

Ohio Sea Grant College Program

Friends of Stone Laboratory

Annual Report 2006-2007

F R I E N D S O F
STONE LABORATORY



OHSU-TB-086©2007

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**Friends of Stone Laboratory
8 September 2007
Annual Meeting**

Agenda

Welcome and Introductions	Chris Winslow, FOSL President
President's Report	Chris Winslow
Treasurer's Report	Lydia Bailey
Director's Report	Jeff Reutter
Lab Managers' Report	John Hageman—Workshops Matt Thomas—Research
25th Anniversary Comments	Karen Jennings
Awards	Chris Winslow and Jeff Reutter
Annual Business Meeting	Chris Winslow
	<ul style="list-style-type: none">• Election of Officers and Board Members• New Business
Closing Comments	Chris Winslow

Presidents Report
8 September 2007
Christopher J. Winslow – FOSL President

As another year of FOSL support comes to an end I want to highlight some of the many accomplishments FOSL members have been responsible for during their 25th year of existence.

- State Science Day Scholarships have been named after “Putty”
- Another successful Open House (2006)
- Co-hosted 2006 Buckeye Island Hop
- Hosted Winter Program featuring Chris Redfern and Mike Hoggarth
 - Silent auction raised approximately \$2,000.00
- Advertisement at MEEC Midwest Ecology and Evolution Conference
- Numerous scholarships
- Purchased new T-shirts, water bottles, and decals to increase outreach and revenue
- Painted 25th anniversary script on dining hall porch
- Successful Spring Work Weekend (general cleaning, trash removal, library organization, and reprint organization)
- Participation in State Science Day; judging of projects
- Pushed for the purchase of “Fish Lake Erie” license plates
- Distributed free Stone Lab water bottles to celebrate 25th anniversary and to increase visibility of Stone Lab
- Hosted FOSL donor appreciation dinner
- Looking to establish the ability to match funds when people donate to FOSL
- Sponsored 2007 guest lecture series (provided coffee, tea, and snacks)
- Sponsored 25th on the 25th (upgraded dinner and desserts for summer students on the 25th of June and July)
- Generation of FOSL handbook
- Extension of term limits
- Third year of success for the REU program

Personally, I am extremely proud of the last four accomplishments. FOSL has accomplished amazing things in its 25 years of existence and it is fitting that we dedicated much of this year in recognition of that feat. The 25th on the 25th and the Stone Lab water bottles helped us show our appreciation for past efforts and allowed us to promote more involvement. I realized early in my term that the responsibilities of the president are numerous and demanding. I also recognized that to accomplish goals more efficiently and make a greater impact on the laboratory the president needs more than one year of service. I am glad the executive committee and board were receptive to my push for extended term limits. I'm also excited that we have pulled together a FOSL handbook to aid the next president, executive committee, and board. The responsibilities of the president have grown over the last 25 years and too much of that work is being dumped on the office in Columbus. Now that there is some consistency on the executive committee we will be able to assume more of the responsibilities that have slipped to Columbus. Finally, I am extremely happy with the success and performance of the third year REU students. I am glad that we were able to provide the money to support these motivated, dedicated, and creative students. I look forward to a second year of service and appreciate the opportunity to do so.

Director's Report— 2006-07

Jeffrey M. Reutter, Ph.D., Director

Franz Theodore Stone Laboratory, Ohio's Lake Erie laboratory, is this nation's oldest freshwater biological field station and the North Coast Campus of The Ohio State University. Stone Laboratory is part of Ohio Sea Grant and serves as the research, education, and outreach facility for the Program and the shared research facility of the Great Lakes Aquatic Ecosystem Research Consortium (GLAERC), a consortium of 12 of Ohio's best colleges and universities. Originally called the "Lake Laboratory," the Laboratory began when a second floor was built on the state fish hatchery in Sandusky in 1895. In 1929, the Laboratory moved to its current location on the 6.5-acre Gibraltar Island at Put-in-Bay. Each summer, Ohio Sea Grant offers outstanding college courses taught by some of the best faculty in the country at the Laboratory. We offer courses specifically for teachers, graduate students and upper-level undergraduates, and introductory courses for college freshmen and sophomores and superior high school students. In this way, high school students can get college credit while still in high school by taking courses at Stone Laboratory. Ohio Sea Grant offers a spring and fall aquatic workshop/field trip/conference program at the Laboratory that attracts 145-180 groups and 5,300 – 5,800 participants annually. Research goes on year-round at the Laboratory.

Vision for the Future. Our vision is to be universally recognized as the premier freshwater education and research facility in the country. Our education and research programs will be unsurpassed. Our education programs will be models for science education in this country. Our research will continue to solve Lake Erie environmental problems and enhance the value of the Lake.

