**ALUMNI OFFICERS**

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<tr>
<th>Position</th>
<th>Name</th>
<th>Year</th>
<th>Phone</th>
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<tr>
<td>President</td>
<td>Daniel Murphy Jr. '93</td>
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<td>(617) 728-7777</td>
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<td>Vice President</td>
<td>Jerry Hopcroft. '68</td>
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<td>(617) 989-4177</td>
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**CALENDAR OF EVENTS**

- **OCTOBER 24, 1996** NUCEAO FALL LUNCHEON  
  SPEAKER: FRED AUFIERO, '67, '79  
  PRESIDENT, SEA CONSULTANTS  
  57 RESTAURANT, 11:30 A.M.  
  $20 PER PERSON  
  WATCH FOR MAILING

- **FEBRUARY 27, 1997** NUCEAO WINTER LUNCHEON  
  SPEAKER — TBA

- **APRIL 22, 1997** NUCEAO ANNUAL DINNER  
  BALLROOM  
  CURRY STUDENT CENTER  
  NORTHEASTERN UNIVERSITY

**NUCEAO SUMMARY OF 1995—96 ACTIVITIES**

**LAST YEARS ACTIVITIES INCLUDED:**

- NUCEAO winter luncheon — the speaker was Mr. Howard Haywood, MBTA Design and Construction Division.
- Approved a $5,000 donation to the College of Engineering Emergency Grant Fund for Undergraduate Students in Need of Financial Assistance.
- Donated Senior Bricks for the class of 1996.
- Approved $1,235 for the 1996 Concrete Canoe Competition held at the University of Connecticut.
- Provided two plaques for Student Chapter Presidents Awards — $100.
- Sponsored several students that attended the New England Regional Conference of ASCE Student Chapters.
- Conducted annual spring dinner and business meeting.
- Awarded Outstanding Alumni Award to Frank Davis ‘60.
- Awarded $1,000 scholarships to four civil engineering class of 1997 juniors.
- Approved a cash award of $200 to any NU civil engineering student awarded best paper in the ASCE Meade Paper Competition.
- Approved $600 for printing of the Student Chapter Annual Report.
An Instructional Development Fund proposal entitled “Bridging Creativity and Integrated Thinking into the Structural Engineering Curriculum” was funded for $5,000. Mike Tarnowski and Burcu Gunes will participate in modifying the undergraduate structural analysis laboratory course.

Professor Bernal presented the paper “Influence of Ground Motion Characteristics on the Effectiveness of Tuned Mass Dampers” at the Eleventh World Conference on Earthquake Engineering, held in Acapulco, Mexico.

Professor Bernal presented a summary of his work on P-delta effects in San Francisco at a meeting of the Seismology Committee of the Structural Engineering Association of California. The presentation is in connection with ongoing work on the update of code provisions for P-delta effects and instability.

Professor Bernal submitted a proposal to NSF entitled “Instability of Buildings Subjected to Earthquakes: Effect of Torsional Coupling.”

Professors Blanc and Gregory submitted a proposal entitled “Measurement of Freshwater Bottom Sediment Nutrient Release Rates with In Situ Reactors” to the National Science Foundation (NSF) in the amount of $181,983.

Dean King, Professors Blanc and Gregory, together with Worcester Polytechnic Institute, submitted a proposal to NSF entitled “Development & Assessment of Environmental Engineering Learning Modules to Bring Context to Biology, Chemistry, Mathematics and Intro to Engineering” in the amount of $755,946.

Professor Evans has taken a teaching position at the United States Military Academy. Mark can be reached at: Department of Civil and Mechanical Engineering United States Military Academy West Point, NY 10996-1792 Phone: (914) 938-2600 Fax: (914) 938-5522

Professor Leet’s Concrete Design book was published in November. This 4th edition was coauthored with Professor Bernal.

Professor Miralles-Wilhelm received the Venezuelan “Jose Felix Ribas Award” as Young Scientist of the Year for 1995. The awards ceremony was held in Caracas last spring and was hosted by President Rafael Caldera.

Professor Miralles-Wilhelm and M.I.T Professor Lynn Gelhar’s article entitled “Stochastic Analysis of Sorption Macrokinetics in Heterogeneous Aquifers” was accepted for publication in Water Resources Research.

Professor Oluokun received $6,000 for his proposal entitled “Resistance of Slurry Infiltration Mat Concrete to Abrasion and Freeze and Thaw Damage.”

Professor Sheahan submitted a paper to ASCE Journal of Geotechnical Engineering, “Experimental Verification of CRS Theory,” the paper was coauthored by alum Patrick Watters ’92.

