productivity are emphasized. 5 credit hours.

#### Zoology 653 * Fish Ecology

Term 2, July 21-August 23 ...... Drs. John E. Gannon and David J. Jude Field and laboratory studies of life histories and interspecific relationships of fishes and of the various factors influencing their abundance. 5 credit hours.

#### Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

#### **Research 998/999**

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

#### Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

#### Stone Laboratory Curriculum 1997

#### Entomology 126 * Introductory Insect Biology

#### Entomology 612 * Aquatic Entomology

#### Entomology 694 * Insect Biology for Teachers

#### Geological Sciences 107 * Field-Based Introduction to Oceanography

Week 2, June 15-June 21 .......Dr. Larry A. Krissek An introduction to the study of oceanography including field techniques providing undergraduate credit for college students and advanced high school students. 3 credit hours.

#### Geological Sciences 583 * Geologic Setting of Lake Erie

Special Offering, August 9-August 15...... Drs. Larry A. Krissek and William I. Ausich Examination of geologic features along the southern shore of Lake Erie during a weeklong van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and an examination of relationships between human activity and the geology of the area. Approximate cost for room, meals, and transportation during one-week long van trip will be \$300. Class will originate from and end at the Fawcett Center in Columbus, Ohio. 3 credit hours.

#### Geological Sciences 584 * Principles of Oceanography for Science Teachers

#### Natural Resources 611 * Great Lakes Education Workshop

Week 2, June 15-June 21 ......Dr. Rosanne W. Fortner Week 3, June 22-June 28 .....Dr. Rosanne W. Fortner Techniques and curricula for presenting interdisciplinary aspects of the oceans and Great Lakes informal and nonformal education settings. 3 credit hours.

#### Natural Resources 614 * Marine and Aquatic Education

Week 4, June 29-July 3......Dr. Rosanne W. Fortner Overview of oceanic and Great Lakes resources, their roles in history, climate, commerce and culture; examination of teaching materials for formal and informal settings. 3 credit hours. (held at Lake Erie Nature Center)

#### Plant Biology 294 * Introduction to Local Flora

#### Plant Biology 611 * Higher Aquatic Plants

Term 2, July 27-August 27 ......Dr. David L. Moore Aquatic plants, other than the algae of the Great Lakes region; field and laboratory work on their identification and ecological and geographical relations. 5 credit hours.

#### Zoology 126 * Introduction to the Study of Birds

#### Zoology 125 * Introductory Aquatic Biology

Week 1, June 8-June 14	Dr. David W. Garton
Week 2, June 15-June 21	
Week 7, July 20-July 26	Mr. Frederic L. Snyder
Week 9, August 3-August 9	Dr. David J. Berg
Week 10, August 10-August 16	—
An introduction to field techniques and the study of aquatic bi	
undergraduate credit for college students and advanced high se	
hours.	

#### Zoology 505 * Marine Biology and Ecology

#### Zoology 621 * Ichthyology

#### Zoology 651 * Field Zoology

Term 1, June 22-July 25 ...... Dr. Michael A. Hoggarth Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 credit hours.

#### Zoology 652 * Limnology

#### Zoology 653 * Fish Ecology

Term 2, July 27-August 27 ...... Drs. John E. Gannon and David J. Jude Field and laboratory studies of life histories and interspecific relationships of fishes and of the various factors influencing their abundance. 5 credit hours.

#### Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

#### **Research 998/999**

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

#### **Honor Course H783**

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

### STONE LABORATORY GUEST LECURES*--1995

All lectures begin at 8:00 PM. A university boat leaves the dock in front of the Research Building at 7:45 PM before each lecture. Lectures normally conclude at approximately 9:15 PM. Transportation to and from Gibraltar Island is free.

Week 1:	6/15	<b>Dr. David W. Garton</b> , Indiana University at Kokomo "Mussels on Mud: Expansion of Zebra Mussels into Novel Habitats in Lake Erie"
Week 2:	6/22	<b>Dr. Jane L. Forsyth</b> , Bowling Green State University "Geological History of Ohio"
TERM 1 Week 3:	6/29	<b>Dr. Tim M. Berra</b> , Ohio State University in Mansfield "Recovery and Preservation of a Megamouth Shark from Western Australia"
Week 4:	7/6	<b>Dr. Paul A. Berkman,</b> Ohio State University "Research in Antarctica"
Week 5:	7/13	<b>Dr. Robert T. Heath</b> , Kent State University "The Effect of Zebra Mussels on Great Lakes Ecosystems"
TERM 2 Week 7:	7/27	Mr. David O. Kelch, Ohio Sea Grant Extension Program "Artificial Reefs in Lake Erie: A Sea Grant Success Story"
Week 8:	8/3	<b>Dr. Ronald L. Stuckey</b> , Ohio State University "The History of The Lake Laboratory at The Ohio State University"
Week 9:	8/10	Dr. Susan W. Fisher, Ohio State University "Toxic Chemicals in Lake Erie: Is the Past a Prologue?"
Week 10:	8/17	<b>Dr. David A. Culver</b> , Ohio State University "Phosphorus, Plankton, Pisces, and Pelecypods: 20 Years of Change in Lake Erie Trophic Dynamics"

*Sponsored by the Friends of Stone Laboratory and Office of Residence and Dining Halls.

### STONE LABORATORY GUEST LECTURES*--1996

All lectures begin at 7:45 PM. A university boat leaves the dock in front of the Research Building at 7:30 PM before each lecture. Lectures normally conclude at approximately 9:00 PM. Transportation to and from Gibraltar Island is free.

#### EARLY OFFERING

	6/13	<b>Dr. Lawrence Krissek</b> , Ohio State University "Drilling into the Ocean Floor on the 'High' Seas (or Surfing the North Atlantic in a Force 12 Storm)"
TERM 1		
Week 1	6/20	<b>Dr. Jane Forsythe, Bowling Green State University</b> The Geology of the Erie Islands"
Week 2	6/27	<b>Dr. Charles E. Herdendorf</b> , Ohio State University "Treasurers of a Lost Voyage: Science and the Columbus America Gold Expedition"
Week 3	7/3	Special - Dr. Paul Berkman, Ohio State University "Beachcombing in Antarctica"
Week 4	7/11	<ul> <li>GLAERC SUMMER MEETING</li> <li>4:00 PM, Dr. David Culver, Ohio State University</li> <li>"Changes in the Lake Erie Ecosystem: Zebra Mussels, Nutrients and Trophic Dynamics"</li> <li>7:45 PM, Dr. Chris Goddard, Executive Secretary, Great Lakes</li> <li>Fishery Commission</li> <li>"Sea Lamprey Control and Great Lakes Rehabilitation"</li> </ul>
Week 5	7/18	No Lecture
TERM 2		
Week 1	7/25	<b>Dr. David Baker</b> , Heidelberg College "Herbicides in Surface Waters: Human and Ecosystem Risk Assessment"
Week 2	8/1	<b>Doug Jeanneret</b> and <b>Richard B. Pierce</b> , Wildlife Legislative Fund "Animal Welfare and Scientific Research and Wildlife Management"
Week 3	8/8	<b>Carol Siegley</b> , President, Envirotech Consultants, Inc. "From Stone Lab to Ohio's First Nursery for Wetland and Prairie Plants"
Week 4	8/15	<b>Dr. Rosanne Fortner</b> , Ohio State University "Media Coverage of Science: Did Lake Erie Die in 1969?"

Week 58/22No Lecture*Sponsored by the Friends of Stone Laboratory and Office of Residence and Dining

Halls.

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All lectures begin at 7:45 PM. A university boat leaves the dock in front of the Research Building at 7:30 PM before each lecture. Lectures normally conclude at approximately 9:00 PM. Transportation to and from Gibraltar Island is free.

Week 1	6/12	No Lecture
Week 2	6/19	Dr. Frederick P. Miller, Director, School of Natural Resources, OSU
		"Soils: Are They Worth Protecting?"
TERM 1		
Week 3	6/26	Dr. Jane Forsythe, Bowling Green State University
		"The Geology of Lake Erie"
Week 4	7/1	Special Tuesday Lecture because of Holiday
		Gary L. Isbell, Ohio Division of Wildlife
		"Management of Ohio's Interjurisdictional Fisheries: From Quotas to
		Exotic Introductions"
Week 5	7/8	Special Tuesday Lecture because of State Leg./Congressional Day
		Brady Porter, Ohio State University
		"Phylogeny and Coloration in Darters"
Week 5a	7/10	Ohio Sea Grant's State Legislature/Congressional Day
		No Lecture
Week 6	7/17	Dr. Charles E. Herdendorf, Ohio State University
		"Treasures of a Lost Voyage: Science and the Columbus America
		Gold Expedition"
Week 7	7/24	Finals Week—No Lecture
TERM 2		Dr. Peter F. Landrum, Great Lakes Environmental Research
Week 8	7/31	
		Laboratory, NOAA "Hazard Assessment of Contaminated Lake Sediments"
	o / <b>a</b>	Dr. Bobby D. Moser, Vice President and Dean, College of Food,
Week 9	8/7	Agricultural and Environmental Sciences, Ohio State University
		"Environmental Issues in Agriculture in Ohio"
	8/14	Dr. Scudder D. Mackey, Div. of Geological Survey, ODNR
Week 10	8/14	"Current Issues Facing Geological Survey on Lake Erie: Water
		Levels, Flooding, Erosion, Sedimentation, Zebra Mussels, etc."
xx71.11	8/21	Dr. John E. Gannon, Biological Resources Division, U.S. Geological
Week 11	0/21	Survey, "Scientific Rivalry between Ohio and Michigan: The Lake
		Erie Pollution vs. Over-fishing Controversy"
Week 12	8/28	Classes Over-No Lecture
WCCK 12	0/20	

• Sponsored by the Friends of Stone Laboratory and the Office of Residence and Dining Halls.

