

NEWS BULLETIN

AN ASSOCIATION OF INDIVIDUALS



OF THE MOLES

ENGAGED IN HEAVY CONSTRUCTION

HOLING

THROUGH

APRIL, 1987

Irving R. Huie Elected President

IRVING R. HUIE, Senior Vice President Group Executive of Perini Corporation's Heavy Operations, headquartered in Framingham, Massachusetts, has been elected to serve as President of The Moles for the 1987/88 year. He succeeds S.S. (Steve) Greenfield, Chairman of the Board of Parsons Brinckerhoff Inc. Irv will receive the gavel, symbol of Office, at the Annual Business Meeting and Dinner to be held at The New York Hilton on Wednesday evening, May 6, 1987.

Other Officers elected are: First Vice President, Gerard J. Carty, Vice President & Chief Engineer, Walsh Construction Company; Second Vice President, Sherwood E. Liles, III, Vice President and Director, Tidewater Construction Corp.; Treasurer, Robert C. Koch, Vice President, Yonkers Contracting Co., Inc.; Secretary, Michael J. Ucci, Vice President, AMCA International Corp.; Sergeant-at-Arms, Eugene F. Gibbons, Founder, Gibbons, Esposito & Boyce Engineers, P.C. Trustees elected for three years are: Frank Gregory, Executive Vice President, Warren George, Inc.; Henry J. Massman, III, President & Chief Executive Officer, Massman Construction Co.; and George B. Searle, President, I.A. Construction Corp.



Irv is a 1950 Civil Engineering graduate of Rensselaer Polytechnic Institute. He is a son of the late Irving V.A. Huie, an Honorary Member of The Moles who presented The Moles' first Non Member Award in 1941 to Robert Moses a close associate. Irv's dad was Commissioner of NY's DPW and a prominent, respected and popular leader in heavy construction circles.

Immediately after graduation Irv joined the joint venture of Walsh-Perini as a field engineer on the Pepacton Tunnel Project in New York. During the period 1951 through 1953 he served in the U.S. Army, Corps of Engineers, completing his service as a First Lieutenant in the C.O.E. Aviation Brigade in Korea. He rejoined Perini Corporation as one of the company's first engineer trainees after his discharge working at Limestone Air Force Base, Maine; Chattahoochee Lock and Dam, Florida; Snell Lock on the St. Lawrence Seaway; Bethlehem Steel Graving Docks in Massachusetts; subway extension project in Boston, Massachusetts and became project manager on the Callahan Tunnel project under Boston Harbor.

In 1962 he was project manager for the Perini-MK-Kaiser joint venture on the Massachusetts Turnpike Extension, at the time, the largest non-military contract ever awarded. In 1964 Irv was elected one of the "Outstanding Young Men of Greater Boston". In 1965 he was appointed Vice President and Heavy Division Manager and supervised the Uniontown Lock, Kerr Dam, Amistad Dam and numerous transportation projects in the New England area.

(Continued on Next Page)

Irving R. Huie

(Continued from Page 1)

In 1972 Irv managed the Perini-Horn-Brown and Root-Savin-McKinney joint venture at North River the \$225 million project consisting of foundations and platform on which the sewage treatment plant would be built in New York City. Upon completion of this job he assumed control of the company's heavy construction operations, first as Group Vice President and later as Senior Vice President. Projects have included interstate road work in New York, Vermont, Pennsylvania, Massachusetts, the Seabrook Nuclear Power Plant in New Hampshire and subway and transportation projects in Boston, New York, Washington, D.C., and Miami, Florida.

Irv has been a member of the Moles since 1968 and has served as Trustee, Vice Chairman and Chairman of the Membership and Award Committees and Second and First Vice President. He is a Registered Professional Engineer in the states of New York and Massachusetts.

He and his wife, Patricia reside in Framingham, Massachusetts and are the parents of eight children.

ANNUAL BUSINESS MEETING & DINNER

To be held on
WED., MAY 6, 1987

At The New York Hilton

•
*Installation of
New Officers*

•
Introduction of New Members

•
*Presentation of
Life Memberships*

•
**Tickets can be obtained
from The Moles' Office**

Hammond Elected To Transit Hall of Fame

DAVID G. HAMMOND, internationally recognized transit engineer and administrator, has been elected to the Transit Hall of Fame by the American Public Transit Association. This award recognizes outstanding contributions to the transit industry on a sustained basis. Dave was acclaimed by APTA as "a significant planner in the mobilization of the nation" and "noted for his expertise in safety, operating efficiency, innovation, maintenance, and human needs." The acclamation continues, "Daily, people in many cities across the nation, including Baltimore, San Francisco, and New York ride the tracks and rails designed, constructed, and administered through David Hammond's leadership".

He was honored at a ceremony during the APTA Annual Meeting in Detroit in October. A plaque noting his achievements will be permanently displayed in the Transit Hall of Fame in APTA's Washington, D.C. headquarters. Recently retired as a vice-president of Daniel, Mann, Johnson, & Mendenhall (DMJM), Dave remains as a consultant to the firm.