Professor Sheahan submitted a proposal entitled “HERMES: Reinforcing Math Skills of Engineering Students” to the NSF. Participants in the project include Peter Furth, Bob Tillman, and David Navick.

Professor Sheahan submitted a paper for the 49th Canadian Geotechnical Conference “Undrained Shear Behavior of Clays at High Strain Rates,” coauthored by graduate student and alum Iliana Alvarado ’95.
Professor Sheahan and David Navick submitted a proposal to the University’s Instructional Development Fund entitled “GSTEPS: Graphical Software to Teach Engineering Problem Solving.”

Professor Touran and Shahin Bahrami submitted a paper entitled “A Probabilistic Approach for Estimating Tunnel Duration” to the Journal of Construction Management & Economics, UK.

Professor Wadia-Fascetti submitted a proposal for $5,000 entitled “Bringing Creativity and Effective Thinking to the Structural Engineering Curriculum” to the Instructional Development Fund. The objective of the proposal is to redesign the curriculum in the structural analysis and design laboratory.

Professor Wadia-Fascetti served as a review panelist for the Civil and Mechanical System Program at the National Science Foundation last spring.

Professor Yegian submitted a proposal to the Earthquake Hazard Mitigation Program of NSF in the amount of $170,000.

Drilling for the Seismic Recording Station has been completed in the front of Dana Research Center and accelerometers have been installed.

Graduation was held for the first time in the Fleet Center on Saturday, June 15th and included 52 BSCE graduates and 38 masters graduates (15 full-time and 23 part-time students). Congratulations to all our graduates.

The ASCE Student Chapter used a new process of gunite molding to create their canoe this year. *Civil Unrest* was raced in competition last spring at the University of Connecticut — but alas the results were just as disappointing as in years past.

Shaughnessy Crane Service, Inc. donated $500 to the ASCE Student Chapter.

David Navick has been appointed as the ASCE Student Chapter Advisor.

The Student Chapter received a Certificate of Commendation from ASCE national for its outstanding activities during 1995.

Charlie Brackett ’70 has been chosen to be the Vice Chairman of the Boston Society of Civil Engineers Section Convention Committee for the 1988 ASCE National convention in Boston.

Peter Ogren ’69, President of Hayes Engineering donated two Sun workstations and two monitors to the Department.

Please send news or articles to: Bob Tillman, Newsletter Staff 202 Stearns Center Northeastern University Boston, MA 02115

Are you interested in becoming more active in NUCEAO, holding office, perhaps planning a luncheon program, editing the newsletter or helping out with the annual dinner? We need your help. Contact Dan Murphy at (617) 728-7777 to become more involved.
student honors
and awards

NUCEAO Student Achievement Awards ($1000 each)
Megan Bracht '97
Michael Buckland '97
Jennifer Bowman '97
Daniel Frates '97

Joseph C. Lawler Awards ($3000 each)
Karl Schwartz '96
Richard Salvo '96
Thomas Day '96

Lt. Colonel Edward Wenners Award ($1000 each)
Robert Skelton '96
Joseph Greene '96

Student Chapter Advisor Awards ($100 each)
Christopher Anker '97
David Langlais '99

CE Department Awards ($100 each)
Geoffrey Lister '96
George Messina '96
Jennifer Schaub '96

Ernest L. Spencer Awards ($200 each)
Carol Alwin '96
Lance Bartosz '97
John Bowen '96

Sabestino Volpe Awards ($500 each)
Dawn McGartland '96
Edward Whatley '96

Bert Berger/BSCE/SAME Award ($1,700)
David Magee '97

Chan Lin/SAME/Greco/Bottger Award ($1,700)
Anthony Moura '97

BSCE Howe-Walker Award
Joseph Greene '96
Thomas Day '96

BSCE Desmond Fitzgerald Award
Dawn McGartland '96

Alumni Professional Promise Award
Dawn McGartland '96

Francis Keville Memorial Scholarship
Megan Bracht '97
Anthony Moura '97

ATTN: Bob Tillman
NORTHEASTERN UNIVERSITY
Civil Engineering Alumni Organization
202 Steam's Center
360 Huntington Avenue
Boston, MA 02115

PLEASE FORWARD
### Alumni Officers

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### President’s Message — Dan Murphy ‘93

I am not alone in having greatly benefited from my education at Northeastern University, I am also not alone in wanting to give back. It is obvious from the things that this organization has been able to do in the past (see the fall 1996 newsletter for last year’s accomplishments) that the members are appreciative and supportive of the efforts of their alma mater. To make a long story even longer, let me say that the actions of the members of this organization are extremely appreciated by the Northeastern community at all levels.