Mission. The mission of the Franz Theodore Stone Laboratory is to serve The Ohio State University, the Ohio Sea Grant College Program, the State of Ohio, and the people of Ohio as their research, education, and outreach facility on Lake Erie. We must enhance the value of, and improve the management of, our marine, coastal, and Great Lakes resources through the education, research, and outreach programs conducted at the Laboratory. The Laboratory's programs should address the needs of, and create opportunities for, the following audiences: students in grades 4-12, college undergraduate and graduate students, K-12 teachers, research scientists, decision-makers and elected officials, technical staff in state and federal agencies, and the general public. Within this mission we have several goals:

- 1) Improve the quality of science education in Ohio by creating high-quality, hands-on science education opportunities for students in grade 4 through adults;
- 2) Create opportunities for undergraduate and graduate research training;
- 3) Create special educational opportunities for high school students and teachers;
- 4) Foster more informed decision-making through education and training programs for decision-makers and elected officials; and,
- 5) Encourage and support research on critical issues and problems facing Lake Erie, the Great Lakes, and the environment, providing the science behind more informed management decisions.

Participating Institutions. At Stone Laboratory, the faculty we have hired to teach our courses have come from 11-15 different colleges and universities annually since 2000, and the college students taking these courses have come from 12-22 colleges and universities annually. Furthermore, since 1990, our students have come from 102 different colleges and universities.

Students Supported. From 2000-2007, approximately 1,480 students participated in our college level courses at Stone Laboratory and approximately 175 graduate and undergraduate students were supported on Sea Grant projects.

Education Opportunities at Stone Laboratory. We offer approximately 25 courses for college credit at Stone Laboratory each summer. These courses include upper level, 5-week courses, 1-week introductory courses (superior high school students can participate in these courses and receive college credit while still in high school), and 1-week courses for teachers. During the spring and fall we offer a workshop/field trip/conference program for grade 4 through adults, including programs for senior citizens. Since 1990 our summer students have come from 102 different colleges and universities and 360 high schools with an average summer enrollment of approximately 200 students. From 2000-2007, our workshop program has attracted over 1200 groups and over 42,000 participants. Evaluations show that: 1) our courses are far better than courses taken on the students' main campuses, 2) teachers use the information they learn at Stone Laboratory in their own school systems, and 3) middle school and high school students who participate in our field trips/workshops have a long-term attitudinal change in their opinion and enjoyment of science and environmental issues.

Scholarships. With the assistance of the Friends of Stone Laboratory, our private sector advisory committees, and many private donors, we were successful in raising enough money to award scholarships to 211 college students (25 in 2007) and 121 high school students (12 in 2007) taking courses at Stone Laboratory from 2000-2007. We also evaluated approximately 300 projects and awarded 79 scholarships (9 in 2007) to outstanding high school students participating in State Science Day supported by the Ohio Academy of Science from 1996-2007. Together, these scholarships were valued at \$132,269 (2000-2007) (\$20,755 in 2007).

REUs. The Friends of Stone Laboratory created the Thomas H. Langlois Research Endowment in 1986 with the assistance of the Langlois family. The John L. Crites Research Endowment and the Franz T. Stone Research Endowment were created in 2002. These endowments have a combined value in excess of \$535,000, and approximately \$500,000 was added since 2000. In 2005 we created a new Research Experience for Undergraduates (REU) program at the Laboratory patterned loosely after NSF's REU program. The majority of our upper-level, 5-credit hour courses are taught from 8:00-4:00 every other day (M, W, F or T, Th, S) for 4.5 weeks. For the new REU program, we arranged for students to take one of our upper level courses and to participate on research projects on their three "off-days." They each received three hours of independent study credit for this research experience, and their tuition for eight hours and their room and board at the Laboratory were paid. Each student was allowed to choose the course they wanted to take and the research experience they desired: "fisheries research" working on smallmouth bass and round goby interactions, "herpetology research" working on the endangered Lake Erie water snake and fox snakes, or "limnology research" working on the "Dead Zone." A total of 15 REUs valued at \$49,006 were awarded to students from as far away as Arizona in 2005. In 2006, a total of \$26,788 was awarded to 9 students. In 2007, a total of \$37,271 was awarded to 11 students. This is a tremendously successful program and we are actively seeking ways to increase donations to these endowments.

Teacher Fellowships and Scholarships. In 2006, with funding from Ohio Sea Grant Dr. Rosanne Fortner was able to award 5 full-ride fellowships to teachers taking up to 9 hours of courses at Stone Lab. Dr. Fortner was also successful in arranging for the USEPA's research vessel, the 180-ft *Lake Guardian*, to take 16 teachers from around the region (including 2 from Stone Laboratory) on a special 1-week ship-board course. In 2007 three Teacher Fellows were funded.

Endowment Development and Growth. We are most pleased with the growth of our endowments, as we have added 10 endowments since 1999 valued at more than \$700,000. The program now has 16 endowments and the total value of our endowments exceeds \$1.5 million. As endowments, we are able

to spend a portion of the income they generate each year. As a result, they will last forever and continue to grow in value. To review, in 1999 we added two endowments held at the Sandusky/Erie County Community Foundation to support our education programs at Stone Laboratory and our education efforts for elected officials and decision-makers. Jack Waldock, former Chair of the Director's Advisory Council and our Northwest Ohio Advisory Committee made the initial donations to the endowments, which were matched by gifts from the Mott Foundation and the Great Lakes Protection Fund.