As a DMJM vice-president, he was project director for Metro Rail consultants, a four-firm joint venture serving as general consultant to the Southern California Rapid Transit District for the Los Angeles subway starter line. Earlier, he directed the activities of the DMJM-sponsored general consultant joint venture serving the State of Maryland Mass Transit Administration for the planning, engineering management and design of the \$900 million, award-winning Baltimore Regional Rapid Transit System. Other transit projects with DMJM involvement under Dave's overview include the Phase II Morgantown People Mover; Vancouver Advanced Light Rail Transit; New York City Transit Authority Capital Revitalization Program; New Jersey Transit Rail Equipment Maintenance Facility; Houston Transit Program; Niagara Frontier Transportation Authority South Campus Station; and the Culmer Station for Miami Metro Rail. Prior to joining DMJM in 1973 he served for nine years as assistant general manager for the San Francisco Bay Area Rapid Transit District (BART) directing all engineering and operations for the award-winning BART system. ■

The Moles 1937-1987

Looking ahead to The Moles' Fiftieth Anniversary Steve Greenfield appointed a Five-Man committee during his term as President. The Committee composed of GERARD J CARTY, Chairman along with IRVING R. HUIE, CHARLES E. MERGENTIME, JOHN D. SAUNDERS and JACK T. WALLE has been carefully studying various ways to celebrate this auspicious milestone in The Moles history. While we do not want to spoil their surprises, we will say that every Mole Member should try to participate in the various celebrations the committee has planned. It may be well to note The Moles' calendar of events on your calendar so that you will be ready and able to come out for all these functions. Let's strive for attendance above all. Show your fellow-Moles you care. As Steve put it at one of the recent Executive Committee Meetings, "This is a very exciting time of The Moles and we have good reason to celebrate. We should let it be known that we are INDEED an organization practicing fellowship for fifty years."

The April 1981 issue of *Holing Through* carried the story of his election to the National academy of engineering deemed to be "the highest professional honor that can be conferred on an engineer." He is the author of numerous technical papers. Earning a Bachelor of Science degree in Civil Engineering from Pennsylvania State University and Master of Civil Engineering Degree from Cornell University. He served 25 years with the U.S. Army COE retiring with the rank of Colonel.



Moles Elect

26 New Members

Twenty-six candidates for membership were elected at the April 7th Executive Committee Meeting. Their membership becomes effective May 1, 1987. They are alphabetically listed as follows: WILLIAM J. CARLSON, Walsh Construction Company; HENRY N. CHRISTENSEN, JR., Norton & Christensen; RAYMOND COCHARD, Mergentime Corporation; HERBERT CONANT, Turner Corporation; EDUARDE CRUZ, E.E. Cruz, Inc.; THOMAS E. DAILEY, Perini Corporation; CHARLES T. DAVIDSON, J.A. Jones Construction Company; PETER H. EDINGER, Mueser Rutledge Consulting Engineers; BRIAN FLAHERTY, Morrison-Knudsen Company, Inc.; DAVID GOODMAN, United American Energy Corp.; WILLIAM O. GOODRICH, Morrison-Knudsen Company, Inc.; DANIEL M. HAHN, Port Authority of NY & NJ; FRANCIS X. HALL, Howard Needles Tammen & Bergendoff; CHARLES HAMWEE, Slattery Associates, Inc.; ARTHUR R. HOCH, Armitage & Company, Inc.; BRION E. LINDHOLM, Great Lakes Dredge & Dock Company; JOSEPH M. MCGOLDRICK, Clark-Fitzpatrick, Inc.; ALLAN G. PROVOST, Harrison Western Corporation; RAYMOND D. REED, J.C. MacElroy Co., Inc.; DONALD H. SAUCIER, Ireco, Inc.; GERALD P. SHEA, Louis Berger International, Inc.; JOSEPH J. SMITH, J.A. Jones Construction Company; RICHARD A. STERMER, Kiewit Eastern Co.; CHARLES H. THORNTON, Lev Zetlin Associates, Inc.; THOMAS B. TREACY, Buckley, Treacy, Schaffel, Mackey & Abbate; BYRON F. WETMORE, Lane Construction Corp.

Complete bios will appear on all these members in the next issue of *Holing Through*.



GEORGE SCHOEPFER died suddenly on March 4, 1987. He was 57.

A native New Yorker, born in Brooklyn, George graduated with a civil engineering degree from City College in 1951. He joined the Triborough Bridge and Tunnel Authority in 1955 and was a close associate of the late Robert Moses, Master Builder and former head of TBTA. He remained a confidant until Mr. Moses' death in 1981.

In 1974, George became Executive Officer and Chief Engineer of the Triborough Bridge and Tunnel Authority, the position he held at the time of his death. During his more than thirty years he played a principal role in such major engineering and construction projects as the Throgs Neck, Verrazano-Narrows and the new Cross Bay Veterans Memorial Bridges. In addition to his duties at TBTA he served on the Board of Directors of the Convention Center Development Corporation, the organization responsible for constructing the nation's largest convention center on Manhattan's west side. He also served on the Board of the New York Building Congress, and the American Society of Civil Engineers. He became a member of The Moles in 1968.

George always found time in his busy schedule to assist worthy organizations. He was a member of the Board of



MICHAEL F. BREEN, SR. died on January 6, 1987. He was 82.

Frank started in 1920 working on general excavation and foundations. Over the years he did difficult rock excavation work and in 1939 he founded Michael F. Breen, Inc. During the next twenty years the firm with Frank at the helm was involved in many important projects including the Port Authority bus terminal, and the New York Coliseum.

