

NEWS BULLETIN

AN ASSOCIATION OF INDIVIDUALS

HOLING



OF THE MOLES

ENGAGED IN HEAVY CONSTRUCTION

THROUGH

JULY , 2007

UPDATE ON THE MOLES SCHOLARSHIP FUND

FUNDRAISING: Great strides have been made by the Fund Raising Committee, spearheaded by Ed Cruz. New members of the **\$100,000 Club of Contributors** include the following:

Conti Enterprises, Inc.
Edward Cruz
Everett G. Cruz
D'Annunzio & Sons, Inc.
Judlau Contracting, Inc.
The Lane Construction Corp.
Mueser Rutledge Consulting Engineers
O & G Industries, Inc.
John P. Picone, Inc.
Silverite Construction Company
Traylor Bros., Inc.
Weeks Marine, Inc.

The Fund Raising Committee expects to be able to substantially increase the number of new \$100,000 contributors within the next few months.

Prior **\$100,000** Contributors include the following:

A. James Clark
Martin N. Kelley
Richard N. Weeks

Also, the Fund Raising Committee recognizes **Northeast Remsco Construction, Inc.**, for a pledge of \$50,000.

SCHOLARSHIP FUND: With current contributions and pledges, the principal of the Scholarship fund exceeds \$3.5 Mil. The goal of increasing the fund to \$5 Mil. is not unrealistic.

SCHOLARSHIP GRANTS: For the upcoming academic year, \$105,000.00 in scholarship grants is being distributed to the 17 non-scholarship schools participating in The Moles Education Committee program, namely,

Bucknell University	Polytechnic University
City College of New York	Princeton University
Columbia University	Rensselaer Polytechnic Institute
Cornell University	Rutgers University
Hofstra University	Stevens Institute of Technology
Lafayette College	SUNY at Delhi
Lehigh University	SUNY at Farmingdale
Manhattan College	University of Connecticut
New Jersey Institute of Technology	

**CLAMBAKE
TUESDAY
August 7, 2007**

**GOLF AT LEEWOOD
GOLF CLUB IN A.M.**

TRAVERS ISLAND

**REGISTRATION
11:30 A.M. to 5:00 P.M.**

**LUNCH
11:30 A.M. to 2:00 PM.**

**OUTDOOR GAMES
2 P.M. to 5 P.M.**

TENNIS TOURNAMENT

SOFTBALL GAME

SWIMMING

**SURF & TURF DINNER
SERVED AT 5:30 P.M.**

**COME OUT AND HAVE
A GRAND DAY**

COMMITTEE MEMBERS FOR 2007

The following Committee assignments have been made for the current year.

AWARD COMMITTEE: Kirk Samuelson, Chairman; Stephen J. Barlow, Vice Chairman; Members at Large: Thomas Iovino and Joseph M. McCann

MEMBERSHIP COMMITTEE: Arthur B. Corwin, Chairman; Richard D. MacDonald, Vice Chairman; Members: David M. Cacoilo, Michael D'Annunzio, John E. Eckart, Robert J. Jenny, James E. Kelley, Anthony J. Mazzo, William V. McGuinness

PROGRAM COMMITTEE: James H. Hughes III, Chairman; John R. Roma, Vice Chairman; Members: Gary Almeraris, Wesley Bermel, Henry K. Cheung, John Civetta, Jr., Margarita D. Gagliardi, Peter McNulty, David M. Plotkin, Denise Cruz Serpico and Michael T. Traylor

FINANCE COMMITTEE: Val S. McWhorter, Chairman; Members: David Casey, Lawrence H. Lehman, John F. McNamara III, George P. Neumann and John A. Rupich

EDUCATION COMMITTEE: Michael M. McHugh, Chairman; Cesare De Rose, Vice Chairman; Members: Charles Androsiglio, Ali M. Catik, Dominic D'Argenzio, Anthony Del Vesco, Charles J. Montalbano, Thomas O'Donnell and Arturo L. Ressi di Cervia

PUBLICITY COMMITTEE: Thomas A. Gelormino, Chairman; Gerard P. Brady, Vice Chairman; Members: Andre Ameer, Kirk D. Junco, Joel Moskowitz, James Strobel, Janice L. Tuchman and Andrew D. Walker

FLORIDA MEETING DATES

The 2008 Moles Winter Meeting is scheduled for February 28 to March 2, 2008 at the La Playa Beach Resort, Naples, Florida.