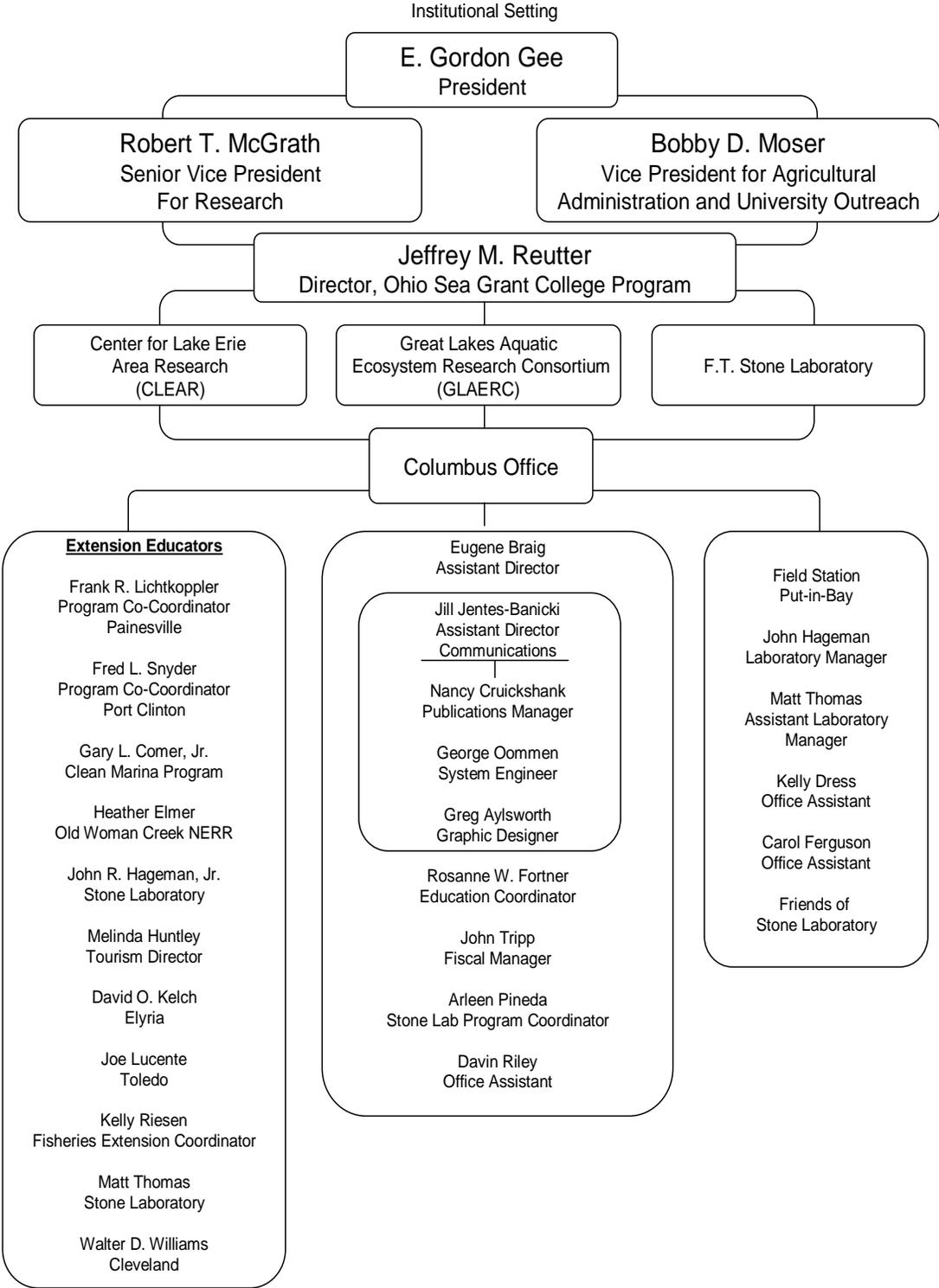
In 2002, the John L. Crites Research Endowment and the Franz T. Stone Research Endowment were formed (combined value now approximately \$650,000). Dr. Crites is the retired Associate Director of the Laboratory and Chair of the Zoology Department at Ohio State. Franz Stone was the son of Julius Stone who donated Gibraltar Island to Ohio State. Among other things, these endowments are supporting the REU Program and the Visiting Scientist Program at Stone Laboratory.

In 2004, we formed the John H. Dunlap Education and Development Fund, the Spark Baumler Memorial Scholarship Fund, the Kelly Prochazka Memorial Scholarship Fund, and the Jackson and Sally Smith Scholarship Fund. John Dunlap was the Director of the Research Foundation at Ohio State and the father of Shirley Bowser, a former member of the Ohio State Board of Trustees. Shirley and her husband, Cliff, created this endowment with help from the Kellogg Foundation, the Columbus Foundation, FOSL, and the Leigh Perkins Family Trust. In addition to education and outreach support, this is the first endowment that allows us also to support development or fund-raising activities. Bill "Spark" Baumler was an active boater and angler and a member of our North Central Sea Grant Advisory Committee. Kelly Prochazka first encountered Stone Laboratory as a middle school student on a field trip. She then took courses at the Laboratory following her sophomore and junior years of high school. She died unexpectedly during her senior year. Based on the impact the Stone Laboratory experience had on her life, her parents, Charlene and Bill, created this endowment with the help of FOSL. Charlene is the current President of FOSL. Jackson and Sally Smith are avid boaters on Lake Erie who want to help the program and the development of the next generation of resource managers.