In the early 60's through the mid 70's Frank was involved in most of the major new construction that changed the skyline of New York City. Major office buildings, high rise apartments, city housing, roadways and subways all bear the mark of his participation. Today his sons carry on the family name in construction. Two of them are members of The Moles, namely, Jim and Mike, Jr.

He was elected to membership in The Moles in 1959 and received his 25 Year Certificate in 1984.

Directors of Carmel Richmond Nursing Home on Staten Island and the Manhattan Advisory Board of the Salvation Army. He also served on the Board of Directors of the Greater New York Councils, Boy Scouts of America.

Above all else he will be remembered as a dedicated and devoted public servant.

Award Dinner

Thirteen hundred construction executives from east and west gathered in the grand ballroom of The New York Hilton Hotel in New York City to pay homage to The Moles and the recipients of The Moles' 1987 Award for Outstanding Achievement in Construction, RICHARD D. HARZA, Non-Member Recipient and CHARLES E. MERGENTIME, Member Recipient. — And to enjoy the camaraderie that exists at all The Moles' meetings.

IRVING R. HUIE, First Vice President of The Moles presided in place of President, S.S. GREENFIELD. Steve was at his wife's side at a hospital in Bethesda, Maryland. (Incidentally, last reports from Steve is Eleanor is getting stronger every day.)

After the National Anthem, Irv Huie introduced the principal speaker of the evening, Dr. RICHARD L. TUCKER, C.T. Wells Professor of Project Management and Director of the Construction Industry Institute at the University of Texas at Austin. (Excerpts from Dr. Tucker's address appear on page 5 and 7) Dr. Tucker was presented with Honorary Membership in The Moles and Irv introduced the Chairman of The Moles' Award Committee, SHERWOOD E. LILES, III who in turn introduced JOHN D. SAUNDERS to present the Member Award to Charles E. Mergentime. John referred to the children's story "The Little Engine That Could" in describing Charlie. John also pondered on how big is Charlie's company and was reminded of another story, where the boy asked his dad, "How big is a ton of coal?" and his dad replied, "It depends on if you're shoveling it or buying it." — John explained that Charlie is a coal shoveler. He described Charlie's qualities in some detail, including his bull dog tenacity but to sum it up he referred to him as having the five qualities a leader should have: knowledge, imagination, sound thinking, initiative and hard work.

In his response, Charles Mergentime was reminded of a proverb "behind an able man there are always other able men" at which time he recognized the capable and dedicated members of his company. He also recognized his many joint venture partners and his wife and family. He recognized builders (Moles if you will) as wanting to know "how things work and how to make them



CHARLES E. MERGENTIME receives The Moles' 1987 Outstanding Achievement in Construction Award from JOHN D. SAUNDERS — January 28, 1987.

better, faster and cheaper". He paraphrased an axiom, a builder is "a man who can do a job for a dollar, that any darn fool could do for two dollars" Charlie spoke of his colleagues in the industry and said, "it is the joy of conquering adversity that keeps us thriving". He went on, "There is another pleasure in my world of construction and that is this organization, The Moles. It would be hard to overstate the importance to me of my long association with the men in this room. We have worked together, competed with each other, and our fellowship is strong. We are bound together by the continuity of ideals and the purpose of this organization since it was founded fifty years ago".

Sherwood, back at the microphone, introduced WILSON V. BINGER to present the Non-Member Award to Richard D. Harza. Wilson recalled that his acquaintance with Dick Harza started a good many years before they actually met. "At least in a sense, because I knew his father many years before I met Dick — And also in a certain sense I knew his father before I ever met him in the flesh. Those of us who were civil engineers 40/50 years ago and had an interest in water resources engineering, and dams in particular, knew of LeRoy F. Harza, as a pioneer in many aspects of engineering, — as a giant of his time, — as an innovative thinker, and — as a man who

did not suffer fools gladly and it was he who founded the Harza Engineering Company in 1920. LeRoy did not live to see his firm grow to its present size, and he did not live to see his son become, first, President then, Chairman of the firm but he would have been proud of his son and glad he followed in his footsteps."

Wilson went on, "you have his bio in the program, I would like to touch on his personal side. Dick has the kind of imaginative mind that leads to ingenious solutions to problems but not necessarily to financial rewards. — For example, in the 1960's he conceived the idea of an offshore airport for Chicago to be located in Lake Michigan. Harza Engineering did two studies on the project but the project did not move into design and construction. Ironically in 1970, Dick was invited by the city of Osaka, Japan to give a talk on offshore airports and now — Osaka's offshore airport is going ahead full blast in water twice as deep as Lake Michigan in Chicago. Dick says, 'you may not be able to keep a good idea down, but you can't always be a hero at home'.

In his response, Richard D. Harza said, "This is an evening for me to never forget — and I must say there have been some tough acts to follow. I had prepared a speech with historical references, but Dick Tucker seems to have covered all that with his story of Imhotep, the

architect of the pyramids. — I want to thank all that have been involved in this wonderful evening, including one who isn't here, your President, Steve Greenfield." Dick went on, "I know that this tribute which I'm fortunate enough to receive, is actually a tribute to a company, a group of people who have stayed together and have accomplished something — there is no ONE person, it is not a virtuoso performance. — I have three of those people from our company here tonight."