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Date	Group/Leader	No.	Description
4/17	Marysville H.S. Peter Kain	8	Workshop
4/18	St. Edward Steve Huber	20	Workshop
4/19-20	Ruffing Montessori Elementary Jeanne Fleischhacleer	31	Workshop
4/20	Kenwood #1 Kent McClary	31	Workshop
4/21	Kenwood #2 Kent McClary	40	Workshop
4/23	London H.S. Jodi Schwartz	14	Workshop
4/24	Wynford H.S. Glen Smith	20	Workshop
4/25-26	Englewood Elementary Sis Litvin	22	Workshop
4/26-30	Bloom Carroll/Liberty/Fairfield Union Diane Gabriel	81	Workshop
4/30	St. Joseph Elementary Kathleen Burns	50	Workshop
4/30-5/1	Woodside M.S. Ginny Ryan	39	Workshop
5/1	Mills Elementary School Park Schafer	56	Workshop

Date	Group/Leader	No.	Description
5/2	Mills Elementary School Park Schafer	45	Workshop
5/3	Mills Elementary School Park Schafer	53	Workshop
5/4	Mills Elementary School Park Schafer	46	Workshop
5/5	Huron County Local #1 David Zitner	41	Workshop
5/5-6	Mansfield City School Betsy Alexander	17	Workshop
5/6	Sheffield M.S. #1 Bill Glynn	18	Workshop
5/7-8	Enviromental Wksp & Eco Tours Cassandra Halko	15	Workshop
5/8	Mills Elementary School Park Schafer	53	Workshop
5/9	Mills Elementary School Park Schafer	52	Workshop
5/10	Mills Elementary School Park Schafer	43	Workshop
5/11-12	Robinson J.H. Diane McClellan	32	Workshop
5/12	Huron County Local #2 David Zitner	51	Workshop

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Date	Group/Leader	No.	Description
5/12-14	Kent Academical (with Dr. Culver) Jane Jennings	25	Workshop
5/12-14	OSU Dr. Culver (with Kent) Dr. Culver	37	Workshop
5/14	Welsh Hills School Jackie O'Keefe	14	Workshop
5/15-16	Perry McCord M.S. Marty McTique	69	Workshop
5/16-17	Worthington M.S. Kevin Swab	68	Workshop
5/18	Rogers H.S. John Calderonello	16	Workshop
<b>5/18-</b> 19	Jones M.S. Jim or Susan Snyder	35	Workshop
5/19-20	Wapakoneta H.S. Byron Ruck	25	Workshop
5/21-22	Sheffield M.S. #2 Bill Glynn	34	Workshop
5/23	Holy Family School Mrs. Pat Yeager	89	Workshop
5/24	Bataan Elementary Richard Linkous	52	Workshop
5/24	Wynford H.S. Glen Smith	32	Workshop

Date	Group/Leader	No.	Description
5/24	McCormick M.S. John Knight	125	Workshop
5/24-25	New Albany M.S. Jay Walker	78	Workshop
5/26	Whittier M.S. Lois Treboniak	32	Workshop
5/30-6/1	Buckeye Valley Local School Barry Orahood	49	Workshop
6/1-2	Toth Elementary Sue Boles	56	Workshop
6/2	Springfield South H.S. Nick Dellapina	15	Workshop
6/3	Whiteford Susan Bixler	70	Workshop
6/3-5	OSU Molecular Genetics Mark Muller	30	Conference
6/5	McCord Jr. H. Mary Baird/Frank Ulrich	35	Workshop
6/6-7	Toledo Horizons Program Nadine Schroeder	38	Workshop
6/7 <b>-8</b>	Toledo Horizons Program Nadine Schroeder	41	Workshop
6/8-9	Berne Union H.S. Don Jacobs/Barb Miller	20	Workshop

Date	Group/Leader	No.	Description
6/15	Pickerington Schools Sandy Meigel	4	Tour
6/17-18	University of Toledo Charlene Czerniak	35	Workshop
6/23	Legislative Day	125	Conference
6/29	David Harlan	6	Tour
7/5	WTOL-TV 11 Toledo/Lou Hebert	4	Tour
7/5	Matt Leist/Ann Richards	3	Tour
7/13	Great Lakes Area EcoSystem Research Consortium Dr. Jeff Reutter	50	Conference
7/18	University of Toledo Charlene Czerniak	7	Workshop
7/18	EcoCamp (Outdoor Ed. CTR.) Joan Horn	4	Workshop
7/19	BGSU Workshop Ann Bernhard	30	Workshop
7/20	AGI/SWCD Meeting	14	Conference
7/26	Glen Oak School Deborah Hersha	4	Tour
7/28	Ottawa National Wildlife Refuge Laurie	6	Tour
7/29	OSU Young Scholars	43	Tour

Date	Group/Leader	No.	Description
7/29	Kent State University Frank Eriks	33	Tour
7/31	Rattlesnake Island Club Tish McKelvey	6	Tour
8/3	Phylis Sieglecki	4	Tour
8/8	James Harding	4	Tour
8/10	Lake Erie Coastal Resources Advisory Council Dr. Jeff Reutter	16	Conference
8/11	Ohio EPA Calvin Rogers	20	Tour
8/14	George and Becky Tyler	2	Tour
8/18	OSU Alumni Magazine Cladia Plumbley	2	Tour
8/18-20	RDH Undergrad Government Jen Nelson	6	Conference
8/24	Vondell Petry	2	Tour
8/26-27	Friends of Stone Lab	30	Conference
8/ <b>2</b> 8-29	Toledo Bob Frisch	35	Workshop
8/30-31	Hathaway Brown Lorelei Harris	55	Workshop
8/31-9/1	OSU-ATI Richard J. Niklas	21	Retreat

Date	Group/Leader	No.	Description
8/31-9/1	OSU Extension Evelyn Roediger/John Rohrer	10	Conference
9/5-6	Hilliard Station #1 Lynda Floehr	43	Workshop
9/6-7	Hilliard Station #2 Lynda Floehr	43	Workshop
9/8	Jefferson Elementary Jim Bergeman	68	Workshop
9/ <b>8-</b> 10	DNA Virus/Gene Expression Dr. Lai-Chu Wu	60	Conference
9/11	Hiram College Sandra Madar	27	Workshop
9/11-13	Wellington #1 Maureen Sturtz	33	Workshop
9/13-15	Wellington #2 Maureen Sturtz	33	Workshop
9/15-16	Lakota Tom or JoAnn Bentley	36	Workshop
9/17	Stow H.S. Jim Parker	9	Workshop
9/18-20	Bexley M.S.	40	Workshop
9/20-21	Marge Galloway West Carrolton/Miamisburg/Edgewood Ruth Ann Charles	62	Workshop
9/21-23	Columbus School For Girls Michael Burton	64	Workshop

Date	Group/Leader	No	Description
9/23	Heidelberg Ken Baker	14	Workshop
9/22-24	OARDC Kurt Knebush	10	Retreat
9/25-26	Brecksville H.S. Robert Berg	21	Workshop
9/26-27	Fairfield Elementary #1 Sandy Meigel	51	Workshop
9/28-29	Willis Intermediate Teresa Bettac	25	Workshop
9/29-30	Toledo Zoo Ralph Schade	25	Workshop
10/2	Portage Elementary School Ken Bogard	79	Workshop
10/3-4	Fairfield Elementary #2 Sandy Meigel	51	Workshop
10/7 <b>-</b> 8	N. Kentucky College Mariam Kannon	11	Workshop
10/9	Wind River Science Club Debbie Weibush	34	Workshop
10/10-12	Hudson Ken Radie	55	Workshop
10/12-13	Clintonville Academy Carrie Purson	47	Workshop

Date	Group/Leader	No.	Description
10/16	Glen Oak #1 Deborah Hersha	68	Workshop
10/17	Glen Oak #2 Deborah Hersha	63	Workshop
10/1 <b>8</b>	Fairfield Elementary #3 Sandy Meigel	51	Workshop
10/19	Linden McKinley H.S. Gatha P. Meadow	17	Workshop
10/19-20	Woodside M.S. Ginny Ryan	31	Workshop
10/23	Padua Franciscan H.S. Gary Jennrich	23	Workshop
	TOTAL	3,718	

Date	Group/Leader	No.	Description
4/17	Southmoor M.S. Maureen Huch	29	Workshop
4/18	Kenwood Elementary #1 Kent McClary	35	Workshop
4/19	Kenwood Elementary #2 Kent McClary	31	Workshop
4/22-24	New Albany M.S. #1 Jay Walker	45	Workshop
4/24	Jones Jr. H.	15	Workshop
4/24-26	New Albany M.S. #2 Jay Walker	45	Workshop
4/26-27	Mansfield City School Betsy Alexander	15	Workshop
4/29-5/3	Mills School I,II,III,IV Park Schaefer	150	Workshop
5/3	Whiteford	75	Workshop
5/6-10	Mills School V,VI,VII,VIII Park Schaefer	160	Workshop
5/10-12	Kent Academically Talented Jane Jennings	25	Workshop
5/10-12	OSU Culver Dr. Culver	30	Workshop
5/13-14	Englewood Elementary Sis Litvin	35	Workshop

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Date	Group/Leader	No.	Description
5/14-15	Perry/McCord (Worthington) I Marty McTigue	60	Workshop
5/15-16	Perry/McCord (Worthington) II Marty McTigue	60	Workshop
5/16-17	Robinson Jr. High Diane McCleiland	30	Workshop
5/17	Wynford High School Glen A. Smith	30	Workshop
5/18	Cleveland Metro Parks	20	Tour
5/18	OSU/Krissek Dr. Krissek	15	Workshop
5/18-19	WOSU John Brodie	15	Workshop
5/19-20	Brookside H.S. Bill Glynn	30	Workshop
5/20-21	Sheffield M.S. I Bill Glynn	45	Workshop
5/21-22	Sheffield M.S. II Bill Glynn	45	Workshop
5/22	McCormick M.S. John Knight	115	Tour
5/23	Bataan Memorial Elementary Richard Linkous	50	Workshop

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Date	Group/Leader	No.	Description
5/28	Audubon John Luoma	1	Tour
5/28-29	Toth Elementary I Sue Boles	45	Workshop
<b>5/29-3</b> 0	Toth Elementary II Sue Boles	40	Workshop
5/30	Springfield South Mike Willets	12	Workshop
5/30-31	Jones M.S. Jim Snyder	30	Workshop
5/31	Young Scholars (Robinson) Diane McClelland	11	Workshop
6/3	Holy Family Pat Yeager	80	Workshop
6/3-5	Buckeye Valley M.S. Barry Orahood	49	Workshop
6/5-6	Toledo Horizons I	45	Workshop
6/6-7	Toledo Horizons II	45	Workshop
6/7	Whittier Middle School Lois Treboniak	35	Workshop
6/11-12	American Museum of Natural History Sharon Simpson	2	Tour
6/13	Girl Scouts of America Alice Osborn	2	Tour

Date	Group/Leader	No.	Description
6/23	Audubon Patrice Halley	2	Tour
6/25-26	Museum of Natural History Sharon Simpson	4	Tour
6/25	University of Michigan Mike Rody	10	Tour
6/26	Press Conference V.W. Drop	20	Tour
6/27	Tom Koba	5	Tour
6/28	Brady Porter	3	Tour
6/29-30	University of Toledo Czerniak	21	Workshop
7/1	Madonna University Schaldenbrand	23	Workshop
7/11	GLAERC	50	Tour
7/12	BGSU Gifted Program Ann Bernhard	27	Workshop
7/12	North Harbor Sailing Club	25	Tour
7/16	Thomas More College Dr. John Hageman	1	Tour
7/24	University of Toledo Jeff Savino	1	Tour

Date	Group/Leader	No.	Description
7/25	Ecocamps Joan Horn	14	Tour
7/27	Sandusky Co., Alumni Dave Meyerholtz	23	Tour
7/29	Jenny Maher	2	Tour
8/20	"The Press" Scott Carpenter	1	Tour
8/22	Perry's Monument Jerry Altoff	22	Tour
8/27-28	Graduate Council	15	Conference
8/29	Enviromental Studies Group	15	Workshop
9/3	Fremont Ross Babe Willey	17	Workshop
9/3-4	OSU ATI Pat Harbert/Rich Niklas	35	Conference
9/4	Put-in-Bay Sue Duff	21	Workshop
9/5	Directors Advisory Council	15	Conference
9/5	Jefferson Jim Bergman	65	Workshop
9/6	OSU Molecular Genetics Mark Muller	64	Conference