In 2006, with the help of the FOSL, Rosanne and Richard Fortner, and family, were successful in creating the Fortner Teacher Endowment to support scholarships for teachers taking courses at Stone Lab. Dr. Reutter is continuing to work to enhance private funding with tremendous support from the University, but the real credit goes to the Friends of Stone Laboratory (FOSL) and the members of our Sea Grant Advisory Committees. One of our current areas of emphasis is the creation of the "Stone Laboratory Tuition Reduction Fund" to reduce tuition costs for all students attending the Laboratory. The fund has been created, but it has not reached the \$25,000 minimum level necessary to become an endowment.

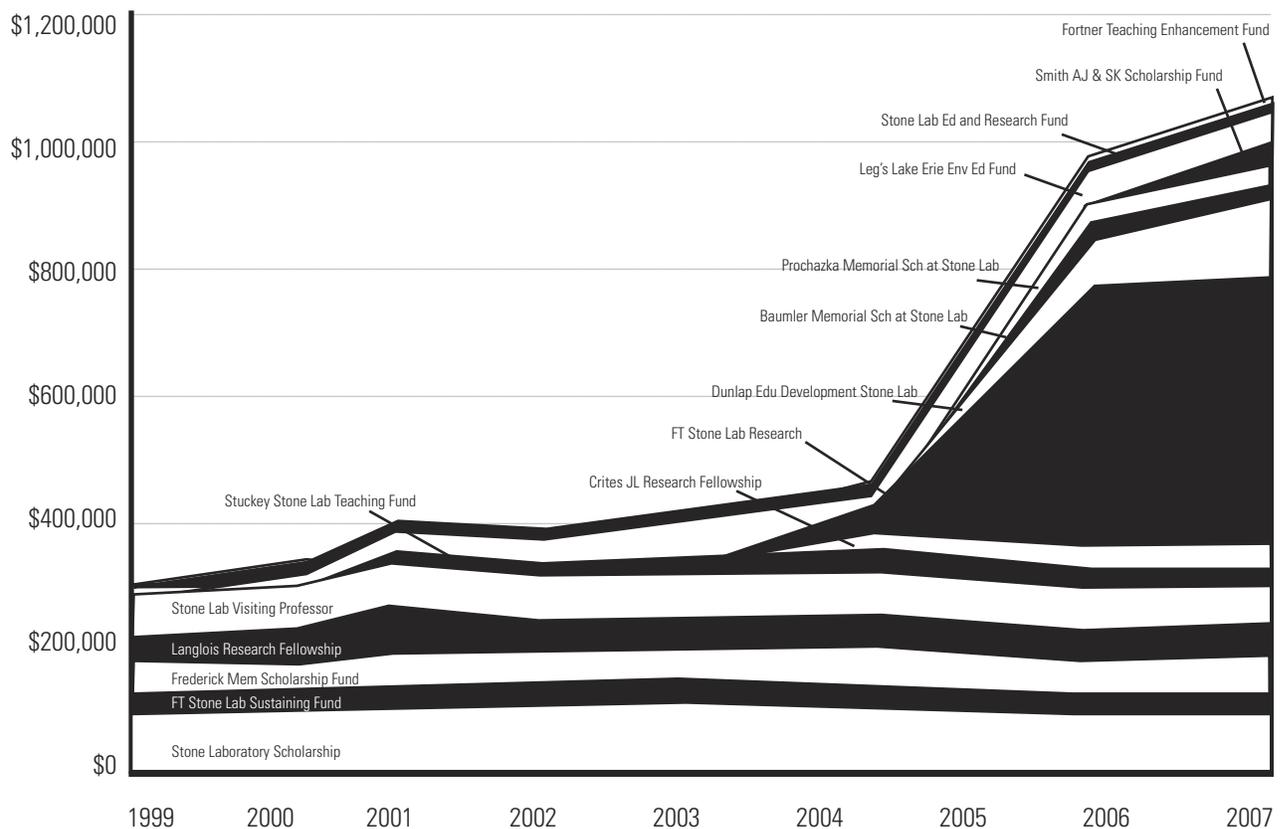
Other Awards and Improvement Projects. The downturn of the state's economy has made it impossible to achieve our goal of increasing our state line item to \$1.2 million—our goal in 2000. However, with the help of State Representative Bob Latta, we were successful in having our state line item restored to 1998 levels of \$300,000 annually (up from \$237,000 annually), and with the help of State Representative Chris Redfern, we were successful in getting an appropriation of \$500,000 for physical renovations in the Stone Lab Building and the Research Building. Furthermore, with more help from Representative Redfern, in spring 2005 the Legislature passed a bill creating a new license plate for Ohio with the slogan "Fish Lake Erie" on the bottom. Proceeds from the sale of this plate (\$15/plate) will go to Ohio Sea Grant and Stone Laboratory. These plates are now available for purchase. Finally, with major help from The Ohio State University, sewer and water lines are being placed to connect Stone Laboratory with the Village of Put-in-Bay (over \$2.5 million).