He recognized the retired Chairman of the Board, Ken Sorensen. — He also recognized the retired Chief Geologist and in so doing said, "if a man in a dam design company gets your ten biggest dams on sound foundations, he is an important man — Dr. Clifford Willis is an important man." The third person Mr. Harza referred to as "our new President of Harza Engineering — we wrote down a list of characteristic specifications and we decided anyone who should be President of Harza obviously would be a beaver and a mole, so we thought and thought and came up with a cross between a beaver and a mole — a duck and so we have with us tonight, Don Duck". Dick Harza said, "I looked at the list of the previous Award winners and I'm dazzled, — I saw the names, Robert Moses, Harry Morrison who was a friend of my dad, Herbert Hoover, Guy Atkinson, Karl Terzaghi, — I wondered was there some mistake, I figured they got the name and address wrong. But

seriously, I am so happy to be included in a latter day on the same scroll with those people. — and so — all I can say now at this 47th Award Dinner, thank you for the night of my life, thank you all very much." Mr. Harza was presented with Honorary Membership in The Moles and all the privileges that go with it. We certainly hope to see more of this brilliant, warm human being.

The ceremonies were concluded with the traditional singing of "Auld Lang Syne" and visiting lasted until the wee hours.

Excerpts from DR. RICHARD TUCKER's Address

I'm delighted to be with you this evening even at the expense of leaving 75 degree weather in Texas and wearing attire that I'm not accustomed to wearing. However, I don't think I'm unique in that, I've overheard several remarks tonight like "sorry, I didn't recognize you without your hard hat!"

After learning I was to deliver this address, many persons offered advise regarding a topic. My wife suggested I should discuss some academic experiences and some of the creative, yet eccentric professors involved. For example, I once worked with a physics professor who rode a bicycle to the University. That in itself wasn't so odd,

except his bike had no brakes and whenever he wanted to stop he just rode it into a wall.

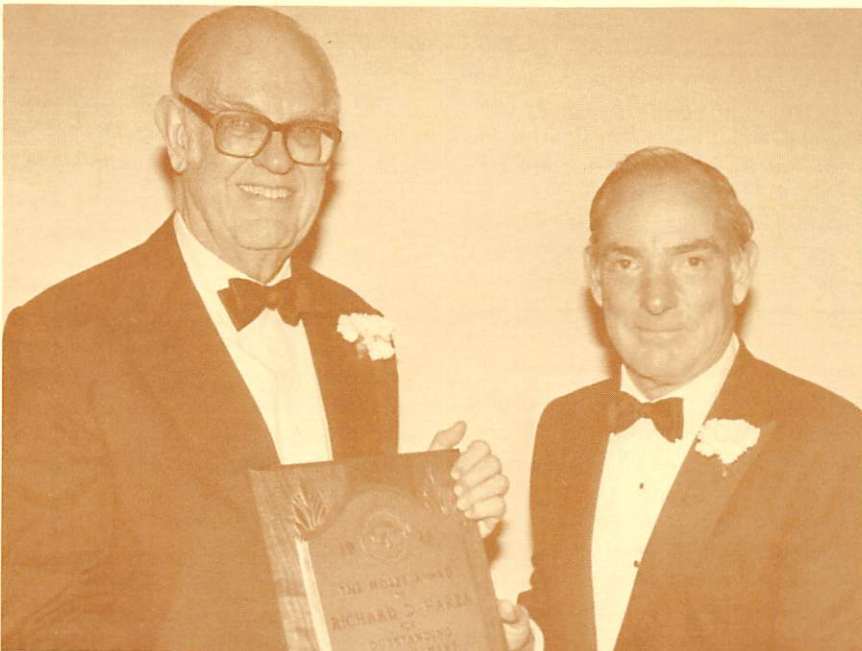
Then we had another professor that never got a Ph.d. although he was a brilliant researcher, outstanding teacher and the only reason he didn't get a Ph.d. was because he couldn't pass the exams, he only wanted to set up the equations and when he was told they give scores on the basis of final answers he said "I've got more important things to do, we can have others work out the arithmetic, that's beneath my dignity!"

Carroll Dunn suggested that I might talk to you about the history of The Moles, and The Moles certainly have a glorious history as an organization, starting with the building of the New York Subway and the tunnels responsible for this city's excellent transportation network. It has carried on for fifty years with a glorious tradition both as an organization and in the accomplishments of its members. Jack Agresti of the Guy F. Atkinson Company advised "make it challenging because if there's ever a group that needs challenging it's a 'black tie group' that you can get sitting down in New York." Keith Price of Morrison-Knudsen said to make it meaningful. Steve Greenfield, your President said to keep it light and Art Fox said keep it under twenty minutes.

Some of my credentials may not be apparent. One is that as a University Professor I know about as much about the construction industry as you would expect a University Professor to know, not very much! My father was a painting contractor and he fired me somewhere along the line, said I couldn't do quality work so he sent me to the University instead. — I can't weld, I can't saw a board straight, I can't operate a backhoe, I can't design a retaining wall, at least not one that I'd be willing to put an engineers seal on, I don't have the capability of making an estimate that any of your companies would be willing to bid a job on, in short I have some pretty severe limitations as far as credentials for speaking to this group. However, I might mention that I've looked at the list of previous speakers and mine is as good as theirs.