Date	Group/Leader	No.	Description
9/7	Cub Scouts Dr. Krissek	40	Workshop
<del>9</del> /9	Put-in-Bay Karen Wilhelm	15	Workshop
9/9-10	Hilliard Station I Lynda Floehr	34	Workshop
9/10-11	Hilliard Station II Lynda Floehr	34	Workshop
9/11-12	Hilliard Station III Lynda Floehr	34	Workshop
9/12-13	Hathaway Brown Lorelei Harris	61	Workshop
9/13-14	Lakota Lake M.S. Tom Bentley	37	Workshop
9/16	ASCS Dr. Cunningham	20	Meeting
9/16-18	Bexley M.S. Marge Galloway	59	Workshop
9/18	Wind River Debbie Weibush	32	Workshop
<b>9/18-2</b> 0	Wellington School John Yascoe	50	Workshop
9/20	McCormick M.S. Elaine Bores	150	Tour

Date	Group/Leader	No.	Description
9/20-22	OARDC	15	Conference
	Kurt Knebush		
9/23	Oregon City Schools	22	Workshop
	Jo Ann Krock		
9/23-24	West Carrollton City School	36	Workshop
	Joy Wykoff		*
9/25	Seneca East I	51	Workshop
	Gary Manasco		*
9/26	Seneca East II	51	Workshop
	Gary Manasco		
9/26-27	Willis Intermediate	23	Workshop
	Teresa Bettac		
9/30-10/1	Tiffin City Heights	23	Workshop
	Gail Shriner		
10/1	OSU College of Agriculture	10	Conference
	Dr. Jeff Reutter		
10/1-3	Columbus School for Girls	59	Workshop
1011 0	John Hood	<i></i>	workshop
10/3-4	Edogwood City School	34	Worleshon
10/3-4	Edgewood City School Dee Wells	54	Workshop
10/7	Portage Elementary Ken Bogart	60	Workshop
	Ken Dogart		
10/ <b>7-8</b>	Worthingway M.S.	60	Workshop
	Kevin Swabb		

Date	Group/Leader	No.	Description
10/ <b>8-1</b> 0	Park Street M.S. Dave Crosby	54	Workshop
10/10-11	Worthington Christian H.S. Bill Williams	32	Workshop
10/11	Laurel School Lorna McDevitt	45	Workshop
10/12-13	GLEAMS Conference Bill Simpkins/Connie Keaton	15	Conference
10/14-15	Brecksville H.S. Robert Berg	23	Workshop
10/1 <b>5-17</b>	Hudson M.S. Ken Radie	62	Workshop
10/17	Avon H.S. Tess Wearsh/Thomas Tomlin	32	Workshop
10/18	Hilliard Station Teachers Lynda Floehr	15	Tour
10/18-19	Mount Union College Lin Wu	8	Workshop
10/1 <b>8-20</b>	OSU Culver Dr. Culver	20	Workshop
10/21	Padua Franciscan H.S. Gary Jennrich	17	Workshop
10/22	Alliance H.S. Deb Wiebush	47	Workshop
	TOTAL	3,843	

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Date	Group/Leader	No.	Description
4/17	Kenwood Elementary I Kent McClary	38	Workshop
4/18	Kenwood Elementary II Kent McClary	38	Workshop
4/21	Westside Montessori David Lymanstall	43	Workshop
4/21-23	New Albany I Jay Walker	55	Workshop
4/23	Leverett H.S. Sarah Shone	34	Workshop
4/23-24	Rittman M.S. I Cindy Baisden	55	Workshop
4/24-25	Rittman M.S. II Cindy Baisden	55	Workshop
4/25-26	Mansfield City Betsy Alexander	19	Workshop
4/28	Wynford H.S. Glen Smith	27	Workshop
<b>4/28-</b> 30	New Albany II Jay Walker	55	Workshop
4/30	Marysville H.S. Peter Kain	20	Workshop
4/30-5/4	Bloom Carroll Diane Gabriel	67	Workshop

Date	Group/Leader	No.	Description
5/3	Cub Scouts Dr. Krissek	22	Workshop
5/5-5/6	Mills Elementary I Park/Marcia	54	Workshop
5/6-7	Mills Elementary II Park/Marcia	53	Workshop
5/7	Mt. Gilliard Sue Stevens	22	Tour
5/7-8	Mills Elementary III Park/Marcia	51	Workshop
5/8-9	Mills Elementary IV Park/Marcia	54	Workshop
5/9	Rodgers H.S. Calderonello/Washington	32	Workshop
5/12-13	Mills Elementary V Park/Marcia	54	Workshop
5/13-14	Mills Elemantary VI Park/Marcia	46	Workshop
<b>5/14-</b> 15	Mills Elemantary VII Park/Marcia	51	Workshop
5/15-16	Mills Elemantary VIII Park/Marcia	45	Workshop
5/16	Bataan Elementary Richard Linkous	60	Workshop

Date	Group/Leader	No.	Description
5/16-17	Southmoor M.S. Maureen Huch	31	Workshop
5/17	Shawnee St. University	6	Tour
5/17	OSU Geology Larry Krissik	16	Workshop
5/19	Northern Kentucky University Dr. Rambo	20	Tour
5/19-21	Perry/McCord M.S. Marty McTigue	69	Workshop
5/21-22	Toth Elementary Sue Boles	54	Workshop
5/22-23	Englewood Elementary Sis Litvin	26	Workshop
5/23	Northwood J.H.	26	Tour
5/27-28	Toledo Horizons I Nadine Schroder	54	Workshop
5/2 <b>8-</b> 29	Toledo Horizons II Nadine Schroder	53	Workshop
<b>5/29-3</b> 0	Jones M.S. Jim Snyder	35	Workshop
5/30	Put-in-Bay School Amy Newell	30	Tour
5/30-31	Woodside M.S. Ginny Ryan	28	Workshop

Date	Group/Leader	No.	Description
5/31	Springfield South Mike Willets	15	Workshop
6/2	Terra Tech/Elder Colleges Amy Below	54	Tour
6/2-4	Buckeye Valley Amos Price	46	Workshop
6/4	Whiteford M.S. Sue Bixler	82	Workshop
6/4-5	ABE Conference Amy Stone	22	Conference
6/5	Logan Co. Envirothon Barb Kuch	7	Workshop
6/5	Grizzell Larry Hohman	51	Workshop
6/6	Whitter M.S. Lois Treboniak	32	Workshop
6/12	Antioch College Belinda Bower	8	Workshop
6/21	Girl Scouts Wider Jeanine Kirk	82	Workshop
6/27	Mini-Legislative Day Dr. Reutter	24	Conference

Date	Group/Leader	No	Description
6/30	Madonna University Florance Schaldenbrand	31	Workshop
7/8	BGSU - YES Residential Marty Harville	10	Workshop
<b>7/9</b>	Glen Helen Ecocamp Joan Horn	16	Tour
<b>7</b> /10	Legislative Day Dr. Jeff Reutter	150	Conference
7/13	Perry's Monument LaVonya Clayton	20	Tour
7/15	Northwest District Extension	20	Conference
7/15	BGSU - Govenor's School Ann Bernard	30	Workshop
7/17	Dr. Ed Herdendorf	20	Tour
7/18	AAA Tourbook Bill Purpural/Bob Thomas	4	Tour
7/21	Dr. John Balch	6	Tour
7/22	Rattlesnake Island Club	6	Tour
7/22	Dave Pezzutti	2	Tour
7/22	Ottawa Nat'l Wildlife Refuge	4	Tour
7/24	Allen Co. Envirothon Sally Henrick	8	Workshop

Date	Group/Leader	No.	Description
7/24	Girl Scouts (Detroit) Tina Larson	9	Tour
7/25	NASA Lewis Center	6	Tour
7/29	Steve Bentley	4	Tour
7/31 [·]	Dr. Peter Landrum	20	Tour
8/4	Chris Gawronski State Rep. Amy Selerno	2	Tour
<b>8</b> /6	Dr. E. Gordon Gee	6	Tour
8/7 8/7	Ohio Coastal Resources Advisory Council Ohio Senator Robert Latta	16 1	Conference Tour
8/7	James Klein	12	Tour
8/12	Lucas-Wood Co. Extension	14	Conference
8/14	James Harding	4	Tour
8/15	Unidentified Guests	5	Tour
8/16	University of Washington Clark Cunningham	9	Tour
8/18	Karl Hirzel	8	Tour
8/18	June Knabush	12	Tour
8/21	Great Lakes Area Ecosystem Res. Con.	50	Conference
8/23	US Coast Guard Auxillary Virginia Suda	15	Tour

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Date	Group/Leader	No.	Description	_
8/28	Put-in-Bay H.S. Sue Duff	22	Workshop	
9/2-3	OSU Resident Life Ron Kochendoefer	33	Conference	
9/3-4	OSU ATI Mark Headings	28	Conference	
9/3-4	Ohio Lake Erie Office Jill Woodyard	20	Conference	
9/4	Jefferson Elementary Jim Bergman	49	Workshop	
9/5	OARDC Skip Nault	42	Workshop	
9/5-7	FOSL Lisa Jackson	50	Conference	
9/8-12	Hillard Station Lynda Floehr	223	Workshop	
9/12-14	OSU Molecular Genetics Harold Vaessin	65	Conference	
9/15-16	Edgewood M.S. Dee Wells	22	Workshop	
9/15	Genoa	30	Tour	
9/16	Willis M.S. Teresa Bettac	25	Workshop	
9/17-19	Wellington I & II Sara Harris	62	Workshop	

Date	Group/Leader	No.	Description
9/19-21	OARDC Ken Chamberlain	10	Conference
9/20	Central Elementary Donna Seaman	15	Tour
9/22	Avon H.S. Tess Wearsch	22	Workshop
9/22-24	Bexley M.S. Marge Galloway	46	Workshop
9/24-26	Columbus School for Girls John Hood	67	Workshop
9/26	McCormick School Elaine Borris	105	Tour
9/26-27	Park Street M.S. David Crosby	64	Workshop
9/29	West Holmes Doug Mohr	15	Workshop
9/30	Clay H.S. Dennis Slotnick	39	Workshop
10/1	Portage Elementary Martha Willis	85	Workshop
10/6-7	Worthingway M.S. Kevin Swabb	68	Workshop
10/7-9	Hudson M.S. I & II Ken Radie	68	Workshop

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Date	Group/Leader		No.	Description
10/12-13	Brecksville H.S. Robert Berg		29	Workshop
10/14	Laurel School Mary Nodar		33	Workshop
10/15	Padua H.S. Terry Mansfield		22	Workshop
10/16-17	Kilbourne M.S. Dr. Goode		53	Workshop
10/17	R & H AgriServe John Haggard		15	Workshop
10/20-21	West Carrollton Marty McTigue		61	Workshop
10/21	Gibsonburg Dave Pasch		39	Workshop
10/23	Highland H.S. Betsy Gleason		46	Workshop
		TOTAL	4,004	