Organizational Chart for Ohio Sea Grant and Stone Laboratory



Endowment values (June 20 Equity Reports)

Fund	Description	1999	2000	2001	2002	2003	2004	2005	2006	2007
607012	Stone Laboratory Scholarship <i>(Established Sept. 2, 1983)</i>	\$99,731	\$104,029	\$112,524	\$115,349	\$117,373	\$99,255	\$100,735	\$101,042	\$102,134
607015	FT Stone Lab Sustaining Fund <i>(Established Dec. 8, 1983)</i>	\$43,766	\$44,361	\$45,046	\$46,016	\$46,601	\$47,651	\$50,401	\$50,968	\$52,689
602290	Frederick Memorial Sch Fund <i>(Established April 4, 1986)</i>	\$30,616	\$32,524	\$45,701	\$45,786	\$45,911	\$45,986	\$46,186	\$46,236	\$46,276
603930	Langlois Research Fellowship <i>(Established Dec. 5, 1986)</i>	\$33,716	\$39,148	\$46,638	\$34,896	\$40,146	\$40,271	\$40,346	\$41,596	\$41,596
607014	Stone Lab Visiting Professor <i>(Established Sept. 7, 1987)</i>	\$45,669	\$45,669	\$45,719	\$45,719	\$45,719	\$45,779	\$45,871	\$45,871	\$45,921
605406	Sea Grant Endowment <i>(Established Feb. 6, 1987)</i>	\$18,312	\$18,822	\$19,472	\$20,202	\$20,742	\$21,552	\$21,951	\$23,486	\$25,160
	Leg's Lake Erie Env Ed Fund <i>(Established July 1, 1999)</i>	—	\$9,508	\$33,330	\$29,262	\$33,468	\$35,308	\$36,388	\$36,388	\$46,006
	Stone Lab Ed and Research Fund <i>(Established November 30, 1999)</i>	—	\$14,431	\$13,358	\$11,533	\$13,075	\$13,787	\$14,210	\$14,210	\$15,721
607052	Stuckey Stone Lab Teaching Fund <i>(Established Feb. 2, 1996)</i>	—	—	\$16,455	\$16,905	\$17,325	\$18,100	\$18,605	\$18,954	\$19,205
601510	Crites JL Research Fellowship <i>(Established Sept. 6, 2002)</i>	—	—	—	—	\$30,815	\$33,757	\$39,617	\$40,817	\$45,127
602289	FT Stone Lab Research <i>(Established Sept. 6, 2002)</i>	—	—	—	—	\$67,901	\$458,555	\$459,934	\$460,184	\$461,108
641860	Dunlap Edu Development Stone Lab <i>(Established Feb. 6, 2004)</i>	—	—	—	—	—	\$54,692	\$130,343	\$131,043	\$131,643
600389	Baumler Memorial Sch at Stone Lab <i>(Established March 5, 2004)</i>	—	—	—	—	—	\$25,000	\$25,170	\$25,420	\$25,420
605928	Prochazka Memorial Sch at Stone Lab <i>(Established March 5, 2004)</i>	—	—	—	—	—	\$25,025	\$25,665	\$25,875	\$26,224
646690	Smith AJ & SK Scholarship Fund <i>(Established Nov. 5, 2004)</i>	—	—	—	—	—	—	\$25,100	\$25,100	\$26,100
662261	Fortner Teaching Enhancement Fund <i>(Established Nov. 5, 2004)</i>	—	—	—	—	—	—	—	\$25,175	\$25,175
	Total Equity	\$271,810	\$308,493	\$378,243	\$365,669	\$479,076	\$964,719	\$1,080,522	\$1,112,365	\$1,135,505
	<i>Percentage change</i>	—	13.50%	22.61%	-3.32%	31.01%	101.37%	12.00%	2.95%	2%



FOSL Budget
September 2006-August 2007
August 31, 2007

	<u>Budget</u>	<u>To Date</u>	<u>Note(s)</u>
<u>Newsletter</u>			
FOSL FY 2007	\$4,000.00	\$0.00	FOSL pays 58.3% of total cost
Total	\$4,000.00	\$0.00	No TwineLine costs were expensed this FY
<u>Open House (September 9, 2006)</u>			
Meals	\$1,380.00	\$150.00	pizza
Housing	\$440.00	\$0.00	
Transportation	\$0.00	\$0.00	
less Housing & food payments received	\$0.00	\$0.00	
less Donations	\$0.00	\$0.00	
Total	\$1,820.00	\$150.00	
<u>Winter Program (February 28, 2007)</u>			
Food	\$0.00	\$397.25	
Room rental	\$300.00	\$53.51	
Printing, supplies	\$100.00	\$0.00	
Postage	\$300.00	\$6.99	
less Donations	\$0.00	\$0.00	
less Silent Auction proceeds	\$0.00	\$0.00	~\$2,000 will be transferred in ~Sept. 07
Total	\$700.00	\$457.75	
<u>Work Weekend (April, 2007)</u>			
Meals	\$142.50	\$0.00	
Housing	\$210.00	\$0.00	
Miscellaneous	\$50.00	\$0.00	
Transportation	\$150.00	\$208.00	\$208.00 posted 10-04-06 for '06 SWW
Total	\$552.50	\$208.00	
<u>Fund Raising</u>			
Printing, supplies	\$400.00	\$0.00	
Postage	\$1,200.00	\$285.80	
Miscellaneous	\$100.00	\$0.00	
Total	\$1,700.00	\$285.80	
<u>Miscellaneous</u>			
Merchandise	\$0.00	\$2,140.72	Merchandise "profit"
Miscellaneous	\$0.00	\$2,318.75	Water bottles expense
Student Employees	\$5,000.00	\$0.00	
Total	\$5,000.00	\$4,459.47	
<u>Donations</u>			
Donations to FOSL General Fund	\$0.00	\$7,770.00	\$2,170 from '06 Winter Lecture, posted in Se
Total		\$7,770.00	
<u>Transfers</u>			
Chef Art Endowment	\$0.00	\$0.00	\$6,000 commitment
Tuition Reduction Endowment	\$0.00	\$5,000.00	
Total		\$5,000.00	
Total FY07 Revenue	\$0.00	\$12,229.47	
less FY07 Expenses	\$13,772.50	\$6,101.55	
Revenue Greater than Expenses		\$6,127.92	
FY06 Carryover		\$8,348.85	
FOSL FY07 Ending Balance		\$14,476.77	
less proposed carryover for FY08		\$6,000.00	
Available Discretionary Funds FY07		<u>\$8,476.77</u>	

