LAWRENCE McCLUSKEY '48 — OUTSTANDING ALUMNUS

At this year's annual alumni dinner, Lawrence McCluskey '48 will be honored as the 1997 Northeastern University Civil Engineering Alumni Organization's Outstanding Alumnus. Larry is a former Senior Vice President, Administrative Manager and Design Engineer of STV Incorporated in Boston. In this capacity, he was responsible for the design and project management of numerous large-scale multidisciplined projects entailing all engineering aspects of the firm.

Recent projects include:

- Project Director for the CA/T Atlantic Avenue Reconstruction Project which included the underpinning of the South Station Red Line Tunnel;
- Principal-In Charge for the North Station Transportation Improvement Reconstruction Project which included the design of a multi-level underground parking garage, design of the foundation supports for the new Fleet Center, relocation of the MBTA Green Line, integration of the Green Line Trolley, Orange Line Rapid Transit & Commuter Rail services into an Intermodal Station; and reconstruction of the 1.25-acre fire damaged trestle;
- Member of an international team of engineers and specialists in high speed rail where he performed the value engineering for the redesign and constructability of the historic Canton Viaduct Rehabilitation project.

Larry is considered an expert on movable bridge reconstruction having been involved as Project Director in the City of Boston PWD's City Wide Bridge Rehabilitation Program involving Swing Span, Retractile, and Bascule Bridges.

Larry was born in Lowell Massachusetts and graduated from Howe High School in Billerica in 1944. He obtained a portion of his college education through the Navy's officer training program and after the wars’ end he began his civil engineering studies at Northeastern in December of 1945. After graduation, work was scarce and he was fortunate to get a position at the Bethlehem Steel Company in Cambridge as a "Reinforcing Steel Detailer."

Since semi-retiring in 1992, Larry has passed along his collected years of wisdom and experience by teaching at the University of Massachusetts - Lowell campus, guest lecturing at the Massachusetts Institute of Technology, and talking to the Northeastern University ASCE Student Chapter. In 1987-88 Larry was President of NUCAEO and is also an active member of the NU Class of 1948 Reunion Committee.

Larry is a registered Professional Engineer in Massachusetts and New Hampshire and has studied at Harvard University and the University of North Carolina, Additionally he has done graduate work at MIT and Boston College.

Larry is married to Jean Marie (Rowe) and they raised seven children and 13 grandchildren. Early on, Larry and Jean lived in Wakefield where Larry held elected positions on the Planning Board and Board of Selectmen. The McCluskey's currently live in Stoneham.

The NUCAEO Annual Alumni Dinner and business meeting will be held on Wednesday, April 16 at the Northeastern University Ballroom located in the Ell Center from 6:00 — 10:30 p.m. This year the new Dean of the College of Engineering, Dr. Allen Soyister will present his remarks about the college. Please use the reservation form included with this newsletter, or contact Ms. Julie Norton at (617) 373-5774 to confirm your reservation.
Faculty News
compiled by Pat Michaud and Kim Duffy, Department of Civil and Environmental Engineering

Professor Bernal presented the opening keynote lecture "The Collapse Limit State in Seismic Design," at the IXth Latin-American Conference on Earthquake Engineering held in Santo Domingo D.R.

Professor Bernal and Michael Tarnowski presented a paper entitled "Residual Moments in Shakedown Analysis" at the Mexican Structural Engineering Conference, held in Merida, Yucatan.

Professor Bernal and Ph.D. graduate Emelio Sordo presented a paper entitled "Effects of Torsional Eccentricity on Dynamic Stability" at the Mexican Structural Engineering Conference held in Merida, Yucatan.

Professor Cochrane presented a seminar on "Internet Application in the Wastewater Industry" in mid-December. This presentation and demonstration was conducted at the Hartford, CT (MDC) Treatment Facility for the CT Water Pollution Control Association.