#### Stone Laboratory Scholarship Recipients 1995

Name	Institution	Name of Scholarship
Alikhan, Mariam	University of Michigan	Ray Frederick
Bagstad, Kenneth	Avon Lake High School	Pepsi-Cola & Polish Fishermen's Club
Bauerle, Megan	Ohio University	Ray Frederick
Bauman, Kelly	Newton Falls High School	Pepsi-Cola Bottling Company
Bill, Angela	St. Mary's College	Ray Frederick
Collins, Anissa	The Ohio State University	Franz and Kate Stone
Czeck, Sara	Newton Falls High School	Pepsi-Cola Bottling Company
Dlouhy, Mary	St. Joseph Academy	Kelly Prochazka
Eppley, Kristen	Fremont Ross High School	Pepsi-Cola Bottling Company
Falter, Jennifer	Bishop Ready High School	Franz and Kate Stone
Faulhaber, Karen	Mifflin High School	Franz and Kate Stone
Forrest, Douglas	The Ohio State University	Oakland Park Conservation Club
Gifford, Shannon	Westerville South High School	Pepsi-Cola Bottling Company
Grand, David	The Ohio State University	Oakland Park Conservation Club
Herath, Anuradha	Roosevelt High School	Pepsi-Cola Bottling Company
Johnston, Karen	Avon Lake High School	Polish Fishermen's Club
Lebovitz, Ashley	West Geauga High School	Franz and Kate Stone
Manley, Sally	Westerville North High School	Franz and Kate Stone
McQuown, Kelly	Elyria High School	Kelly Prochazka
Mueller, Christina	Padua Franciscan High School	Kelly Prochazka
Myers, Carla	Huron High School	Pepsi-Cola Bottling Company
Patel, Divyesh	The Ohio State University	McDonald's
Pierson, Zachary	The Ohio State University	Sandusky Charter Boat Association
Poe, Angela	Bellefontaine High School	Pepsi-Cola Bottling Company
Riestenberg, David	College of Mount St. Joseph	Ray Frederick
Roush, Rebecca	Miami University	Ray Frederick
Sheba, Melissa	Union Local High School	Pepsi-Cola Bottling Company
Silk, Jr., Richard	The Ohio State University	Oakland Park Conservation Club
Smith, Derek	Ohio University	Sandusky Charter Boat Association
Svengsouk, Lisa	The Ohio State University	Oakland Park & Franz and Kate Stone
Szalkowski, Ronnie	Southern Local High School	Pepsi-Cola Bottling Company
Tepe, Eric	The Ohio State University	Oakland Park Conservation Club
Tichich, Emily	The Ohio State University	Sandusky Charter Boat Association
Toot, Elizabeth	Newton Falls High School	Pepsi-Cola Bottling Company
York, Justin	The Ohio State University	Oakland Park Conservation Club

TOTAL value of scholarships - \$11,938

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#### Stone Laboratory Scholarship Recipients 1996

Alexander, Amanda Augusta, LaurenBowling Green State University Newton Falls High SchoolRay Frederick McDonald'sBarlage, AnneMiller City High SchoolMcDonald'sBill, AngelaSaint Mary S College (Laussen, Craig Claussen, CraigGrandview Heights High SchoolPaudi, SabihaNewton Falls High SchoolPepsi-Cola Bottling CompanyDaudi, SabihaThe Ohio State University (Gibbs, ShawnPanz and Kate StoneEikenberry, AlissaMiami UniversityGakland Park Conservation ClubGibbs, ShawnThe Ohio State University (Gibbs, ShawnOakland Park Conservation ClubGintert, MichaelNewton Falls High SchoolFranz and Kate StoneGreen, DeborahThe Ohio State University (Oakland Park Conservation ClubHahuch, MelissaOtterbein CollegeOakland Park Conservation ClubHanner, RebeccaElyria High SchoolFranz and Kate StoneHuft, KyleeThe Ohio State University (Oakland Park Conservation ClubHolski, LizaGalia Academy High SchoolFranz and Kate StoneKane, DouglasThe Ohio State University (Oakland Park Conservation ClubKobza, RobertBowling Green State University (Oakland Park Conservation ClubNickamp, KristiThe Ohio State University (Oakland Park Conservation ClubShan, KehrynBo	Name	Institution	Name of Scholarship
Augusta, LaurenNewton Falls High SchoolMcDonald'sBarlage, AnneMiller City High SchoolMcDonald'sBarlage, AnneMiller City High SchoolMcDonald'sBill, AngelaSaint Mary S CollegeRay FrederickClaussen, CraigGrandview Heights High SchoolPepsi-Cola Bottling CompanyDaudi, SabhaThe Ohio State UniversityRay FrederickEikenberry, AlissaMiami UniversityRay FrederickEngel, SarahThe Ohio State UniversityOakland Park Conservation ClubGihbs, ShawnThe Ohio State UniversityOakland Park Conservation ClubGintert, MichaelNewton Falls High SchoolFranz and Kate StoneGreen, DeborahThe Ohio State UniversityOakland Park Conservation ClubHaltuch, MelissaOtterbein CollegeOakland Park & Ray FrederickHanner, RebeccaElyria High SchoolFranz and Kate StoneHuft, KyleeThe Ohio State UniversityOakland Park Conservation ClubHoleski, LizaGallia Academy High SchoolFranz and Kate StoneKane, DouglasThe Ohio State UniversityOakland Park Conservation ClubKobza, RobertBowling Green State UniversityOakland Park Conservation ClubMikekley, JoshuaCrooksville High SchoolFranz and Kate StoneMcQuown, KellyElyria High SchoolPolish Fisherman's ClubMackley, JoshuaCrooksville High SchoolPolish Fisherman's ClubMozel, JoshuaGrook State UniversityOakland Park Conservation ClubMolsen, JoshuaThe Ohio State	Alexander, Amanda	Bowling Green State University	Ray Frederick
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	Wong, Charissa	Fort Hayes High School	Pepsi-Cola Bottling Company

TOTAL number of scholarships - 42

TOTAL value of scholarships-- \$10,216

#### Stone Laboratory Scholarship Recipients 1997

Name	Institution	Name of Scholarship
Ambers, Megan	Mapleton High School	Polish Fishermen's Club
Applegate, Jeromy	The Ohio State University	Oakland Park Conservation Club
Aram, Kamyar	The Ohio State University	Pepsi-Cola Bottling Company
Barton, Alicia	The Ohio State University	Pepsi-Cola Bottling Company
Booth, Amy	Baldwin-Wallace College	Ray Frederick
Creque, Sara	Heidelberg College	Ray Frederick
Dabrowska, Cornelia*	Upper Arlington High School	Pepsi-Cola Bottling Company
Daudi, Sabiha	The Ohio State University	Franz and Kate Stone
Deitz, David	The Ohio State University	Oakland Park Conservation Club
Doudna, John	Barnesville High School	Franz and Kate Stone
Eddy, William	Brookside High School	Polish Fishermen's Club
Elek, Holly	Elyria High School	Kelly Prochazka
Elliott, Philip	Newton Falls High School	Franz and Kate Stone
Ferguson, Jason	Otterbein College	Ray Frederick
Filippi, Erika	The Ohio State University	Beaver Park Yacht Club
Fleck, Joseph	The Ohio State University	Pepsi-Cola Bottling Company
Garton, Kristin	The Ohio State University	Oakland Park Conservation Club
Gerdeman, Analise	Miami Trace High School	Franz and Kate Stone
Green, Deborah	The Ohio State University	Oakland Park Conservation Club
Haltuch, Melissa	The Ohio State University	Franz and Kate Stone
Humbach, Kristen*	Seven Hills Upper School	Franz and Kate Stone
Kane, Douglas	The Ohio State University	Oakland Park Conservation Club
Keener, Jean	The Ohio State University	Franz and Kate Stone
King, Abigail	Wittenberg University	Ray Frederick
Merz, Michael	Grandview Heights High School	Pepsi-Cola Bottling Company
Mizek, Jill	Defiance College	Ray Frederick
Morris, Gregory	The Ohio State University	Oakland Park Conservation Club
Scribner, Melanie	Defiance High School	Pepsi-Cola Bottling Company
Shoup, Heidi	The Ohio State University	Oakland Park Conservation Club
Trzebuckowski, Tracey	The Ohio State University	Oakland Park Conservation Club
Wartman, Megan	West Liberty-Salem High School	Franz and Kate Stone
Weaver, Anna	Upper Sandusky High School	Franz and Kate Stone
Young, Ardelia	The Ohio State University	Pepsi-Cola Bottling Company
Zavatchan, Wendy	Westerville South High School	Franz and Kate Stone

*Scholarship recipient from Ohio Academy of Science State Science Day

TOTAL number of scholarships - 34

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# Stone Laboratory Student Roster -- 1995 (181 students)

Name	Rank	Major	College	Institution
Adamany, Eunice	Master's	Geological Sciences	Graduate	The Ohio State University
Adkins. Matthew	Senior	Biology	<b>Biological Science</b>	Bowling Green State University
Alikhan, Mariam	Sophomore	Business/Accounting	Lit, Science & Arts Honors	University of Michigan
Angerman, Elizabeth	High School Junior	I		Galion High School
Ashbaugh, Mark	Ph.D.	Zoology	Graduate	The Ohio State University
Austin, Glenna	Graduate Non-Degree	Science	Graduate	The Ohio State University
Baestad. Kenneth	High School Senior			Avon Lake High School
Baird. Anne	Master's	Science Education	Graduate	The Ohio State University
Baker, Melinda	High School Junior			Benjamin Logan High School
Ballard. Michael	Senior	Aquatic Biology	Arts and Sciences	The Ohio State University
Bauerle. Megan	Junior	<b>Biological Sciences</b>	Arts and Sciences	Ohio University
Bauman, Kellv	High School Junior	)		Newton Falls High School
Besecker. Joe	Master's	Administration		Wright State University
Bill. Angela	Sophornore	Biology		St. Mary's College
Boezs. John	Senior	Environmental Science	Natural Resources	The Ohio State University
Bradley, William	Graduate Non-Degree		Graduate	The Ohio State University
Bryan, Susan	Graduate Non-Degree		Graduate	Miami University
Bumberger, Daniel	Junior	Biology	Science and Math	Wright State University
Buser, Adam	High School Junior	1		Upper Arlington High School
Cachat, Dave	Senior	Fisheries Management	Natural Resources	The Ohio State University
Catalano. Matthew	Junior	Zoology	Arts and Sciences	Miami University
Champlin, Cvnthia	Senior	Zoology	Arts and Sciences	Ohio University
Chane Bao-Lian	Ph.D.	Science Education	Graduate	The Ohio State University
Chase, Leon	Graduate Non-Degree		Graduate	The Ohio State University
Christ, Lindsey	High School Junior			Westerville North High School
Clay, Aaron	High School Senior			Lima Central Catholic H.S.
Clay, Angela	High School Sophomore			Lima Senior High School
Close, Denise	Graduate Non-Degree		Graduate	The Ohio State University
Collins, Anissa	Senior	Biology & General Science	Education	The Ohio State University
Crevison, Heidi	Post-Graduate/B.A.	Zoology	Continuing Education	The Ohio State University