This is a very complicated industry, one that has a lot of different people, we talk about its fragmentation and it has a lot of different crafts, a lot of different skills involved and the skilled craftsman

(Continued on Page 7)



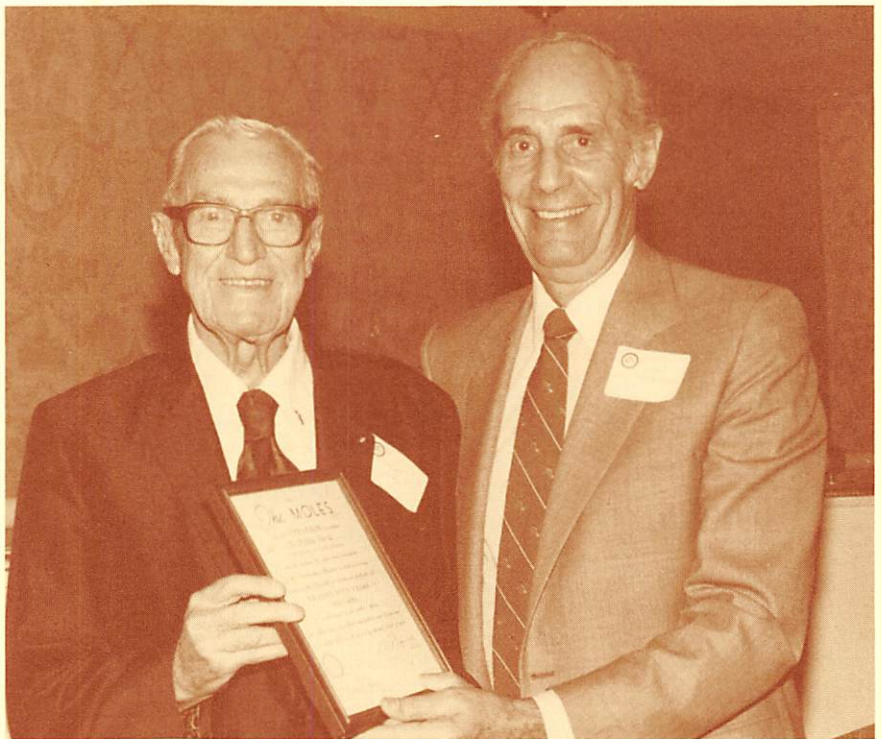
WILSON V. BINGER presents The Moles' 1987 Outstanding Achievement in Construction Award to RICHARD D. HARZA — January 28, 1987.

N. BLAKE KING died January 15, 1987. He was 78.

Mr. King's early years were spent as a rigger with the Kansas City Bridge & Iron Co. During the period from 1928/39 he worked on various bridge projects and marine construction for Merritt Chapman & Scott Corp. In October 1939 he formed his own construction company N.B. King and Company where he served as President and General Manager until his retirement in 1980. The firm did general construction work (airports, roads, waterways, bridges, water and sewer lines, tunnels, etc.) in the New London area. During the period from 1942 to 1945 Blake was in the Sea Bee's 301st Battalion engaged in waterfront clearance and harbor construction.

Until his death he was President of Blake Realty Incorporated and enjoyed his Life Membership in the New London Tuna Club and the U. S. Atlantic Tuna Tournament.

At the November 1986 Members' Dinner, Blake King came out to receive his 25 Year Certificate from President, Steve Greenfield (see photo opposite).



N. BLAKE KING receives Twenty-Five year member certificate from President, Greenfield November 5, 1986.



RICHARD L. BARBER died on December 3, 1986 after a long illness in Sudbury, Massachusetts. He was 81.

Graduating from the University of Rhode Island with a B.S. degree in Civil Engineering in 1927, Dick devoted his entire career to the heavy construction industry. He held Executive positions with Raymond International and Dillingham and prior to that during the period from 1954-59 he was Chief Engineer and Member of the Operating Committee on the Spanish Air Bases. He was General Manager of Heavy Construction for the Hawaiian Dredging Company during the period from 1947-54.

Dick was elected to membership in The Moles in 1964 and after retirement he was elected a member emeritus in 1979.

RAY F. PAPE died March 21, 1987 as a result of a stroke he suffered a week prior to his death at Vero Beach, Florida. He was 80.

Born in St. Louis, Missouri he received his Civil Engineering degree from Washington University St. Louis, Missouri in 1928.

After graduation he worked primarily in Panama with construction forces on the Madden Dam and with the U.S. Corps of Engineers directing design and construction forces on emergency landing fields and air bases in Central and South America until 1942 when he volunteered for duty with the U.S. Navy. He served as Operations Officer in charge of design and construction of landing fields, air base operations facilities, docks and roads in the Pacific. He was awarded the Bronze Star Medal of Meritorious Service during this period. In 1945 he was discharged with the rank of Lieutenant Commander.

In 1947 Ray joined Johnson Drake & Piper a heavy construction firm and served until 1968 as Vice President and Assistant Foreign Manager of their overseas operations including a three-year road-building project in Vietnam consisting of 300 kilometers of roads and 250 bridges. In 1968 he formed a suc-

cessful construction company oriented toward road and airport construction in Central America. Sometime later he retired and lived in Vero Beach, Florida continuing to travel and do consulting work on a limited basis.

WILFRED M. HALL died on November 5, 1986. He was 92.

"Mac" Hall was retired Chairman of the C.T. Main Corporation headquartered in Boston, Massachusetts. In his 68 years of construction experience, over 40 of those with C.T. Main a leading design-construct firm, Mac was associated with hydroelectric design and construction and the development of the pumped storage concept and pump-turbine generator.

He provided the leadership and overall project direction for both the St. Lawrence and Niagara Power Projects.