Annual Meeting Friends of Stone Laboratory 9 September 2006

President Doug Kane called the meeting to order. He welcomed all of the Friends to the meeting. The preliminary attendance account for the Open House activities was approximately 1,100.

Dr. Jeff Reutter, Director, welcomed all of the Friends who were in attendance and requested everyone to introduce themselves.

Doug Kane kept his President's report to a minimum and referred everyone to the summary of accomplishments in the annual report.

John Hageman, Laboratory Manager, reported some highlights of the past year from his perspective:

Spring workshops were well attended and proceeded quite well. Anticipated the fall workshops would likely be full also and are scheduled through the end of October.

Summer classes went well without any major problems.

The Wednesday open house tours continued this past summer. Approximately \$2,000 was generated in the attendance fees.

Some island landscaping was performed prior to the Ohio Sea Grant legislative Day.

Matt Thomas achieved his 50 ton Master Captain's License.

Many small conferences and meetings were hosted at Stone Lab.

Buckeye Island Hop is scheduled for this fall and there are many tasks needing done at various venues around the islands.

There are plans for arborists to inspect, trim and remove any trees on Gibraltar which need attention.

Matt Thomas, Asst. Laboratory Manager, touched on a few of the research related events that happened at Stone Lab this past summer:

The Discovery Channel show "Dirty Jobs" was on the island and filmed a segment featuring Kristin Stanford and her work researching the island snakes. No air date is known yet.

The R.E.U. program was very productive and effective again this summer.

There were about the usual number of major research projects taking place. Two new projects looked at comparing satellite imagery versus chemical analyses and a high tech sonar used to look at the deep composition of the sediments on the lake bottom.

Lydia Bailey, FOSL Treasurer, highlighted some points in addition to the material presented in the annual report. She reported that FOSL had operated under budget on almost every line item in the budget. She also pointed out that the Rosanne Fortner endowment was now fully established. Donations and sales of t-shirts, etc. brought in approximately \$800 at the open house today.

Dr. Jeff Reutter reviewed a few points of interest in addition to the materials in the annual report:

Since 2000, over 11,000 groups have toured and/or participated in workshops and activities at Stone Laboratory. The R.E.U. program continues to attract a lot of interest from both undergraduates and researchers. The program is producing both good scientific data, but also well trained young researchers.

The "Fish Lake Erie" license plate is now available through the Ohio BMV. A minimum of 1,000 plates need to be sold in order to keep the plate available for future years. So far, after about 1 month of sales, there are only 100 that have been sold. Money generated from the sales of the plate goes to support Ohio Sea Grant and Stone Laboratory. Lydia Bailey was the top volunteer from FOSL in getting signatures on the petitions necessary to create this new plate.

Doug Kane presided over the following motions which were voted on by those members of FOSL that were in attendance.

1. Proposed slate of officers and board members for FOSL 2006-7

Past Pres. – Doug Kane

Pres. – Chris Winslow

V. Pres. – Lisa Bircher

Treasurer – Lydia Bailey

Secretary – Joan Bradley

Board – Terri Rice, Deb Vallance, Jeff Niehaus, Tom Thorne, Lyndsey Manzo,
Tracey Meilander

Moved: Karen Jennings

Seconded: Lydia Bailey

Motion passed

2. Proposed moving \$5,000 from the FOSL general operating fund to the newly defined Tuition Reduction endowment and further to match 1:1 all donations up to the next \$10,000. (This will fully fund the endowment at the necessary \$25,000 level.)

Moved: Lisa Bircher

Seconded: Karen Jennings

Motion passed.

3. Proposed amendments to the FOSL by-laws in:

Article VI, Section 9 allowing for taking a board vote through mailed or electronic means if deemed necessary.

Article X, Sections 1 and 4 respectfully defining when the annual meeting will be held and allowing for electronic posting of annual meeting agendas prior to the annual meeting.