Name	Rank	Maior	College	Table 16 cont'd
				1995
Cullison, Linda	Master's	Science	Graduate	The Ohio State University
Czeck, Sara	High School Sophomore			Newton Falls High School
Danter, Kenneth	Ph.D.	Natural Res Communications	Graduate	The Ohio State University
Dlouhy, Mary	High School Sophomore			St. Joseph Academy
Doherty, Paul	Ph.D.	Zoology	Graduate	The Ohio State University
Dorsey, Tyler	High School Senior	;		Padua Franciscan High School
Douridas, Nathan	High School Sophomore			Marion-Franklin High School
Engler, Rachel	Senior	Environmental Interpretation	Natural Resources	The Ohio State University
Eppley, Kristen	High School Junior			Fremont Ross High School
Falter, Jennifer	High School Senior			Bishop Ready High School
Faulhaber, Karen	High School Junior			Mifflin High School
Forrest, Douglas	Master's	Educational Studies	Graduate	The Ohio State University
Foss, Phillip	Freshman	Biology		Ashland University
Furlong, Diana	Post-Graduate/B.Ed.	French & English	<b>Continuing Education</b>	The Ohio State University
Gainer, Tori	Post-Graduate/B.A.	I	Continuing Education	The Ohio State University
Gallapoo, Gwyneth	Master's	Science	Graduate	The Ohio State University
Gifford, Shannon	High School Senior			Westerville South High School
Glynn, William	Graduate Non-Degree		Graduate	The Ohio State University
Grand, David	Junior	<b>Biological Sciences</b>	Arts and Sciences	The Ohio State University
Haisley, Deborah	Master's	Botany	Graduate	Miami University
Hankle, Wendy	Senior	Plant Biology	Arts and Sciences	The Ohio State University
Harrison, Alnita	Master's	Educational Studies	Graduate	The Ohio State University
Hartzell, Kristen	Junior	Biology	Arts and Sciences	The Ohio State University
Heidrich, Scott	Junior	Fisheries	Natural Resources	The Ohio State University
Herath, Amuradha	High School Junior			Roosevelt High School
Hill, Susan	Graduate Non-Degree	Elementary Education	Graduate	The Ohio State University
Hines, Heather	Senior	Zoology	Arts and Sciences	The Ohio State University
Hobson, Sally	Graduate Non-Degree	Elementary Education	Graduate	The Ohio State University
Hoke, Douglass	High School Junior	<b>k</b>		Columbus Alternative H.S.
Hookey (Huff, Kylce	Master's	Science Education	Graduate	The Ohio State University
Hooper, Lauren	Senior	Conservation	Arts and Sciences	Kent State University
Huber, Joanna	High School Junior			East High School
Huch, Maureen	Master's	<b>Environmental Education</b>	Graduate	The Ohio State University
Jacko, Richard	Master's	<b>Geological Sciences</b>	Graduate	The Ohio State University
Jennings, Mamie	<b>High School Junior</b>	1		Crestwood High School

Name	Rank	Maior	. College	Table 16 cont'd
				5661
Johnston, Karen	High School Semor			AVON LAKE HIGH SCHOOL
Jordan, Kyle	Junior	Env Comm, Ed, Interp	Natural Resources	The Ohio State University
Kardos, Nicolette	Sophomore	Environmental Science	Natural Resources	The Ohio State University
Kersker, Natalie	High School Sophomore			Upper Arlington High School
Kerstetter, Molly	High School Junior			Roosevelt High School
Kluener, Todd	High School Sophomore			Wm Henry Harrison High School
Knoth, Brian	Junior	Fisheries Managment	Natural Resources	The Ohio State University
Kucia, Matthew	High School Junior	I		Lake Ridge Academy
Kudless, Kristen	Ph.D.	Geological Sciences	Graduate	The Ohio State University
Kutschbach-Brohl, Lisa	Master's	Environmental Science	Graduate	The Ohio State University
LaPille, Mark	Graduate Non-Degree		Graduate	The Ohio State University
LaPointe, Lisa	High School Sophomore			Perrysburg High School
Lebovitz, Ashley	High School Sophomore			West Geauga High School
Lemon, Lawrence	<b>High School Junior</b>			Mifflin High School
Lerner, Eileen	High School Junior			Northland High School
Lewandowski, Albert	Ph.D.		Graduate	The Ohio State University
Lewis, James	Graduate Non-Degree		Graduate	The Ohio State University
Lim, Shian	Freshman	Pre-vet		The Ohio State University
Logsdon, Scott	Post-Graduate/B.S.		<b>Continuing Education</b>	The Ohio State University
Lohnes, Jason	Junior	Zoology	Arts and Sciences	Miami University
Lorek, Tracy	Master's	Environmental Education	Graduate	The Ohio State University
Lowry, Michelle	Junior	Biology	<b>Biological Sciences</b>	The Ohio State University
Lymanstall, David	Post-Graduate/Master's	ł	Continuing Education	The Ohio State University
Mackley, Joshua	High School Sophomore			Crooksville High School
Madison, Diane	Master's	Natural Resources	Graduate	The Ohio State University
Mank, Jill	Sophomore	Zoology	Arts and Sciences	The Ohio State University
Manley, Sally	High School Sophomore	;		Westerville North High School
Marley, Francis	Senior	Sustainable Resource Mgt	Agriculture	The Ohio State University
Martin, Amanda	Master's	Biology		Miami University
Martinez, Felix	Ph.D.	Zoology	Graduate	The Ohio State University
Mascazine, John	Ph.D.	Science Education	Graduate	The Ohio State University
Maxwell, Eugenie	Ph.D.	Science Education	Graduate	The Ohio State University
McCarthy, Hunter	High School Junior			Maumee High School
McCormack, Sarah	High School Junior			Beaumont School
McQuown, Kelly	High School Junior			Elyria High School

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Name	Rank	Major	College	Table 16 cont'd
McTime Martha	Gendinate		Conductor .	The Ohio State I laiteanide.
			Alaurano I	
Menntl, Adnenne	High School Junior			Fairland High School
Miller, Heidi	Master's	Environmental Education	Natural Resources	The Ohio State University
Miracle, Glenn	Master's	Zoology	Graduate	The Ohio State University
Mohr, Dougias	Graduate Non-Degree		Graduate	The Ohio State University
Mowry, Melissa	Junior	<b>Biology/Education</b>		Wittenberg University
Mueller, Christina	<b>High School Junior</b>			Padua Franciscan High School
Myers, Carla	High School Sophomore			Huron High School
Nemann, Janet	Post-Graduate		<b>Continuing Education</b>	The Ohio State University
Newell, Amy	Master's	Science	Education	University of Toledo
OFlaherty, Rebecca	Master's	Environmental Science	Graduate	The Ohio State University
Olds, Andrew	Senior	Geology	Arts and Science	Miami University
Olszowka, Deborah	Master's	<b>Environmental Sciences</b>		Miami University
Orloff, Warren	Master's	Science Education	Graduate	The Ohio State University
Ozesmi, Uygar	Master's	Environmental Science	Graduate	The Ohio State University
Parish, Steven	Freshman	Chemical Engineering	University College	The Ohio State University
Patel, Divyesh	Junior	Environmental Science	Natural Resources	The Ohio State University
Patel, Rupesh	High School Junior			Reynoldsburg High School
Peck, Martha	Graduate Non-Degree		Graduate	The Ohio State University
Pelsozy, Michael	High School Sophomore			Solon High School
Pennington, Michael	Senior	Biology	Arts and Sciences	Bowling Green State University
Persohn, Douglas	Senior	<b>Environmental Science</b>	Natural Resources	The Ohio State University
Pfeiffer, Matthew	Post-Graduate/B.S.		<b>Continuing Education</b>	The Ohio State University
Pierson, Carrie	Post-Graduate		Continuing Education	The Ohio State University
Pierson, Zachary	Sophomore	Undecided	University College	The Ohio State University
Plevyak, Linda	Ph.D.	Teacher Education	Graduate	The Ohio State University
Poe, Angela	High School Junior			<b>Bellefontaine High School</b>
Purwanto,	Master's	Science	Graduate	The Ohio State University
Raby, William	Senior	Zoology	Arts and Sciences	The Ohio State University
Rafii, Ron	Senior	Zoology	Arts and Sciences	The Ohio State University
Rainey, William	Post-Graduate/Ph.D.		Continuing Education	The Ohio State University
Reiss, William	Graduate Non-degree	Natural Resources	Graduate	The Ohio State University
Richardson, Darci	Post-Graduate/M.S.		Continuing Education	The Ohio State University
Richardson, Kelly	Master's	Education/Biology		Miami University

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Name	Rank	Major	College	Table 16 cont'd Institution
Ricstenberg, David	Senior	Biology		Ę
Roads, Christopher	Master's	;	Graduate	The Ohio State University
Rose, Reginald	Master's	Educational Studies	Graduate	The Ohio State University
Roush, Rebecca	Master's	Geography	Graduate	Miami University
Roush, Scott	Senior	<b>Biological Sciences</b>	Science and Mathematics	Wright State University
Ruihley, Elizabeth	Senior	Biology	Arts and Sciences	The Ohio State University
Russo, Leslie	Senior	Zoology	Arts and Sciences	The Ohio State University
Schmelzer, Karyn	High School Junior	ł		Ft Hayes High School
Schnetzler, Jason	Senior	Environmental Science	Natural Resources	The Ohio State University
Scott, Karen	Master's	Science Education	Graduate	The Ohio State University
Semanco, Todd	Sophomore	Zoology	Arts and Sciences	Miami University
Shaw, Cynthia	High School Junior	-		Fairview High School
Sheaffer, Amy	Master's	Natural Resources	Natural Resources	The Ohio State University
Sheba, Melissa	High School Junior			Union Local High School
Silk, Jr., Richard	Senior	Zoology	Arts and Sciences	The Ohio State University
Smith, Adrienne	Senior	Zoology	Arts and Sciences	The Ohio State University
Smith, Derek	Senior	Biology	Arts and Sciences	Ohio University
Smith, Karen	Senior	Zoology	Arts and Sciences	The Ohio State University
Solomon, Stacy	High School Sophomore			Firelands High School
Stanton, Robert	Ph.D.	Entomology	Graduate	The Ohio State University
Stephen, Marion	Senior	Fish Management	Natural Resources	The Ohio State University
Stevens, Susan	Master's	Science Education	Graduate	The Ohio State University
Stocking, Lisa	High School Senior			Perrysburg High School
Stout, Derek	Graduate Non-Degree	Landscape Architecture	Graduate	The Ohio State University
Studer, Scan	High School Junior			Huron High School
Svengsouk, Lisa	Graduate Non-Degree			The Ohio State University
Swabb, Kevin	Master's	Science	Graduate	The Ohio State University
Szałkowski, Ronnie	High School Junior			Southern Local High School
Tchetgen, Stella	Senior	Biology		<b>Ohio Wesleyan University</b>
Tepe, Eric	Senior	Plant Biology	Arts and Sciences	The Ohio State University
Thomas, Matt	Senior	Zoology	Arts and Sciences	The Ohio State University
<b>Tichich</b> , Emily	Senior	Environmental Science	Natural Resources	The Ohio State University
Toot, Elizabeth	High School Sophomore			Newton Falls High School
Trisler, Dana	High School Junior			Winton Woods High School
Trotter, Kathleen	High School Sophomore			Hilliard High School