Further Kudos to The Moles Education Committee and Chairman Mike McHugh

In May, The Moles was contacted by Professor Carol Pacheco of the Savannah College of Art and Design, in Savannah, Georgia, who was planning to lead 11 graduate architecture students on a trip to New York City for an off campus study of Architectural Professional Practice. After being told by a fellow professor, Joseph Kueler, about The Moles, she visited The Moles website, and subsequently inquired whether The Moles could assist in her endeavor. Mike McHugh, along with Peter Rinaldi of the Port Authority, moved into action and arranged a meeting and tour of the World Trade Center site.

Professor Pacheco subsequently wrote to Chairman McHugh: "My students and I really don't know how to thank you for the World Trade Center tour ...I believe the entire group was unanimous in feeling that your tour was the high point of our visit to New York. Also, many thanks for your very generous gift of hardhats and vests, which we used throughout the week for several other site visits.

This was an event which reframed a completely different way of thinking for these architecture students and throughout our week in New York, I noticed that they were able to draw many parallels back to points you made on the World Trade Center Site."

As with the civil engineering students who attended our Annual Student's Day (see page 8 for more about this), these students will long remember this experience and The Moles. It fulfills The Moles charter to work with students along with their colleges to promote a better understanding of the heavy construction industry.

Thanks, Mike and Peter, for a job well done.

THE MOLES

Holing Through is published by The Moles three times a year: April, July and November. The Moles is an organization of people engaged in Heavy Construction. Its purpose is to promote better acquaintance among individuals engaged in heavy construction to the end:

- That past and future friendships and a spirit of fraternization among the members be fostered.
- That meetings and other gatherings be held to exchange construction information and promote good fellowship among the members.
- That advancement of the Construction art be achieved, and outstanding performance be recognized through awards and otherwise.
- That the youth of our country be encouraged to participate in heavy construction by a multi purpose program of education in cooperation with engineering colleges and other associations.
- That, in the public interest, standards of construction shall be raised both as to engineering and business ethics.

The Moles' office is located at 577 Chestnut Ridge Road, Woodcliff Lake, New Jersey 07677. Telephone: 201-930-1923 Fax: 201-930-8501 Website: www.themoles.info; Executive Director and Editor of Holing Through: Gerard J. Carty, P.E. Email: carty.moles@verizon.net

NEWS OF MEMBERS

ARTHUR B. CORWIN has been named Chief Executive Officer of Moretrench American Corporation. Corwin is a graduate of Polytechnic University, is a Licensed Engineer and has been with Moretrench his entire 25 year career. JOHN F. DONOHUE remains as Chairman.

DMJM/Harris/AECOM, at its officer's meeting in Las Vegas, presented CHASE DE ROSE, SR. with its *Pinnacle Award for Technical Excellence* for his work on the Second Avenue Subway project. Chase is a Civil Engineering graduate of Manhattan College.

MICHAEL S. FLAHERTY has joined STV Incorporated as Vice President and Director of Construction. He previously was Senior Project Manager for Bovis Lend Lease.

JOHN A. LOFTUS has been named President of the Civil Division of the Perini Corporation, succeeding ZOHRAB MARASHLIAN, who recently retired after 35 years of service. Loftus earned his Civil Engineering degree from Villanova University in 1971 and has been with Perini Corporation since 1994.

ROBERT A. RUBIN received the prestigious Cornerstone Award from the American Bar Association, Forum on the Construction Industry. The award is the organization's highest honor and is awarded for outstanding achievement in the field of Construction Law.