Professor Cochrane was the moderator of a technical session at the Annual Conference of the New England Water Environment Association held at the Marriott Copley on January 28, 1997. At the same convention he also presented a paper entitled "The Role and Function of NEWEA'S and Related Internet Web Sites" which was co-authored by Glenn Hagman '97.

The 3rd Edition of Professor Ken Leet's book entitled "Reinforced Concrete Design" was published by McGraw-Hill with Professor Bernal as a contributing author.

Professor Miralles-Wilhelm, Professor Vivek Kapoor (Georgia Tech), and Professor Lynn Gelhar's (MIT) paper entitled "Stochastic Analysis of Oxygen-Limited Biodegradation in Three Dimensionally Heterogeneous Aquifers" was accepted for publication in Water Resources Research.

Professor Sheahan attended the ASCE National Convention in Washington, D.C. in Nov. He moderated one of two sessions on Measuring and Modeling Time-Dependent Soil Behavior. The papers from these sessions are published in ASCE Geotechnical Special Publication No. 61, which he co-edited with Victor Kaliakin.

Professor Sheahan received preliminary approval from ADSC: The International Association of Foundation Drilling for his proposal "A Field Testing Program to Investigate Soil Nail Reinforcement Mechanisms in Clays."

Professor Sheahan and Patrick Watters '92 had a paper published in the December issue of ASTM Geotechnical Testing Journal entitled "Using an Automated Rowe Cell for Constant Rate of Strain Consolidation Testing".

Professor Tillman contributed to the "Applied Ethics in Engineering Practice" published by the Institute of Professional Engineering Practice, University of Washington. This is part of the Professional Engineering Practice Liaison Program funded by the General Electric Foundation.

Professor Touran collaborated with a number of Engineering and Business faculty to submit an educational proposal to GE Foundation. The proposal entitled "A Model of Interdisciplinary, Integrated Distributed Learning," was funded at $124,710 from GE Foundation (with NU providing an additional $96,842 in co-sharing for a total of $221,552). The project will help to integrate real-time cooperative education with interdisciplinary undergraduate curricula in engineering and business administration. It is expected to begin in January 1997 and continue for 21 months.

Professor Wadia-Fascetti attended and participated in the workshop entitled "Structural Reliability in Bridge Engineering: Design, Inspection, Assessment, Rehabilitation, and Management." The workshop was held in Boulder, Colorado in October.

Professor Wadia-Fascetti submitted a proposal entitled "Predicting Bridge Life-Cycle Deterioration by Integrating Condition States with System Performance" to the National Science Foundation's CAREER Development Program.
Professor Wadia-Fascetti attended the ASCE Natural Disaster Conference in Washington D.C. in December. She participated in 2 papers: "Considering Uncertainty in Earthquake Response Spectra" by Professor Wadia-Fascetti and Burcu Gunes, which was presented by Professor Wadia-Fascetti; and "Post-Hurricane Investigations: Quantifying Damage" by Dr. G.L.F. Chiu, Professor Wadia-Fascetti, and Musa Hossein (NU Graduate Student), and was presented by Dr. Chiu.

Professor Wadia-Fascetti submitted an abstract for a paper and a presentation at the Structure's World Congress with Dr. Chuck Farrar (Los Alamos National Lab), Dr. Scott Doebeling (Los Alamos National Lab), and Professor Masoud Sanayei (Tufts University). The paper is entitled "Challenges in Parameter Estimation for Condition Assessment of Structures."

Professor Wadia-Fascetti served as PI and submitted a proposal to NSF entitled "CONNECTIONS: Bridging the Gaps Between Elementary School, High School, College, and Technical Careers for Women in Science, Engineering, and Mathematics (SEM)." The proposal was submitted in collaboration with Professor Pete Gilmore (of the Math Department), Dean Paula Leventman (of COE), and Janet Richani (of the Patriot's Trail Girl Scout Council). The proposal, if funded will be for three years with an expected budget of $200,000 each year.