Honors accorded him over the years, while too numerous to list in its entirety, include: Member, National Academy of Engineering; Past Director, United States Committee on Large Dams; Distinguished Alumnus Award from University of Colorado; Honorary Doctorate of Engineering from Tufts University and the Newcomen Society of North America Honor for Distinguished Service and accomplishments.

cessful construction company oriented toward road and airport construction in Central America. Sometime later he retired and lived in Vero Beach, Florida continuing to travel and do consulting work on a limited basis.

TUCKER (Continued from Page 5)

on the job is just as meaningful to the success of that job as the president or the designer or someone else.

We might reflect for a minute about the definition of a Mole because this is a rather elite organization. As a start, I looked up the definition of a mole in the 1964 World Book Dictionary and Encyclopedia — you'll notice that we academics are precise about such things. I found there are six definitions. The first two relate to physical abnormalities, the nicest being a congenital brown spot on the skin. There's a closer definition that relates to a person that works in obscurity, patiently and painstakingly. An aberration of that definition, particularly in today's clandestine operations I guess is a spy. There are more applicable definitions that relate to our group at least, a Mole is a barrier built with stone to break the forces of waves sometimes serving as a pier or breakwater. The harbor formed by such a barrier is also called a Mole and if you read Greek literature, Herodotus' account of the three greatest Greek engineering works in pre-Christian times includes a description of a mole in the sea that was 400 yards long built of stone and as a matter of fact the Colossus of Rhodes is rumored to have had its front paws sitting on two great moles in the harbor.

The most immediate thought that comes to mind when we hear the word "mole" is that of small almost blind, furry creature that's a tireless rapid digger and as a matter of fact a mole can dig up to 300 feet of tunnel in one night under certain conditions. Perhaps the Mole then is a fitting representative of our industry, which in my opinion is certainly the world's greatest industry. It is an industry that by its inherent nature is dedicated to serving people. If you will look at the development of all the major civilizations of the world you will find that all of those civilizations were developed primarily on the basis of physical projects and the structures that were built by their leaders to serve their people.

It is an industry that we perform rather well. I have worked in and toured manufacturing plants in many industries ranging from aerospace to electronics. There is no doubt in my mind that, considering the circumstances, the construction industry is much more efficient. We have no benefits of mass production. Each of

our projects is equivalent to the first prototype off an assembly line. We also have adverse weather and location factors. We cannot work in climate-controlled conditions, or even specify all of our materials. In particular, we don't even know all of the characteristics of the soil materials until we dig it out. What's more, each project requires a new organization, made up sometimes of people who don't know each other and haven't worked together before. They have to get acquainted, set up an organizational structure including a communications system, set up procedures and still meet tight costs, schedule and quality constraints. — And the better they perform their jobs the quicker the job will be over and they will have to look for another one. — All of this at high risk, and low profits. I think we serve the people rather well. I think we can all brag about our successes. In summarizing, Dr. Tucker said, "Ours is a great industry. Civilization as we know it today, owes its existence to that long and arduous struggle to make the forces of nature work for man's good. From Imhotep, the engineer who built the first pyramid in 2700 BC, through the time of Hammurabi, through the Roman Empire and to the era of Richard Harza and Charles Mergentime, our civilization's advancements have been measured in terms of construction accomplishments. We shall continue to make advancements, because our industry serves people. As long as there are more people, there will be more construction needs. Our problems are great — funding, productivity, and competition. After all, in technologically advanced lands, the state of knowledge moves rapidly. Competition will increase. Our industry's challenges will not be solved by actions of outsiders. If the U.S. Government were to pass everything currently lobbied for, only partial and temporary benefits would occur. Only WE can influence the competitive aspects of our long term future. In my opinion, the progressive companies will survive and prosper and the more conservative companies will fall by the wayside. Our problems are great but our opportunities are just as great. I urge you to focus on these opportunities. The world's population is still growing. Thus there will continue to be construction needs. If we Americans are as good as we say, we should welcome competition. Certainly we have the knowledge base for a com-

● Life Member, HAL W. HUNT, well known in publication and deep foundation fields has joined the staff of Dougherty Foundation Products at Franklin Lakes, NJ as Chief Engineer. The firm specializes in accessories for driven piles and the materials and equipment for all deep foundations work. Hal had served in a similar capacity for Associated Pile & Fitting Corp., at Clifton, N.J. for 17 years. During his long career in engineered-construction Hal has worked in both field and office for contractors, public agencies and consultants in 19 states and overseas.

● RUDY J. van LEEUWEN has been elevated to the position of President of Spencer, White & Prentis, Inc. Rudi joined the firm in 1959 shortly after earning his civil engineering degree from Hogere Technische School in Amsterdam, Holland. He became a member of The Moles in 1971 when he was Assistant Chief Engineer for that firm. He has been actively involved in The Moles ever since, serving on committees nearly every year since 1972. He is currently serving as Vice Chairman of The Moles' Education Committee.

● CHARLES A. WORISCHECK, Chief Engineer and a Vice President of Conduit & Foundation Corp has been elected a member of the New Jersey Alliance for Action.

petitive edge. There is probably more advanced design and construction knowledge and talent in this room tonight than collectively existed in the world until the twentieth century. I am confident that our industry will meet its challenges and will realize the advancements, in our lifetime, necessary for the next major leaps forward. As you can tell, I'm proud to be identified with The Moles, because you are a bunch of 'Winners'. Thank You.