MAY HE REST IN PEACE

RICHARD C. CALLAGHAN was 78 years old at the time of his sudden death on June 2, 2007. He graduated with a Civil Engineering degree from Cornell University in 1949. The bulk of his career was with Schiavone Construction Company, from which he retired in 1987 as Senior Vice President and Chief Engineer. He thereafter remained active in the construction industry up to the time of his death, serving as a construction mediator and arbitrator. He was a Licensed Engineer in the State of New Jersey and was active in the New Jersey Engineers in Construction and was honored by that organization with its Engineer-Constructor Award.

FIFTY YEARS AGO

THOMAS J. WALSH, President of Walsh Construction Company, was President of The Moles. At the Annual Award Dinner in January of that year, Louis R. Perini was the Recipient of the Moles Member Award and Guy F. Atkinson was the Recipient of The Moles Non-Member Award.

Plans were being finalized for the August 14th Annual Clambake at Travers Island and the program included a softball game between the NYC Department of Public Works and The Moles. Activities included Egg Tossing, Pile Driving, Golf Pitching, Spike Driving, Horseshoes, Ball Toss and Alley Cats. As still is done today, there was a Luncheon and a Shore Dinner.

THE MOLES WEBSITE

www.themoles.info

The Moles website has proved to be very useful to Moles members and non-members alike. It contains a plethora of useful information. For non members, it explains what the Moles is all about, its history and objectives with a great number of interesting photographs. For members, the following sections might be the most useful:

ORGANIZATION: Here can be found a listing of all the officers, committee chairmen and committee members. Also included in this section is a copy of The Moles By-Laws and Code of Procedure.

MEMBERSHIP: One can find here information as to how to nominate a candidate for membership and the required form to do so.

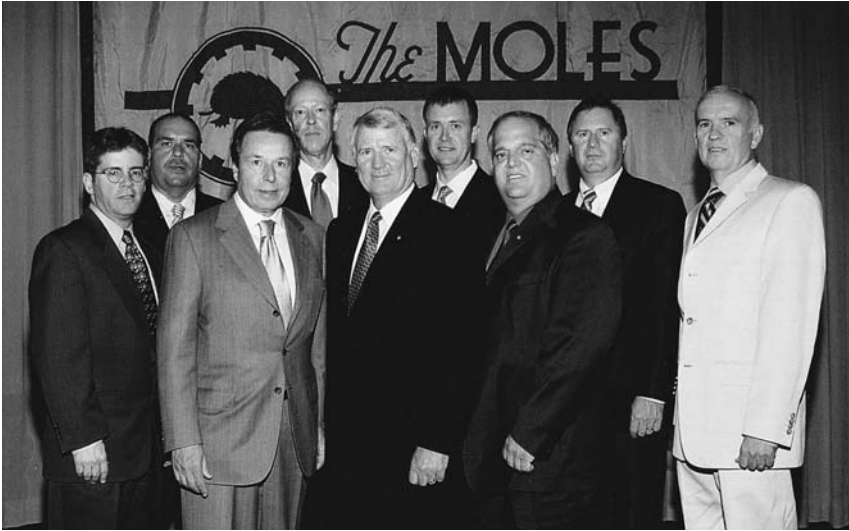
CALENDAR: Here is listed the calendar of upcoming events as well as the various committee meeting dates.

EDUCATION: Among other information in this section is the Career Connection, which puts prospective students seeking employment (Summer, intern and permanent) in touch with Moles members and their companies.

INFORMATION CENTER: Here one can find copies of the current issue of *Holing Through* along with the most recent issues of The Moles newsletter.

Every Moles member should familiarize oneself with the resources available on this website. Again, thanks to PB for their assistance in establishing this state of the art website and updating it on a regular basis.

NEW MEMBERS



**Left to Right: Front Row - John Donnelly, William A. Marino, Ronald W. Oakley, John P. Gemetro, Robert E. Reager
Back Row - Nelson Ferreira, Robin B. Dill, Thomas J. Fulton, Theodore von Rosenvinge**

JEFFREY M. CRUZ is a graduate of Clark University and serves as Senior Vice President of E.E. Cruz & Company, Holmdel, New Jersey. He is currently Vice President of AGC of New Jersey.