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Table 16 cont'd	Sylvania Northview High School Tri-Valley High School The Ohio State University The Ohio State University Milford High School		
Institution	Sylvania Northview Tri-Valley High Sch The Ohio State Univ The Ohio State Univ Ciences The Ohio State Univ Milford High School		
College	Sylvania Northview HighNatural ResourcesTri-Valley High SchoolNatural ResourcesThe Ohio State UniversityGraduateThe Ohio State UniversityArts and SciencesThe Ohio State UniversityUVC/BusinessThe Ohio State UniversityUVC/BusinessThe Ohio State UniversityArts and SciencesThe Ohio State UniversityUVC/BusinessThe Ohio State UniversityArts and SciencesThe Ohio State UniversityArts and SciencesThe Ohio State UniversityArts and SciencesThe Ohio State UniversityAgriculture/Arts and SciencesThe Ohio State University		
Major	Fisheries Management Environmental Science Biological Sciences Business/Econ Business/Econ Science Education Zoology Plant Health Mgt/Biology	·	
Rank	High School Junior High School Junior Senior Master's Senior Ph.D. Junior Senior Pinior Senior High School Sophomore		
Name	Troxel, Tara Tuck, Rachel Tussing, Chad VanBloem, Skip Voorhies, Scott Walling, Susan Warner, Clarence Wilder, Melinda Wong, Sharon York, Justin Zlocki, Justine		

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# Stone Laboratory Student Roster - 1996 (195 students)

Name	Rank	Major	College	Institution
Alexander, Amanda Arnwine, Christopher Atkinson, Phoebe	Junior Junior Master's	Elementary Education Biology Env Comm, Ed & Inter	Educ & Allied Professions Biological Science Graduate	Bowling Green State University Wright State University The Ohio State University
Augusta, Lauren Barlage, Anne Bartalon, Jason Bartlev, Bichard	High School Junior High School Junior Sophomore High School Junior	Undecided	University College	Newton Falls High School Miller City High School The Ohio State University Marion-Franklin High School
Bhardwaj, Deepika Biggs, Merri Bill, Angela	Ph.D. Master's Junior	Environmental Science Science Education Biology	Graduate Graduate	The Ohio State University The Ohio State University Saint Mary's College
Billhardt, Barbara Bowers, David Braun, Nichole	Graduate Non-Degree Graduate Non-Degree Master's	Education Environmental Education	Graduate Graduate Graduate	The Ohio State University The Ohio State University The Ohio State University
Brown, Cheryl Burkart, Greta Burke, Christopher Bush, Shawna Camm, Carol	Graduate Non-Degree Senior Senior High School Junior Post-Graduate	Zoology Env Communications	Graduate Natural Resources Continuing Education	The Ohio State University Miami University The Ohio State University Marion-Franklin High School The Ohio State University
Champlin, Linda Christiansen, Gwen Cieplinski, Eliyahu Clark, Michelle Claussen, Craig	Graduate Non-Degree Senior Sophomore Master's High School Junior High School Sonhomore	Environemtnal Science Ed T&P	Graduate Natural Resources University College Graduate	The Ohio State University The Ohio State University The Ohio State University The Ohio State University Grandview Heights High School Newton Falls High School
Concert, Janea Colson, Theresa Costello, Kathleen Covic, Mario Crane, Wendy	Senior Senior Senior Senior	Environmental Science Environmental Science Molecular Genetics	Natural Resources Graduate Natural Resources Arts and Sciences	The Ohio State University The Ohio State University The Ohio State University The Ohio State University

Name	Druk	. Notice	Callan	Table 17 cont'd
aunti	All the second se	inini	CONEXE	1006
Cullison, Linda	Master's	Science	Graduate	The Ohio State I Iniversity
Danielson Carl (Sbin)		Enternologie		The Olio Conte Hairment.
	18. P.			
Daudi, Sabiha	Ph.D.	Human Impact&Change ProcessGraduate	ssGraduate	The Ohio State University
Dickmann, Brian	Graduate Non-Degree		Graduate	The Ohio State University
Doherty, Paul	Ph.D.	Zoology	Graduate	The Ohio State University
Dougherty, Kevin	Master's	Science Education	Graduate	The Ohio State University
Douridas, Nathan	High School Junior			Marion-Franklin High School
Durkalec, Michael	Master's	Fisheries Management	Graduate	The Ohio State University
Eikenberry, Alissa	Master's	Environmental Sciences	Graduate	Miami University
Ekis, Erik	Master's	Science Education	Graduate	The Ohio State University
Ellsworth, Denise	Graduate Non-Degree		Graduate	The Ohio State University
Engel, Sarah	Junior	Environmental Science	Natural Resources	The Ohio State University
Evans Brown, Clarissa	Senior	Geological Sciences	Arts and Sciences	The Ohio State University
Fargel(McIntosh), Susan	Senior	Math	Arts and Sciences	The Ohio State University
Freelove, John	High School Sophomore			Marion-Franklin High School
Gaden, Marc	Post-Graduate/M.A.		<b>Continuing Education</b>	The Ohio State University
Gephart, Elizabeth	Graduate Non-Degree		Graduate	The Ohio State University
Gerber, Raylene	Graduate Non-Degree		Graduate	The Ohio State University
Ghebretnsae, Ruhel	High School Sophomore			Columbus Alternative H.S.
Gianola, Daniel	High School Junior			Worthington High School
Gibbs, Shawn	Senior	Biology	Arts and Sciences	The Ohio State University
Gintert, Michael	High School Sophomore			Newton Falls High School
Glass, Emmett	Master's	Entomology	Graduate	The Ohio State University
Gopalan, Gouthaman	Ph.D.	Zoology	Graduate	The Ohio State University
Graham, Allison	High School Sophomore			Elyria High School
Grau, Daniel	High School Senior			<b>Olmsted Falls High School</b>
Green, Deborah	Junior	Environmental Science	Natural Resources	The Ohio State University
Grentzer, Loretta	Post-Graduate		<b>Continuing Education</b>	The Ohio State University
Gustafson, Jennifer	High School Junior		•	Newark High School
Hagen, Elizabeth	High School Junior			Columbus Alternative H.S.
Hall, Elizabeth	Graduate Non-Degree	Public Policy & Management	Graduate	The Ohio State University
Haltuch, Melissa	Graduate Non-Degree	Life Science-Environmental	Graduate	Otterbein College
Hammer, Rebecca	High School Junior			Elyria High School
Hartono	Master's	Elementary Sience Education	Graduate	The Ohio State University

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Table 17 cont'd

Name	Rank	Maior	College	Table 17 cont'd Institution
5				1996
Hartzell, Kristen	Junior	Biology	Arts and Sciences	The Ohio State University
Hatten, Jacqueline	High School Senior			<b>Olentangy High School</b>
Heacock, Sherry	Post-Graduate	Bio Educ	Continuing Education	The Ohio State University
Heidrich, Scott	Senior	Fisherics Mangement	Natural Resources	The Ohio State University
Hensler, Stephen	Junior	Fisheries Management	Natural Resources	The Ohio State University
Herdt, Joseph	Senior	Zoology	Arts and Sciences	The Ohio State University
Herlihy, Fran	Master's	Geological Sciences	Graduate	The Ohio State University
Hobson, Sally	Post-Graduate	ED-T&P	Graduate	The Ohio State University
Holeski, Liza	High School Junior			Gallia Academy High School
Hudson, Marcy	Master's	Agricultural Education	Graduate	The Ohio State University
Huff, Kylee	Master's	Science Education	Graduate	The Ohio State University
Hutton, Eric	High School Junior			Columbus Alternative H.S.
Irving, Lance	<b>High School Junior</b>			Hudson High School
Isbell, Wendy	High School Junior			Big Walnut High School
Izquierdo, Juan	Senior	Biology	Arts and Sciences	The Ohio State University
Jackson, Tammy	Senior	Zoology	Arts and Sciences	The Ohio State University
Jeresko, Alice	Senior	History of Art	Arts and Sciences	The Ohio State University
Johnson, Kate	High School Sophomore			Worthington High School
Johnson, Robert	Program 60			The Ohio State University
Johnson, Sharon	Master's	Natural Resources	Graduate	The Ohio State University
Johnston, Karen	Sophomore	Undecided		Ashland University
Johnston, Katherine	High School Junior			West High School
Jones, Susan	Master's	Natural Resources	Graduate	The Ohio State University
Kamens, Helen	High School Sophomore			Newton Falls High School
Kane, Douglas	Sophomore	Zoology	Arts and Sciences	The Ohio State University
King, Greg	Graduate Non-Degree		Graduate	The Ohio State University
Knisely, Chad	Senior	Environmental Science	Arts and Sciences	Bowling Green State University
Kobza, Robert	Junior	Marine Biology	Arts and Sciences	Bowling Green State University
Kondapalli, Lavanya	High School Sophomore	1		Magnificat High School
Kreischer, Gloria	Graduate Non-Degree		Graduate	The Ohio State University
Kucia, Margaret	High School Sophomore			Lake Ridge Academy
Kutschbach-Brohl, Lisa	Master's	Environmental Science	Graduate	The Ohio State University
Lavender, Marc	Sophomore	Biology	Arts and Sciences	The Ohio State University
Lavin, Brian	High School Junior			Hawken School
Lemons, Brandy	High School Junior			Marion-Franklin High School

	Kank	Major	College	Institution
	Senhemore	Biology	University College	1996 The Ohio State University
	High School Junior	3		Columbus Alternative H.S.
	High School Junior			Whetstone High School
	Post-Graduate		Continuing Education	The Ohio State University
	Master's	Microbiology	Graduate	The Ohio State University
	Senior	Biology	Arts and Sciences	The Ohio State University
	<b>High School Junior</b>			Crooksville High School
	High School Junior			Northland High School
	High School Senior			Newark High School
	High School Junior			Ashland High School
	Master's	<b>Environmental Policy</b>	Graduate	The Ohio State University
	Sophomore	Wildlife Mangement	University College	The Ohio State University
	Ph.D.	Zoology	Graduate	The Ohio State University
	Master's	Zoology	Graduate	The Ohio State University
	Post-Graduate/B.S.	Biology	Continuing Education	The Ohio State University
McBride, Christopher	Senior	Zoology	Arts and Sciences	The Ohio State University
	High School Junior	ł		Columbus Alternative H.S.
	Junior	Biology	Arts and Sciences	University of Akron
	Senior	Zoology	Arts and Sciences	The Ohio State University
	High School Sophomore			Delaware Hayes High School
	High School Junior			Elyria High School
	Graduate Non-Degree		Graduate	The Ohio State University
	Master's	Environ Comm, Ed & Interp	Graduate	The Ohio State University
	High School Senior			Ft Jennings High School
	Sophomore	Environmental Studies		Allegheny College
	High School Sophomore			East High School
Mobin-Uddin, Attiya	Master's	Science Education	Graduate	The Ohio State University
	High School Junior			Peoria Notre Dame High School
	Senior	Env Communications	Natural Resources	The Ohio State University
	High School Sophomore			Granville High School
	High School Senior			Brookhaven High School
	High School Junior			R.B. Chamberlin High School
	High School Junior			West Geauga High School
	High School Junior			Lehman High School
	Sophomore	Wildlife Management	University College	The Ohio State University