Dr. Tucker included in his talk, and conveyed to the assembly, important facts about the Construction Industry Institute which we could not include here but suggest getting in touch with him direct for any information you may want.

Education Committee Activities

At the November 5, 1986 Members' Dinner, the Education Committee hosted certain Student Engineers and Faculty from Eastern Engineering Colleges along with an instructor and cadet from the United States Military Academy at West Point. (See photos opposite) Below is a copy of a letter received from the instructor at West Point, Harold J. Leeman, Jr., Captain, U.S. Army Corps of Engineers, which we thought The Moles' members might like to share.

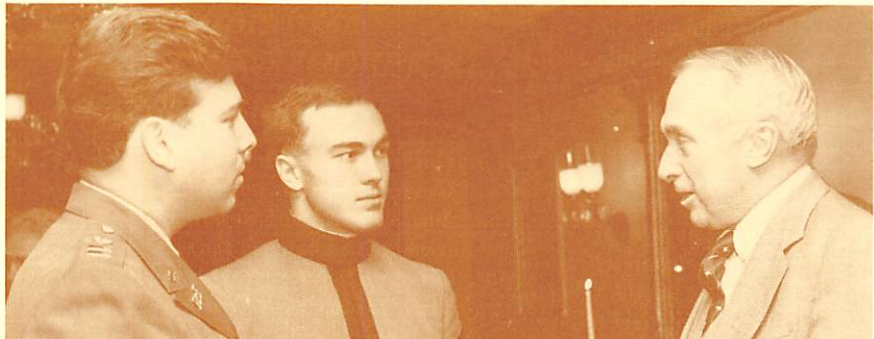
"I want to express my sincere thanks for inviting me and Cadet Paul Rollins to share in your Annual Fall Members' Dinner. It was an experience that I will not forget, both professionally as well as socially. It is not very often, as a professional Army officer, that I get the chance to talk with the presidents and senior officers of highly regarded engineering firms."

"I especially appreciate the opportunity to attend the Education Committee's Reception before the dinner. To meet and talk directly to the officers of your organization, and to the outstanding students that you honored was very enlightening. I appreciate your thoughtfulness in having the West Point faculty included in your plans. It was very interesting to hear the impromptu thoughts of your members about what their companies are doing; and professionally refreshing, to see the dedication of your members to maintain excellence in engineering."

"Again, thank you very much for the professionally rewarding evening on November 5th." AND — from Paul E. Rollins, Cadet, USMA 1987 — to the Members of The Moles, the following — "I would like to take time to express my appreciation for the wonderful dinner and reception given last week. I found it an honor to represent the United States Military Academy at such an event. In the course of the evening, I learned about the construction business in a way unique from the classroom. The opportunity to meet other students and to find out what a career in civil engineering could be like was of great value to me. Thank you again for a truly enjoyable evening."



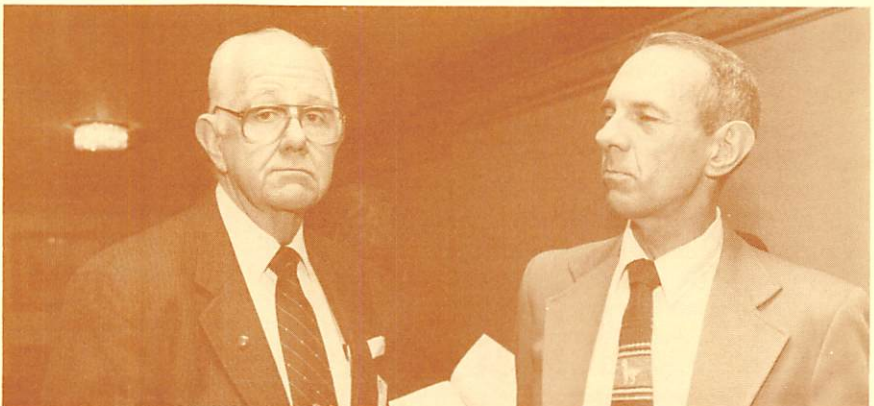
Sitting l. to r. Dr. Ronald J. Alvarez, Hofstra University; Capt. Harold Leeman, U.S. Military Academy West Point, N.Y.; Prof. Christian Meyer, Columbia University — Standing l. to r. Prof. Vito A. Guido, Cooper Union; Prof. John Schuring, New Jersey Institute of Technology; Prof. Thomas F. Zirmie, Rensselaer Polytechnic Institute.



Mole Member, Art Fox, Editor of Engineering News-Record chats with Capt. Harold Leeman and Cadet Paul Rollins from West Point.



Sitting l. to r. Frederick Margron, Hofstra University; Michael A. Sweeney, Cooper Union; Cadet Paul E. Rollins, U.S. Military Academy West Point, N.Y.; David Lucchi, New Jersey Institute of Technology — Standing l. to r. Jeffrey D. Kneuppel (1985) Cooper Union; Michael J. O'Sullivan, Manhattan College; Laurel B. Andrew, Union College; Monte G. Luzadder, Columbia University.



Mole Member, Gene Casey chats with Professor Al Griswold, Faculty advisor at Polytechnic Institute of New York.

Education Committee Activities

Chairman of the Education Committee, EDMUND M. BURKE has announced plans for The Moles annual Students' Day to be held on Friday, April 10.