Moved: Lydia Bailey

Seconded: Terri Rice

Motion passed

Chris Winslow, newly elected FOSL Pres., made some brief comments covering how exciting it is to see FOSL participating in creating a “wish list” of support items to meet the needs of the faculty, researchers, and students at Stone Lab. Chris also reiterated his support for the R.E.U program. The types of research data that this cooperative program generates are of a very high quality and assist the researchers greatly. On a personal note, Chris is presenting a research paper at the National Fisheries Society Meeting the week of 9/10/06. His research has been aided through the use of R.E.U. research assistants.

The meeting was adjourned.

FOSL Board Profiles

Chris Winslow -- President 2006 – 2008

Chris has lived in Toledo for two years now. His association with Stone Lab began when he started his PhD. research during the summer of 2004. He lived on the island that summer and during the summer of 2005. He got involved with FOSL when he was nominated for vice president. He received his Bachelors degree in biological sciences from Ohio University in 1997, masters from BGSU in 2000, and have one year left before I graduate with my doctorate from the same institution. His research focuses around aquatic ecology; specifically dealing with both the round goby and dreissenid and how they effect the growth and survival of young-of-the-year smallmouth bass. Not only is he pursuing his doctorate but he is also a fulltime instructor at BGSU and has been since 2000.

Lisa Bircher -- Vice President 2006 – 2008

Lisa grew up in Youngstown, Ohio and graduated from Youngstown State University in 1993 with a B.S. in secondary education. Lisa has enjoyed teaching science at East Palestine High School since 1993. Lisa is married to Harry Bircher and they reside in Columbiana, Ohio with five cats. Lisa's involvement with the Ohio State University's Stone Laboratory started in the summer of 1997 when she took a course in entomology for professional development and renewal of her teaching certificate. Lisa enjoyed the course so much that she has continued to take courses at Stone Lab every summer up to the present. Lisa was so motivated as a result of course work at Stone Lab that she enrolled in the M.S. program in Natural Resources at the Ohio State University. She was able to complete most of the course work through Stone Lab and obtained her M.S. in Natural Resources in the summer of 2002. Lisa was admitted to the doctoral program in Teaching, Leadership and Curriculum Studies at Kent State University in the fall of 2006. She is excited about the opportunity to broaden her educational opportunities while maintaining a connection to Stone Lab in that she desires to conduct her dissertation research at Stone Lab.

Lydia Bailey -- Treasurer 2002 -

Lydia attended the Stone Laboratory in the summers of 1999-2000. She has a Bachelors of Science in Business Administration from The Ohio State University's Fisher College of Business and a Master of Arts from The Ohio State University's John Glenn School of Public Affairs. In addition to being Treasurer with the Friends of Stone Laboratory, Lydia also sits as Director of Finance for Center Pointe Church, Academic Development and Financial Advisor for the Chi Epsilon (OSU) undergraduate chapter and corporation board for Omega Upsilon (OU) undergraduate chapter of the Alpha Omicron Pi Sorority, as well as an officer on the board of directors for the Greater Columbus Area Alumnae Chapter. She is also active in Green Energy Ohio and the Midwestern Renewable Energy Association.

Joan Bradley -- Secretary 1992 -

Joan was a student at Stone Lab during 1989-91 taking Aquatic Entomology, Ichthyology, Fish Ecology, and Limnology. One summer she was also an assistant to the lab secretary. In 1990 Joan began working with the FOSL Board of Directors and began as secretary since 1992. Joan is a Lecturer in Biology at OSU-Mansfield and has been teaching there since 1985. She and husband John live in Caledonia, OH near Marion where he is Spiritual Care Coordinator for Heartland Hospice, Marion/Marysville Team. There are two Bradley daughters and, if you look, you can see their listings as Carp Cup winners at various times. Lauren is the elder of the two and is an Office Management Specialist for the U. S. State Department, and is posted in Dar es Salaam, Tanzania. Joan visited recently and they had a wonderful safari seeing tons of animals and were able to see all of the "Big Five". Rachel, the younger daughter, is a Cardiac Critical Care RN at Cleveland Clinic. She recently married Frank Zayas and they are busy with improvements to their house in New Middletown, OH. Joan has two "granddogs", Nana in Dar es Salaam, and Cochina in New Middletown.

Doug Kane -- Past President 2006 – 2008

Doug grew up in Westlake, Ohio and graduated from Westlake High School in 1995. He received his B.S. in Zoology with minors in Plant Biology and History of Art in 1999 from The Ohio State University. He also received his M.S. from Ohio State in Evolution, Ecology and Organismal Biology in 2002 and his Ph.D. in 2004. Doug took classes at Stone Lab every summer between 1996 and 2002 and was a teaching assistant in 1999, 2000, 2001, and 2004. In 2002, Doug was elected President of the Graduate Evolution and Ecology Students at Ohio State and conducted research on Lake Erie aboard the USEPA's RV Lake Guardian. Doug received an Outstanding Teaching Award from the Department of EEOB in 2003. Doug was a member of Ohio State's Academic Team for 9 years and was selected All-Region for his final tournament in 2004. During 2004-2006, Doug was a Visiting Instructor at Otterbein College and a Visiting Instructor and Visiting Assistant Professor at the Ohio State University. During the summers of 2005-2007, Doug taught Introduction to Ecology, Field Ecology, and Limnology at Stone Lab, as well as being a Visiting Scientist and participating in the Research Experience for Undergraduates program. Doug spent 2006-2007 as a Visiting Assistant Professor at Ashland University. Doug will begin a position as an Assistant Professor in the Division of Natural Sciences and Mathematics at Defiance College in the fall of 2007. Doug is currently the Past President of the Friends of Stone Laboratory.