ROBIN B. DILL is Vice President of the geotechnical engineering company, Haley & Aldrich, Inc., Boston, Massachusetts. He holds a Bachelor of Civil Engineering Degree from MIT and a Masters Degree in Geotechnical Engineering from the University of California, Berkeley.

JOHN DONNELLY is project manager of Yonkers Contracting Company. He earned his Engineering Degree from City College and served as project manager on the \$460 Mil. Port Authority PATH Restoration Project.

RODERIC A. ELLMAN, JR., is a partner of Mueser Rutledge Consulting Engineers. He earned his Bachelors Degree in Geology from SUNY Oneonta and Bachelor and Masters Degrees in Civil Engineering from Polytechnic University.

NELSON FERREIRA is Founder, CEO and Owner of Ferreira Construction Company, Branchburg, New Jersey. He was the 2006 President of the Utility and Transportation Contractors and a past Trustee of the AGC of New Jersey.

After earning his engineering degree from the University of Manchester Institute of Science & Technology, THOMAS J. FULTON came to the USA and went to work for Tidewater Construction Company where he currently serves as Project Executive for the successor company, Skanska USA Civil Southeast. He was honored in 2006 as the outstanding manager of all Skanska companies worldwide.

Starting as a laborer and moving steadily up through the ranks of superintendent and project manager, JOHN P. GEMETRO, JR. is currently Vice President of Heavy Construction for O&G Industries, Inc., Torrington, Connecticut.

HENRY L. GOLDBERG is Managing Partner of Goldberg &

Connelly, Attorneys at Law. He earned a Bachelors Degree from Cornell University and his Law Degree from Fordham University.

DOUGLAS J. KELLER earned a Civil Engineering Degree from the University of Kentucky and a MSCE Degree from the University of Cincinnati and currently serves as President and Chief Operating Officer of Richard Goettle, Inc., Cincinnati, Ohio.

FRANK LO RE, JR. has had a long career in the cement industry, starting with Atlantic Cement Company, which became a part of Blue Circle Cement Company and now La Farge, North America, where he serves as Major Market Manager.

WILLIAM A. MARINO is Founder and CEO of The Allied Group, a surety and insurance company, located in Jericho, New York. He earned a Bachelors Degree from the College of Insurance and a Business Administration Degree from the Baruch College Graduate School of Business Administration.

ROBERT B. MC CLOSKEY is President and Owner of McCloskey Contracting Company, Parsippany, New Jersey, a company engaged in heavy, highway and utility construction in the New York Metropolitan Area.

MARTIN MC DERMOTT is District Manager of McKinney Drilling Company, Philadelphia, Pennsylvania. He earned a Bachelors Degree in Geology from LaSalle University and a Masters Degree in Geology from Drexel University.

STEPHEN K. MERGENTIME followed in his father's footsteps and earned his Civil Engineering Degree from Purdue University. Upon graduation, he joined the family's company, MERCO, Inc. where he serves as President.

DWIGHT METCALF serves as Project Sponsor in the Chicago area office of Kiewit Western Company. He earned both Bachelors and Masters Degrees in Civil Engineering from Arizona State University.

Until recently, RONALD W. OAKLEY served as President and CEO of Skanska USA Building. He is now President of Shaw Environmental and Infrastructure, Baton Rouge, Louisiana. He earned his Bachelors Degree in Building Construction from Clemson University.

ROBERT E. REAGER earned a Bachelor of Science Degree from Rutgers University and is President of Joseph Jingoli & Sons, Inc., Lawrenceville, New Jersey, where he has been employed for over twenty years.

RICHARD A. ROGERS is Chief Estimator of the North East Division of Frontier-Kemper Constructors, Pelham, New York. He is a Civil Engineering graduate of the University of Rhode Island.

THEODORE VON ROSENVINGE is Founder and President of Geo/Design, Inc., a geotechnical engineering company, located in Middlebury, Connecticut. He holds a Bachelors Degree in Civil Engineering from Northeastern University, a Masters Degree in Civil Engineering from MIT and an MBA from the University of Connecticut.