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Name	Romb	Maine	Collogo	Table 17 cont'd
				1996
<b>OBrien</b> , Colin	Junior	Political Science	Arts and Sciences	The Ohio State University
Olivero, Adele	Master's	Forest Ecology	Graduate	The Ohio State University
Olson, Erin	Senior	Environmental Science	Natural Resources	The Ohio State University
Paas, Colleen	Senior	Zoology	Arts and Sciences	Miami University
Palguta, David	Graduate Non-Degree	1	Graduate	The Ohio State University
Partsch, Jonathan	High School Junior			Columbus Alternative H.S.
Phares, Michelle	Sophomore	Undecided	University College	The Ohio State University
Phillips, Heather	Senior	Biology	Arts and Sciences	The Ohio State University
Radwan, Jennifer	Graduate Non-Degree	<b>Biological Sciences</b>	Graduate	University of Notre Dame
Randall, Kimberly	Graduate Non-Degree		Graduate	The Ohio State University
Ranger, Christopher	Senior	Entomology	Arts and Sciences	The Ohio State University
<b>Reichheld</b> , Jennifer	Senior	Biology		Cuyahoga Community College
Rice, Cheryl	Graduate Non-Degree		Graduate	The Ohio State University
Rosenberg, Neal	Senior	Fish Management	Natural Resources	The Ohio State University
Rusk, Ruth	Post-Graduate		Continuing Education	The Ohio State University
Santy, Bethany	Senior	<b>Environmental Education</b>	Natural Resources	The Ohio State University
Schafrath, Carmi	High School Junior			Grove City High School
Schroeder, Matthew	High School Senior			Centerville High School
Seth, Chanmeak	High School Sophomore			East High School
Shea, Katheryn	High School Junior			<b>Buckeye Valley High School</b>
Shoup, Heidi	Junior	Zoology	Arts and Sciences	The Ohio State University
Sloan, Stephanie	High School Junior			St Clairsville High School
Snider, Matthew	High School Junior			Pickerington High School
Som, Leakhana	High School Junior			Columbus Alternative H.S.
Spare, Carol	Master's	Special Education	Graduate	The Ohio State University
Sponseller, Ryan	Senior	Biology		Baldwin Wallace College
Stauffer, Melinda	High School Junior			Ashland High School
Sterrett, Deborah	High School Sophomore			Columbus Alternative H.S.
Story, Karen	Post-Graduate		<b>Continuing Education</b>	The Ohio State University
Stout, Cheri	Senior	Sociology	Arts and Sciences	The Ohio State University
Swabb, Laura	Master's	Science	Graduate	The Ohio State University
Swinehart, Elizabeth	High School Sophomore			Columbus Alternative H.S.
Takacs, Amy	Senior	Biology	Arts and Sciences	Bowling Green State University
Takacs, Valerie	Senior	Natural Resources/Wildlife Mgt Natural Resources	t Natural Resources	The Ohio State University
Thomas, Andrea	Senior	Environmental Education	Natural Resources	The Ohio State University

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Name	Rank	Major	College	Table 17 cont'd Institution
Tiei David	High School Junior			Euclid High School
Trucks. Dennis	Post-Graduate/M, A. (P)	Early&Mid Childhood Ed	Graduate	The Ohio State University
Tussing, Chad	Master's	Environmental Education	Graduate	The Ohio State University
Untch. Lawrence	Graduate Non-Degree		Graduate	The Ohio State University
Ventola Antony	Senior	<b>Fisheries Management</b>	Natural Resources	The Ohio State University
Vermilion, Phillip	High School Sophomore	I		Newark High School
Versele, Jr., Dennis	Graduate Non-Degree		Graduate	The Ohio State University
Volgin, Olga	Sophomore	Zoology	Arts and Sciences	The Ohio State University
Von Raabe, Philip	<b>High School Junior</b>	i		Upper Arlington High School
Warner, Heather	High School Sophomore			Toronto High School
Washington, Matthew	High School Junior			Newton Falls High School
Watkins, Gardner	Master's	Science Education	Graduate	The Ohio State University
Watters, Jessa	High School Junior			Marysville High School
Weaver, Aaron	High School Junior			Elyria High School
Wellington, B.	High School Junior			Newton Falls High School
Welsh, Amy	High School Sophomore			East High School
White, Sharon	Post-Graduate		Continuing Education	The Ohio State University
Wilcox, Jason	High School Senior			<b>Buckeye Valley High School</b>
Wilder, Suellen	Post-Graduate		Agriculture	The Ohio State University
Williams, Benjamin	Senior	Fisheries	Natural Resources	The Ohio State University
Williamson, Amy	High School Junior			Fairland High School
Willis, Wendie	Master's	Education Practice & Theory	Graduate	The Ohio State University
Winters, Lorraine	Senior	Environmental Science	Natural Resources	The Ohio State University
Wolfel. Mezan	High School Junior			Columbus School for Girls
Wone, Charissa	High School Sophomore			Fort Hayes High School
Wong, Sharon	Senior	Zoology	Arts and Sciences	The Ohio State University
Yackey, Carla	Master's	Marine Biology	Graduate	The Ohio State University
Zeyen, Melissa	Ph.D.	Education Elementary	Graduate	The Ohio State University

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Name	Rank	Major	College	Institution
Alferes Lisa	Master's	Science Education	Graduate	The Ohio State University
Allore, Carole	Graduate Non-Degree		Graduate	The Ohio State University
Ambers, Megan	High School Sophomore			Mapleton High School
Angerman, Charles	High School Junior			Galion High School
Anthony, Kyle	<b>High School Junior</b>			Solon High School
Applegate, Jeromy	Junior	Fish and Wildlife Management	Natural Resources	The Ohio State University
Aram, Kamyar	Junior	Plant Biology	Arts and Sciences	The Ohio State University
Atkins, John	Senior .	Recreation with Biology minor		Asbury College
Barber, Lisa	Master's		Graduate	The Ohio State University
Barkley, Valerey	Graduate Non-Degree		Graduate	The Ohio State University
Bartley, Richard	High School Senior			Marion-Franklin High School
Barton, Alicia	Junior	Environmental Science	Natural Resources	The Ohio State University
<b>Bashore</b> , James	Program 60		Program 60	The Ohio State University
Bashore, Sally	Graduate Non-Degree		Graduate	The Ohio State University
Battershell, Mary	Master's		Graduate	The Ohio State University
Bhardwaj, Deepika	Ph.D.	Env Sci	Graduate	The Ohio State University
Bircher, Lisa	Graduate Non-Degree		Education	Youngstown State University
Blatt, Angela	High School Junior			Whetstone High School
Block-Wilkins, Emily	High School Sophomore			Whetstone High School
Boggs, John	Master's	Science Education	Graduate	The Ohio State University
Booth, Amy	Senior	Computer Sci & Mathematics		Baldwin-Wallace College
Boyd, Christopher	Master's	Education	Graduate	The Ohio State University
Burdick, Stephanie	High School Junior			William Mason High School
Burney, Jeanne	Master's	Sci Math Technology Education Graduate	n Graduate	The Ohio State University
Burns, Casey	High School Sophomore			Fort Hayes High School
Buyansky, Joan	Graduate Non-Degree	Educational Administration	Graduate	The Ohio State University
Cannon, Kristina	High School Junior			Fort Hayes High School
Carey, James	Senior	Fisheries	Natural Resources	The Ohio State University
Carle, Kelly	Senior	<b>Biological Science Education</b>	Education	The Ohio State University
Carleton, Elizabeth	Senior	Environmental Science	Natural Resources	The Ohio State University

Stone Laboratory Student Roster - 1997 (209 students)

Name	Rank	Mator	College	Table 18 cont'd Institution
Chaney, Linette	Post-Graduate		Continuing Education	The Ohio State University
Cheyney, Erica Cichra, Michelle	High School Sophomore High School Junior			Grandview Heights High School Fairview High School
Cline, Jennifer	Sophomore	Biology	Arts and Sciences	Kent State University
Cool, Patrice	High School Senior			Grove City High School
Corey, Sarah	High SchoolSophomore			Fort Hayes High School
Costello, Kathleen	Graduate Non-Degree		Graduate	The Ohio State University
Creque, Sara	Junior	Water Resources & Envir Biol		Heidelberg College
Cristell, Andrea	Sophomore	Undecided		Bowling Green St U-Firelands
Cuffari, William	High School Junior			Holy Name High School
Cullison, Linda	Master's	Science Education	Graduate	The Ohio State University
Cunningham, Scott	Graduate Non-Degree	Education	Graduate	The Ohio State University
Cushman, Emily	High School Sophomore			Fort Hayes High School
Cusick, Sarah	High School Junior			Fairview High School
Dabrowska, Komelia	High School Junior			Upper Arlington High School
Danter, Kenneth	Ph.D.	Human Dimensions	Graduate	The Ohio State University
Daudi, Sabiha	Ph.D.	Natural Resources	Graduate	The Ohio State University
Dawson, Richard	Junior	<b>Business Administration</b>		University of Akron, Wayne Coll
Deitz, David	Junior	Fisheries	Natural Resources	The Ohio State University
DeWalt, Mary	Senior	Waste Management	Natural Resources	The Ohio State University
Dickmann, Brian	Graduate Non-Degree	Science	Graduate	The Ohio State University
Doheny, Patricia	Graduate Non-Degree		Graduate	The Ohio State University
Domske, Helen	Graduate Non-Degree		Graduate	The Ohio State University
Dorsey Wallenhorst, Karen	Graduate Non-Degree		Graduate	The Ohio State University
Doudna, John	High School Sophomore			Barnesville High School
Douridas, Nathan	High School Senior			Marion-Franklin High School
Dunford, Paul	Graduate Non-Degree		Graduate	The Ohio State University
Durkin, Bernard	Ph.D.	Science Education	Graduate	The Ohio State University
Eagleson, Amber	High School Senior			Watkins Memorial High School
Eddy, William	High School Junior			<b>Brookside High School</b>
Elek, Holly	High School Sophomore			Elyria High School
Ellington, Emily	Graduate Non-Degree		Graduate	The Ohio State University
Elliott, Philip	High School Sophomore			Newton Falls High School
Espinal, Luis	High School Junior			Hughes Center
Ethridge, Brandy	High School Sophomore			Central Catholic High School