On September 6, I had the privilege of hearing Dr. Richard Freeland, our University’s new President, speak at the 1996—1997 Alumni Advisory Council. President Freeland mentioned that the Snell Library, the new Marino Recreation Center, and other more recent additions to the building inventory are great resources for students on campus and a wonderful drawing card for attracting new students to our University. Dr. Freeland also recognized that these buildings and improvements would not be possible without loyal and dedicated alumni, stating that alumni are “the bedrock of every university.”

The University not only draws financial support from its alumni but it also relies on them in other areas. In the Alumni Recruiting Program, the Admissions Department calls upon alumni from all over the country to attend college fairs and visit schools in their local area to promote Northeastern. The ASCE Student Chapter at Northeastern also depends greatly on the Civil Engineering Department alumni base. They are always looking for speakers for the weekly lecture series and seeking help, financial and otherwise, for special projects, whether through NUCEAO or individually, the alumni of this University, always come through for them.

As civil engineering alumni, we need to be attentive to the needs of the profession and enhance the public image of the civil engineer. Additionally, we need to explore new ways to encourage grade school students to consider civil engineering as a career.

To this end the BSCES News recently advertised a couple of programs sponsored by the Younger Members Committee (YMC) of BSCES that I think are worthy of mention. The first is "Outreach" a program that invites engineers to speak and show a prepared slide show to student groups. Another is the new "Cyber-Buddy" program that links classes and/or teachers with engineers via E-mail. The goal of both of these programs is to allow students to communicate with "real" engineers and show them what engineering really is.

I am probably preaching to the choir because most members of NUCEAO are presently active in a number of University and/or professional society endeavors. If you are, however, looking for some way to become involved I hope you will contact BSCES or the NU Alumni Relations Department for more ideas. If you are interested in activities sponsored by the Younger Members Committee, please contact Lisa Ackerman c/o The Engineering Center, One Walnut Street, Boston, MA 02108.

The Executive Committee looks forward to a great year and we hope you’ll take the time to attend our to Fall Luncheon on October 24, 1996 and meet other alumni in the area.
The Civil Engineering Alumni Organization will hold its quarterly luncheon on Thursday, October 24, 1996. The luncheon will be held at the 57 Restaurant located on Stuart Street, Boston.

Activities will begin at 11:30 a.m. with a social hour and cash bar, followed by lunch and a guest speaker. The luncheon speaker, Mr. Frederick G. Auffiero, P.E., will present a talk entitled *Adaptability: The Engineer’s Key to Survival in Today’s Changing World*.

Mr. Auffiero is President of S E A Consultants Inc. in Cambridge, Massachusetts, a full service engineering and architectural firm with approximately 120 employees. He is a registered Professional Engineer in Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, and Vermont. He is a Past President of the American Consulting Engineers Council of New England and of The Engineering Center of Boston. He has served as Chairman of the Center’s Education Trust. He is a member of the New England Water Environment Association, the New England Water Works Association, the American Public Works Association, and the American Society of Civil Engineers; and is a Director of the Northeastern University National Council. Fred earned both his B.S.C.E. (1967) and his M.S. degree in environmental engineering (1979) at Northeastern University.

The cost of the luncheon is $20.00 per person. We look forward to seeing you there!

Checks should be made payable to NUCEAO, and mailed to:

Ms. Julie F. Norton  
c/o Alumni Relations  
346 Richards Hall  
Northeastern University  
Boston, MA 02115.

For additional information, please contact Ms. Julie F. Norton in the Alumni Relations Office at (617) 373-5774. **R.S.V.P. by Monday, October 21, 1996.**

(PLEASE RETURN BY OCTOBER 21, 1996.)

**NUCEAO LUNCHEON**  
**OCTOBER 24, 1996**  
**57 RESTAURANT**  
**STUART STREET**  
**BOSTON, MASSACHUSETTS**

| NAME: __________________________ | CLASS: ______ |
| GUEST NAME(S): __________________________ | |
| ADDRESS: ____________________________________________________________ | |
| CITY: __________________ STATE: ______ ZIP: ______ | |
| PHONE NUMBER (DAY): ______________ PHONE NUMBER (EVENING): ______________ | |
| # __________ @ $20.00 PER PERSON TOTAL AMOUNT ENCLOSED $ ______ | |

NUCEAO/ 346 Richards Hall/ Northeastern University/ Boston, MA 02115/ (617) 373-5774