PETER J. ZIPF is Director of Engineering and Deputy Chief Engineer of the Port Authority of New York & New Jersey. He has a Bachelors Degree in Civil Engineering from Manhattan College and a Masters Degree from Polytechnic Institute.

**AWARD DINNER
January 30, 2008**



**Left to Right: Front Row - Richard A. Rogers, Peter J. Zipf, Frank LoRe, Jr., Stephen K. Mergentime
Back Row - Henry L. Goldberg, Jeffrey M. Cruz, Dwight Metcalf, Roderic A. Ellman, Jr., Robert B. McCloskey**

Welcome New Members

Congratulations! You have become a member of a unique and remarkable organization with a great tradition of accomplishment and fellowship. To gain the most from your membership, you need to be an active member. Plan to attend all functions and activities.

Comparison of New Members to Existing Membership

As our readers may recall, a year ago, in the July 2006 issue of Holing Through, a report was presented comparing the age and geographical distribution of new members to the age and geographical distribution of the membership over the past twenty years.

	PAST TWENTY YEARS	2007
Age of Members	48 to 52 years	50.5 yrs.
Geographical Distribution		
Metropolitan N Y Area	50 %	50 %
New England Area	10 %	15 %
Mid Atlantic States	10 %	10 %
Far West	8 %	-0-
Mid & Central West	6 %	10 %
Remainder of Country	16 %	5 %

It is quite amazing how this age and geographical mix of the membership remains pretty much the same from year to year.

Tunnelling for Freedom

News reaches Tunnelling & Trenchless Construction of a daring escape attempt by inmates of Ceresco prison in Mexico, near the US border. According to the *El Paso Times*, inmates dug a tunnel in a daring bid to break out from the prison.

But, this was no crude Nazi concentration camp-style tunnel as seen in films like *The Great Escape* and *The Wooden Horse*. By all accounts, this was a well-engineered affair, complete with wooden and concrete supports, a fan and even electric lights. Embarrassed prison officials had to admit the tunnel had been well constructed.

Measuring more than 1 m in height and around 4.6 m in length, it stretched between the prison's interior fence and outside wall. Unfortunately, it was 9 m too short of the perimeter fence to allow the intrepid inmates the chance of a new life.

But, the whole affair just goes to show that whether underground in a prison, under the sea or through a mountain, a tunnel is something that we associate with freedom. The freedom to travel unhindered, the freedom to gain access, the freedom to pass through or under obstacles. Tunnels demonstrate perfectly the engineering spirit of daring and ingenuity, of overcoming obstacles, no matter how seemingly insurmountable.

These were clearly some of the inspirations that led Marc Brunel (father of Isambard) to supervise the construction of the Thames Tunnel, which opened in 1843—the first tunnel to be constructed under a navigable river. During its construction, Marc's son, Isambard, was assigned to replace the ailing chief engineer, a task which he carried out with relish and aplomb even in 1827, when the river broke through the unsupported section of the shield. Brunel's bravery rescued an old man from the disaster.

Yet, within a day, Brunel was back and inspecting the damage in a diving bell and overseeing repairs. Of the disaster, he later wrote: "While standing there the effect was grand—the roar of the rushing water in a confined passage and, by its velocity, rushing past the opening was grand, very grand. I cannot compare it to anything; cannon can be nothing to it. At last it came bursting through the opening. I was then obliged to be off—but up

to that moment, as far as my sensations were concerned, and distinct from the idea of the loss of the six poor fellows whose death I could not then foresee, kept there."

Today, few tunnel engineers would relish the thought of such a disaster happening in their tunnels. Yet, Brunel's determination was such that the damage was quickly repaired and the work resumed. In 1828, another disaster happened when the river broke through yet again and he narrowly escaped death.

The Thames Tunnel was finally completed in 1843 when it was opened to pedestrian traffic and hailed as the eighth wonder of the world. It is still in use, with around 14 million passengers traveling through it each year.