Terri Rice -- Board Member 2005 - 2008

Terri resides in Geauga County, Ohio with her husband and two teen-aged children. Terri first became involved with Stone Lab in 2001 when she took a graduate level class on Gibraltar. At the time, she was working at Ohio State University Extension as a program assistant in the area of agriculture and natural resources. Since then, she has volunteered at work weekends and open houses and became a board member in 2005. Currently, Terri works as an office manager at an investment company. Although she is no longer an environmental educator, she is an avid supporter of the programs and the research that go on at Stone Lab.

Thomas Thorne -- Board Member 2005 – 2008

Tom came to work at Stone Lab after he had graduated from Kent State University in the spring of 1998 with a degree in conservation biology. He started his adventures at the lab as a workshop instructor that spring. He stayed on that summer as a T.A. for several classes. During that summer he was asked if he would stay and teach fall workshops and he eagerly accepted. He continued to teach workshops in spring and fall as well as T.A. during the summers for 3 years. Over the next 4 years he worked summers as a TA, research assistant, and even worked in the dining hall. During this time he also pursued a degree in education (integrated science) from Cleveland State University which he completed in 2004. He began teaching full time at Saint Ignatius of Antioch in Cleveland where he is currently teaching his 4th year. Working at Stone Lab has been the greatest experience in his life and he is forever grateful for the opportunity! He is honored to have this opportunity to serve on the board after being involved with the lab in various ways throughout the past 8 years.

Deborah (Vallance) Harris -- Board Member 2006 – 2009

Deborah grew up in Port Clinton Ohio and attended Stone Lab as an undergraduate student in 1994. She returned in the spring of 1995 to teach workshops and became the temporary Stone Lab secretary that summer before starting graduate school at Wright State University and earning her Masters in Biology. She worked several summers at the lab for RDH which included a summer at the lighthouse running a bed & breakfast. Deb now lives with her husband Drew in Cuyahoga Falls and works for the Biology Department at Case Western Reserve University as Laboratory Coordinator. They are expecting their first child in October 2007.

Lyndsey Manzo -- Board Member 2006 – 2009

Lyndsey grew up in Westerville, Ohio. She received B.S. degrees in Wildlife Biology and Biological Education in 1999 from Ohio University. She earned her M.S. degree in Natural Resources (with a focus in Environmental Education) from The Ohio State University in 2005. Lyndsey first attended Stone Laboratory in 2000 and has continued to take educator classes every year through 2006. She was a Stone Laboratory Teacher Fellow during the summers of 2005 and 2006. In 2007, she ventured to the other side of education as a teacher of teachers; she co-taught Lake Erie Science for Teachers with Dr. Jeff Reutter, as well as Great Lakes Education Workshop with Dr. Rosanne Fortner.

This will be my eighth year as a high school science teacher in suburban Westerville, Ohio. While she previously taught Advanced Placement Biology, Chemistry, and Ecology, she has found her niche teaching biology and working with special needs students and students for whom English is a second language. In the summers, she teaches science intervention courses and is heavily involved in science curriculum development. She actively promotes the integration of Great Lakes science into standards-based classrooms and also represents formal educators as a member of the Advisory Board of COSEE (Centers for Ocean Sciences Education Excellence) Great Lakes.

Harry Bircher -- Board Member 2007 – 2010

Harry is the husband of Lisa Bircher. He has a Bachelor of Science degree in Geology from Youngstown State University, a Master of Science degree in Geology with a specialization in geophysics and groundwater hydrology from Wright State University and a Master of Science in Engineering in Civil and Environmental Engineering from Youngstown State University. He is a Registered Professional Engineer in the State of Ohio and is part owner of Buckeye Civil Design, LLC a civil engineering design firm located in North Lima, Ohio. In addition to engineering work, he teaches part time in the Department of Geological and Environmental Sciences at Youngstown State University where he is a member of the Graduate Faculty and teaches graduate level environmental studies courses primarily in the area of environmental law, regulations, site remediation, environmental assessments and environmental health and safety. He is currently serving on three thesis committees. Harry's primary hobby is studying the history of Great Lakes shipping and lighthouses.

Karen Blocksom -- Board Member 2007 - 2010

Karen received a B.S. in Zoology in 1992, and an M.S. in Zoology and a Master of Applied Statistics in 1998, all from Ohio State University. She is currently a statistician with the U.S. Environmental Protection Agency's Office of Research Development in Cincinnati, Ohio. She resides in Cincinnati with her husband, Mike (also a former Stone Labber), and her dog and two cats.

Karen first visited Stone Laboratory for a Limnology class trip during spring 1992. After another class trip for Invertebrate Zoology in 1994, she knew Stone Lab was a place she would grow to love. She was TA for several main campus Plankton and Limnology classes between 1995 and 1998 and always looked forward to the quarterly field trip to Stone Lab. She served as a TA for Intro to Aquatic Biology during summer 1996 and for Limnology during summer 1997, and assisted with various research projects at Stone Lab until her graduation from OSU in 1998.