Professor Wei attended the New England Water Environmental Association 1997 Annual Conference on January 26-29, 1997 in Boston. He presented the paper entitled "Analysis of the Fate on Chlorine Species as Part of On-Site Generation Evaluation of Sodium Hypochlorite at Deer Island. The paper was co-authored with Somnath Basu and Kenneth A. Shilinsky.

Professor Yegian submitted a paper entitled "Geotechnical Factors that Influence the Spatial Variability of Ground Motion for Bridges." The paper will be published and presented at the 1997 ASCE Structures Congress.

Professor Yegian, as Co-chair of the Soil Dynamics Committee and a member of the Geotechnical Reliability Committee, participated in committee planning meetings held during the ASCE Convention in Washington, DC.

Professor Yegian and Ugur Kadakal made a poster presentation in the Egan Research Center, as part of the celebration of President Freeland's inauguration.

Jaime Kelley, ASCE student chapter officer, won honorable mention in the "Aesthetics in the Constructed Environment" photo contest, sponsored by the Water Resources Planning and Management Division of ASCE.

Jennifer Bowman, Christopher Garlick, and David Langlais, officers in the Student Chapter of ASCE, attended the ASCE Zone I Student Leadership Conference held in Philadelphia. The conference was attended by many schools, including Wentworth, UMass Amherst, UNH, and Penn State. Students attended workshops to build communication skills, discuss ethical issues in civil engineering, and to exchange ideas on motivating members and fund raising.

Richard Hilchey '81, Donald Peloquin '89, and Neil Metzendorf '89 presented, on behalf of Exxon, a contribution of $3,500 to the Civil and Environmental Department.

Several alumni also contributed to the Department over the past year including John Walsh '56, William Breen, John Sullivan '63, and George Panitsidis '75.

William Hover '77 contributed to a one-day seminar on "Dam Inspection, Analysis, and Rehabilitation" sponsored by the Geotechnical Group of the Boston Society of Civil Engineers.

John Pastore '82, Project Engineer for Modern Continental Construction Company, is slated to lead a tour of the Central Artery Project as part of New England Regional Conference of the American Underground Construction Association in April. Also part of the program is Peter McNulty '72, from Modern Continental and Joseph Guertin '64, AUA President.

Barbara Ann Schnitger '92 and George Kenneth Osgood '92 were wed on October 5, 1996 and they currently reside in Tuckahoe, NY.
ANNUAL MEETING AND ALUMNI DINNER

The NUCEAO Annual Alumni Dinner and business meeting will be held on Wednesday, April 16, 1997 at the Northeastern University Ballroom located in the Ell Center, from 6:00 — 10:30 P.M. As we have done in the past, a reception will be held from 6:00 — 7:30 P.M., followed by dinner at 7:45 P.M. After dinner we will have the Outstanding Alumnus Award ceremony, a presentation by Dean Allen Soyster, student awards, and the election of new officers.

The cost for the evening is $25.00 per person. Further information may be obtained by contacting Ms. Julie Norton, Associate Director of Alumni Relations at (617) 373-5774 or Bob Tillman at (617) 373-3469. Please complete and return the bottom portion of this page by April 11 to insure your reservation(s).

The annual dinner provides a great opportunity to see old friends and classmates, meet new people, and enjoy a relaxing dinner. Please mark your calendar now and plan to attend the annual dinner.

NAME: ________________________________

CLASS: ________________________________

GUEST NAME(S): ________________________

NUMBER ATTENDING @ 25.00 PER PERSON: ____________________________

AMOUNT ENCLOSED: ________________________

PLEASE MAKE OUT YOUR CHECK TO NUCEAO AND RETURN TO:

MS. JULIE FLYNN NORTON
C/O ALUMNI RELATIONS OFFICE
346 RICHARDS HALL
NORTHEASTERN UNIVERSITY
BOSTON, MA 02115

ATTN: Bob Tillman
NORTHEASTERN UNIVERSITY
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PLEASE FORWARD

Dr. Robert Tillman
67 Glendale Road
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