Tunnels no longer tend to be hailed as wonders. Which is a pity because many, like the Channel Tunnel between England and France, will have overcome obstacles that required ingenuity, engineering prowess and daring. Perhaps the technology has become too commonplace, too familiar in an electronic age.

Yet, numerous ongoing projects should be considered marvels of engineering, some of which we review in this issue. The 8.14 km-long, 13.7 m i.d. twin-tube tunnel currently being constructed under the Yangtze River will, when completed, allow Shanghai to expand on to Chongming, the third-largest of China's islands. The project is also noteworthy for using the two largest TBMs ever to have been built, at 15.43 m in diameter.

Another example, the Tauern Tunnel in Austria, is being upgraded with the addition of a second tube in order to alleviate severe traffic congestion and comply with EU guidelines. Again, difficult and dangerous conditions are being encountered and overcome.

Both projects have faced more than their fair share of problems, yet both, when completed, will have broken a few records along the way and constitute marvels in their own right. They embody the spirit of Brunel, of ingenuity and determination. But, in a way, they also embody the spirit of Ceresco inmates who designed and built a tunnel in order that they might be free.

Article by George Demetri, editor, Tunnelling and Trenchless Construction, April 2007 Issue

UNDERSTANDING ENGINEERS

Two engineering students were walking across a university campus when one said, "Where did you get such a great bike? The second engineer replied, "Well, I was walking along yesterday, minding my own business when a beautiful woman rode up on this bike, threw it to the ground, took off all of her clothes and said 'Take what you want'. So I took her bike."

To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the engineer, the glass is twice as big as it needs to be.

ANNUAL BUSINESS MEETING—May 2, 2007

Each year, there are two members only meetings and dinners for Moles members; one in the Spring and one in the Fall. The Spring meeting and dinner, which occurs just after the close of the Moles' fiscal year on April 30th, is called the Annual Business Meeting, held this year on May 2nd. The evening activities consist of a lecture on a subject of interest to Moles members, followed by a cocktail hour and then the meeting and dinner. Reports are given at this meeting by the Secretary, the Treasurer and all of the Committee Chairmen. New Officers and Committee Chairmen are then introduced.



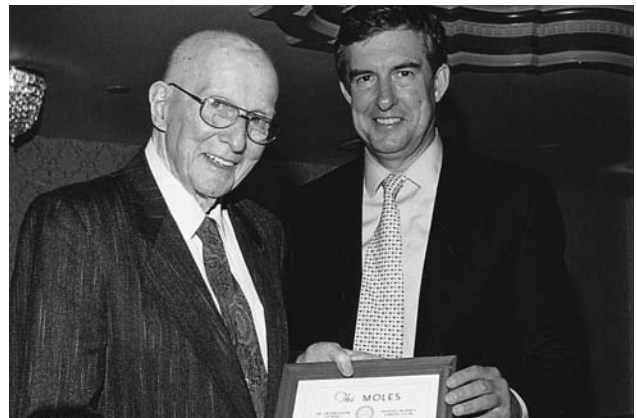
The Setting—Mercury Ballroom
New York Hilton Hotel



Enjoying Pre-Dinner Repast
During Cocktail Hour



Incoming President, Sal Mancini (right), receives the
gavel from outgoing President Rich Weeks



Dick O'Sullivan (left) receives his 40 Year Certifi-
cate from President Rich Weeks



Tony Mazzo (left) assists Education Committee Chair-
man Mike McHugh with the McAlinden drawing



Steve Plate of the Port Authority delivers Lecture on the
World Trade Center site

2007 Moles Student's Day



Student's Day returned to Lower Manhattan on April 13, 2007 and was again a resounding success with over 400 students and faculty members in attendance. After a welcome by Education Committee Chairman Mike McHugh and Moles President Rich Weeks and an orientation by Steve Plate and Ray Sandiford of The Port Authority, the students embarked on a site tour of the World Trade Center site, the Dey Street Subway Connector and two building foundation sites. The students then returned for lunch at 7 World Trade Center, with a feeling of exhilaration, for most, this being their first close-up construction experience after four years of civil engineering studies.