Name	Rank	Maior	College	Table 18 cont'd Institution
Ferguson, Jason	Junior	Environmental Science		
Fidier, Andrew	High School Schlor			Maumee High School
Fidler, Cheryl	Post-Uraduate		Continuing Education	I be Uhio State University
Filippi, Erika	Senior	Environmental Science	Natural Resources	The Ohio State University
Fleck, Joseph	Senior	Biology	Arts and Sciences	The Ohio State University
Futton, Michael	Graduate Non-Degree		Graduate	The Ohio State University
Gargasz, Nathaniel	Junior	Fisheries Management	Natural Resources	The Ohio State University
Garton, Kristin	Sophomore	Psychology	University College	The Ohio State University
Gathergood, Jennifer	High School Sophomore			Walnut Ridge High School
Gerdeman, Analise	High School Sophomore			Miami Trace High School
Goldfarb, Linda	Sophomore		University College	The Ohio State University
Goodman, Dale	Post-Graduate		<b>Continuing Education</b>	The Ohio State University
Goodwin, Maureen	Graduate Non-Degree		Graduate	The Ohio State University
Green, Deborah	Junior	Env Ed Interpretation & Comm	University College-NRE	The Ohio State University
Hall, Elizabeth	Ph.D.	ECEI	Graduate	The Ohio State University
Hall, Michael	Master's	<b>Environmental Education</b>	Graduate	The Ohio State University
Haltuch, Melissa	Master's	Ecol/Geographic Info Systems	Graduate	The Ohio State University
Hand, Virginia	Graduate Non-Degree		Graduate	The Ohio State University
Hawk, Janelle	High School Junior			Findlay High School
Heidrich, Scott	Senior	Fisheries Mangement	Natural Resources	The Ohio State University
Herak, Patrick	Post-Graduate	Science Education	Continuing Education	The Ohio State University
Hilson, Margilee	Ph.D.	Elementary Education	Graduate	The Ohio State University
Hoffman, Harold	High School Sophomore			St Charles Preparatory School
Holtz, Melinda	Senior	Zoology	Arts and Sciences	Miami University
Humbach, Kristen	High School Sophomore			Seven Hills Upper School
Hunley, Keisha	High School Senior			Fort Hayes High School
Hux, Melanie	High School Senior			Lima Senior High School
Johnson, Kate	High School Junior			Lake Braccock Secondary School
Jones, Patricia	Post-Graduate	Chemistry	Math and Science	Wright State University
Kane, Douglas	Junior	Zoology	Arts and Sciences	The Ohio State University
Kash, Jean	Post-Graduate		Continuing Education	The Ohio State University
Kearns, Scan	Graduate Non-Degree		Graduate	The Ohio State University
Keener, Jean	Post-Graduate		Continuing Education	The Ohio State University
King, Abigail	Junior	Biology		Wittenberg University

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	Rank	Major	College	Institution 1997
	Graduate Non-Degree		Graduate	The Ohio State University
	Graduate Non-Degree		Graduate	The Ohio State University
Konfal, Stephanie	High School Sophomore			Whetstone High School
	Graduate Non-Degree	Education	Graduate	The Ohio State University
	Graduate Non-Degree		Graduate	The Ohio State University
	High School Sophomore			Bishop Ready High School
	Graduate Non-Degree		Graduate	The Ohio State University
	Graduate Non-Degree		Graduate	The Ohio State University
	High School Junior			Briggs High School
avengood, Andrew	High School Junior			Loudonville High School
	Ph.D.	Environmental Educ/Commun	Graduate	The Ohio State University
	High School Sophomore			Bexley High School
	High School Sophomore			Leipsic High School
Linegang, Michael	Master's	Educational Studies	Graduate	The Ohio State University
	Post-Graduate		Continuing Education	The Ohio State University
	Graduate Non-Degree		Graduate	The Ohio State University
	High School Senior			East High School
	Senior	Biology	Arts and Sciences	Xavier University
	Senior	Environmental Science	Natural Resources	The Ohio State University
	Ph.D.	Zoology	Graduate	The Ohio State University
	Master's	Zoology	Graduate	The Ohio State University
	Senior	<b>Environmental Science</b>	Natural Resources	The Ohio State University
	Senior	Anthropol & PreMed Studies	Arts and Letters	University of Notre Dame
McKinney, Robert	<b>High School Junior</b>			Northland High School
	Sophomore	Biology	Natural Resources	The Ohio State University
	<b>High School Junior</b>			Grandview Heights High School
	Master's	Geology	Graduate	The Ohio State University
	Senior	Environmental Science	Natural Resources	The Ohio State University
	High School Junior			Lexington High School
	Sophomore	Environmental Studies		Allegheny College
	Junior	Environmental Science	Liberal Arts College	Defiance College
	Master's	Science Education	Graduate	The Ohio State University
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Name	Rank	Major	College	<b>Table 18</b> cont'd Institution
				1997
Myers, Thomas	Graduate Non-Degree		Graduate	The Ohio State University
Nagy, Emily	High School Senior			Marion L. Steele High School
Nicely, Emily	Post-Graduate		<b>Continuing Education</b>	The Ohio State University
Nicholson, Phyllis	Master's	Elementary Education	Graduate	The Ohio State University
Nixon, Carol	<b>High School Junior</b>			John Marshall High School
Norris, Molly	High School Sophomore			Whetstone High School
Nunney, Donald	Graduate Non-Degree	Social Sciences/Elem Educ	Graduate	The Ohio State University
O'Malley, Kendra	High School Sophomore			Newton Falls High School
<b>Overholser</b> , Lynette	Sophomore	Horticulture	University College	The Ohio State University
Pahys, Kristin	Senior	Environmental Science	Natural Resources	The Ohio State University
Paulus, Scan	Junior	Zoology	Arts and Sciences	The Ohio State University
Pennington, Michael	Post-Graduate	1	<b>Continuing Education</b>	The Ohio State University
Peters, Christina	High School Junior		I	Mifflin High School
Pierse, James	High School Junior			Lorain Co Joint Vocational Sch
Pitman, Pamela	Graduate Non-Degree		Graduate	The Ohio State University
Plaat, Roberta	Post-Graduate	Education	Continuing Education	The Ohio State University
Pollock, Candace	Master's	Agricultural Communications	Graduate	The Ohio State University
Powers, Loucile	Senior	Environmental Science	Natural Resources	The Ohio State University
Protopopow, Tanya	High School Sophomore			Whetstone High School
Raab, Heather	Junior	Environmental Communication Natural Resources	Natural Resources	The Ohio State University
Reineck, Matthew	High School Sophomore			St Joseph Central Catholic H.S.
Remenyi, Raechel	High School Sophomore			Whetstone High School
Robertson, Dorothy	Master's	Education	Graduate	The Ohio State University
Rush, Brian	Sophomore	<b>Biology/Marine Biology</b>	Arts and Sciences	University of Cincinnati
Salpietra, Melissa	High School Sophomore			Granville High School
Schleibaum, Joy	Freshman	Biology		Cincinnati St Tech&Comm Col
Schone, Chad	Master's	Entomology	Graduate	The Ohio State University
Schroeder, Ryan	High School Junior			<b>Columbus Grove High School</b>
Scott, Darryl	Master's	Science Education	Education	The Ohio State University
Scribner, Melanic	High School Junior			Defiance High School
Sells, Aaron	High School Sophomore			Columbus Alternative H.S.
Severance, David	Senior	Zoology		Miami University
Shah, Elaine	Master's	Science Education	Graduate	The Ohio State University
Shalwitz, Isaiah	High School Sophomore			Bexley High School
Sharp, Reta	Graduate Non-Degree		Graduate	The Ohio State University

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Nime	Rank	Maior	College	<b>Table 18</b> cont ² d
1000				1997
Shelton. Richard	Senior	Zoology	Arts and Sciences	The Ohio State University
Shoup, Heidi	Junior	Zoology	Arts and Sciences	The Ohio State University
Shull, Jane	Graduate Non-Degree	ł	Graduate	The Ohio State University
Skinner, Gabriel	Sophomore	Pre-med	University College	The Ohio State University
Smith-Hughes, Christopher	<b>High School Junior</b>			St Charles Preparatory School
Stack, Stephen	<b>High School Junior</b>			St Joseph High School
Stanton, Robert	Ph.D.	Entomology	Graduate	The Ohio State University
Stark, Robert	Ph.D.	Zoology	Graduate	The Ohio State University
Steele, William	Graduate Non-Degree	ł	Graduate	The Ohio State University
Sternberg, Teresa	Graduate Non-Degree		Graduate	The Ohio State University
Stigall, Alveia	Junior	Geology & Biology	Arts and Sciences	The Ohio State University
Stover, Daniel	High School Sophomore	;		Upper Arlington High School
Swalm, Charles	Graduate Non-Degree		Graduate	The Ohio State University
Thomas, Matt	Graduate Non-Degree		Graduate	The Ohio State University
Tieche, Jennifer	<b>High School Junior</b>			<b>Big Walnut High School</b>
Toops, Mary	Graduate Non-Degree		Graduate	The Ohio State University
Treaster, Sharon	Graduate Non-Degree	Agriculture/Landscape Hort	Graduate	The Ohio State University
Tripp, Thomas	Graduate Non-Degree	Science Education	Graduate	The Ohio State University
Trzebuckowski, Tracey	Master's	Secondary Science Education	Graduate	The Ohio State University
Ulery, Megan	<b>High School Junior</b>	ſ		Westerville South High School
Vang, Phuong	High School Senior			John Marshall High School
Ventola, Antony	Senior	Fish Management	Natural Resources	The Ohio State University
Versele, Dennis	Graduate Non-Degree		Graduate	The Ohio State University
Villasenor, Claudia	High School Senior			Northland High School
Voit, Elizabeth	Graduate Non-Degree		Graduate	The Ohio State University
Vorys, George	High School Sophomore			Columbus Academy
Walker, Mark	<b>High School Junior</b>			Robert Taft High School
Wang, Chinn	High School Sophomore			Upper Arlington High School
Wartman, Megan	<b>High School Junior</b>			West Liberty-Salem High School
Wcaver, Anna	High School Sophomore			Upper Sandusky High School
Welch, Bradley	Ph.D.		Graduate	The Ohio State University
Welch, Lena	Sophomore	Psychology	Arts and Sciences	The Ohio State University
West, Akilah	High School Senior			Columbus Alternative H.S.
West, Brooke	High School Sophomore			Westlake High School
Wilson, Thomas	Graduate Non-Degree		Graduate	The Ohio State University

Table 18 cont'd	1997		igh School	rsity	rsity	h School	loc	rsity
Tab Institution		I he Unio State University	Grandview Heights High School	The Ohio State University	The Ohio State Univer	Westerville South High School	John Glenn High School	Ohio Wesleyan University
	-		-	ation	-			-
Callere		Uraquate		Continuing Education	Graduate			
Maior								Zoology
		JTAQUARE NOR-LUERTCC	ol Junior	ate/audit	Graduate Non-Degree	ol Sophomore	ol Junior	
Rank			High School Junior	Post-Graduate/audit	Graduate N	High Schoo	High School Junior	Junior
		nne	ullia	mes	delia	Wendy	manda	hian
Name	G -91-111	wolfe, bonne	Wood, Mii	Wright, James	Young, An	Zavatchan, Wendy	Ziegler, Amanda	Zinsser, Rhian

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#### Franz Theodore Stone Laboratory: Program Summary 1995-1997

OHSU-TB-034. 1998.

F.T. Stone Laboratory School of Natural Resources College of Food, Agricultural and Environmental Sciences The Ohio State University

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All staff members listed are located in Columbus, except for the Laboratory Languer

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