



**ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS**

Connecting Professionals, Practice and the Public

Saint Louis Section

MARCH 2009 MEETING NOTICE

2009 Richard H. Jahns Distinguished Lecturer in Engineering Geology

Dr. Edmund Medley, PE, CEG, F.ASCE

Geosyntec Consultants

Presenting:

***“Forensic Investigation of the Sea Cliff Incident,
an Urban Catastrophe”***

Sponsored by:

Environmental Science Corp. (ESC)

Laboratory Services

WHEN: Monday, March 16, 2009

Social Hour	5:00 pm
Meal	6:00 pm
Program	6:45 pm

WHERE: Limestone's Bar and Grille Map and directions below.
12163 Prichard Farm Road, Maryland Heights, MO 63043 (314-344-3000)
Dinner Buffet included.

COST:

Non-members:	\$30.00
AEG Members:	\$27.00
Students:	\$15.00
Late/Walk-in Fee:	\$ 5.00 in addition to the above cost

Please make checks payable to AEG – St. Louis Section

OFFICERS
2008-2009

Jennifer Delancey
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RESERVATIONS: Required by 5:00 p.m., Thursday, March 12, 2009.

*** If you make a reservation, we commit to the restaurant to pay for your meal. If you make a reservation and do not cancel it by the signup date, please honor your commitment and send us payment for your meal. If you do not make a reservation by the signup date, a \$5.00 late registration / walk-in fee will be added to the cost of your meal.***

Call, e-mail, or fax this form to Bill Kipp.

Please specify if you are a member (M), non-member (N), or student (S)

Phone: (314) 644-2500 x111

E-mail: bill.kipp@atcassociates.com

Fax: (314) 644-4838

Please reserve a seat at the March 2009 AEG meeting for:

NAME

M / N / S

_____	_____
_____	_____
_____	_____

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ABOUT OUR SPEAKER

Edmund Medley, Ph.D, PE, CEG, F.ASCE is the **2009 Richard H. Jahns Distinguished Lecturer in Engineering Geology**. The intent of the partially-funded Lectureship is to encourage student and professional awareness of Engineering Geology through a series of lectures presented across North America during the award year. The award was established in 1988 to commemorate Professor Jahns (1915-1983), who had an influential and diverse career in academia, consulting and government.

Dr. Medley is a Senior Consultant in the Oakland, California office of [Geosyntec Consultants](#), an international consultancy renown for innovative solutions to geoengineering and environmental problems. Dr Medley started work in the Applied Earth Sciences in 1969, and now has over 30 years of unusually varied international experience in geotechnical and geological engineering consulting, mineral exploration prospecting, failure investigation, project management, litigation testifying, academic research, teaching, and lecturing. He has an international reputation for his pioneering research into the engineering and geological characterization of [bimrocks](#) (block-in-matrix rocks), complex geological mixtures of rock and soil such as melanges, fault rocks, weathered rocks, tills, and colluvium. (Most of his professional contributions are at freely available at [bimrocks.geoengineer.org](#).) Dr. Medley's own website is [www.edmedley.com](#) .

Dr. Medley also has experience evaluating geotechnical/geological engineering vulnerabilities and the causes of civil engineering failures, and has provided testimony for attorneys, insurance companies, contractors, and municipal clients. Projects include investigation of major landslides, rockfall hazards, expansive/collapsing soils, tunnel failures, coastal erosion, sinkholes and other ground movements in California, Nevada, District of Columbia; Hawaii, Guam, and Papua New Guinea. Dr. Medley has authored/co-authored about 50 professional contributions, and presented well over 150 professional and academic lectures, Short Courses and MCLE Credit courses. He is licensed as an engineer and geologist in the USA, Canada and the United Kingdom.

In 1978, graduating from the Univ. British Columbia, Dr. Medley was the first awardee of the *Aro A. Aho Memorial Medal for Academic Excellence in Geological Engineering*. He was the AEG Marliave Scholar in 1993, awarded for outstanding scholarship in Engineering Geology and Geological Engineering. He was the San Francisco AEG Section Membership Committee Chairman between 1991 and 1993 and the San Francisco Section Short Course Chairman between 1995 and 1996.

PRESENTATION SUMMARY

Forensic Investigation of the Sea Cliff Incident, an Urban Catastrophe: Shortly after midnight on December 11, 1995, storm water started to leak from a century-old 6-foot brick sewer underlying the prestigious Sea Cliff neighborhood in San Francisco. The leakage eroded vulnerable dune sand soil to create a pit that grew uncontrollably to over 250 feet wide and 40 feet deep. Shortly after dawn, a multi-million dollar home and portions of other properties fell into the pit, events that were broadcast by TV world-wide. Discharge from the sewer continued for several hours, resulting in the undermining of other homes, destruction of part of the Presidio National Park, and eventual overflow of sewage more than two miles away, across the Great Highway and Ocean Beach, into the Pacific Ocean. Dr. Medley, the Principal Investigator for the investigation, shares findings and the lessons learned from the failure.

Directions to Limestone's Bar and Grille

12163 Prichard Farm Road, Maryland Heights, MO 63043 (314-344-3000)

From I-70: Exit south on Earth City Expressway; go approximately 1.1 miles to the stoplight at Prichard Farm Road. Turn left on Prichard Farm Road and go approximately 0.5 mile, where you will cross Creve Coeur Mill Road and then railroad tracks. Limestone's is located on the right side of Prichard Farm Road, and the parking lot is located on the left side of the road.

From I-270/Page Extension: Exit from Page Avenue (Hwy 364) north on Maryland Heights Expressway; go approximately 2.1 miles to the *second* stoplight for Creve Coeur Mill Road. (You should have passed Marine Ave.) Turn right on Creve Coeur Mill Road and go approximately 0.9 miles to the stoplight at Prichard Farm Road. Turn right on Prichard Farm Road, where you will cross over railroad tracks. Limestone's is located on the right side of Prichard Farm Road, and the parking lot is located on the left side of the road.

Map to Limestone's Bar and Grille