The field trip will include a visit to the Newport project, a ten billion dollar project located in Jersey City near the Hudson River. Under construction are two 30 story and two 20 story residential towers, a large shopping center, office buildings, a park, garages and related infrastructure. On April 10th construction underway will include superstructure work, pile driving, construction of a double box culvert, pier demolition, overpass bridge construction and various items of the infrastructure.

An additional item in connection with that project will be the alterations on the Pavonia Station ventilation structure. The 250 civil engineering students will also visit construction at Exchange Place, the site of the Port Authority's ventilation structure and station improvements project being built in coordination with private developers' construction.

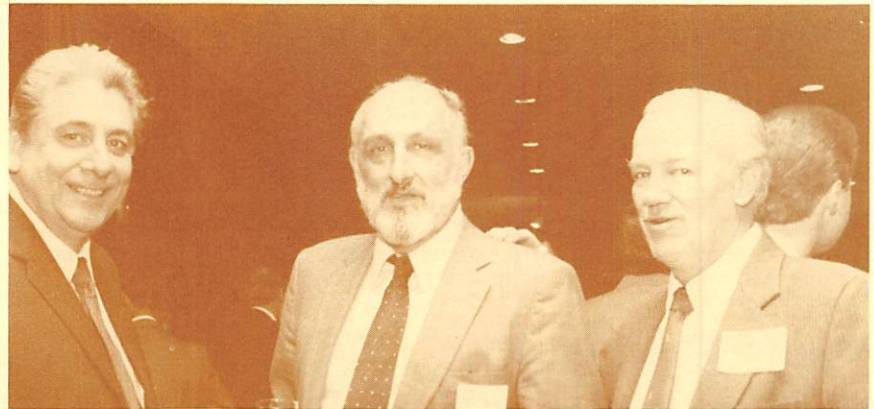
As in prior years, the Education Committee has selected projects which will give the Student Engineers a first-hand look at a variety of construction techniques.

After assembling at the Journal Square Transportation Center in Jersey City, New Jersey, the student engineers will be provided with "hard hats" donated by various Mole Member affiliated firms and served refreshments. They will be briefed on the construction projects by key personnel from the Port Authority of NY and NJ along with members of the contracting firms performing the construction. After visits to the job sites they will return to the JSTC and be provided with "box lunches".

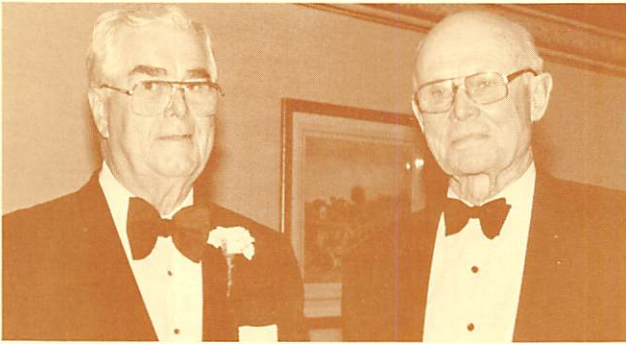
Mole members serving on the Education Committee with Ed are: Rudi J. van Leeuwen, Vice Chairman; J. Marshall Dean, Allan J. Gale, Leo M. Halley, Remy P. Papp, Edward S. Plotkin, George Tamaro, Jr., and Charles A. Worischeck.

November Dinner

A spirit of conviviality reigned during the Cocktail Hour when the Moles' photographer John Ashworth shot photos at random.



Award Dinner — January 28, 1987



JOHN E. KENNY, 1986 Non-Member recipient of The Moles' Award seen with HENRY C. BOSCHEN, 1966 President and 1969 Member Recipient.



DR. RICHARD L. TUCKER, Speaker of the evening chats with ARTHUR J. FOX, JR. (JOHN D. SAUNDERS, 1983 Member Recipient and 1983/84 President in background).



RADM. JOHN PAUL JONES, Commander, Naval Facilities Engineering Command, U.S. Navy enjoys the company of SHERWOOD E. LILES, III, Chairman of The Moles' Award Committee and his dad, SHERWOOD E. LILES, JR., Honorary Member and 1964 Non-Member recipient of The Moles' Award.



G. WILLIAM GILFILLAN, Vice Chairman of The Moles' Award Committee, RADM. JOHN PAUL JONES and HENRY F. LEMIEUX, 1976 President and 1980 Member Recipient. (background, JACK J. BURKE, 1985 Sergeant-at-Arms.)



ROBERT C. KOCH, Treasurer of The Moles chats with DANIEL M. LAZAR, Life Member, 1972 recipient of Member Award and 1977 president of The Moles.



DANIEL B. BARGE, JR., President of The American Society of Civil Engineers congratulates RICHARD D. HARZA, 1987 Non-Member Recipient.



WILLIAM GOODMAN, Mole Member and president of the General Contractors of New York chats with colleague GEORGE A. FOX, 1979 Member Recipient and WALTER SCOTT JR., 1986 Member Recipient.



TOM GESSNER, President of the Beavers and RICHARD E. HALL, Mole Member and President of The Associated General Contractors of America.



RADM. MARTIN W. KEHART, U.S.N. (Ret.) died in November 1986. He was 84.

Admiral Kehart, a native of Rathmel, Pa., was a graduate in Engineering from the University of Illinois. For a number of years he was employed by the U.S. Army C.O.E. and the federal Works Progress Administration and from 1934 until 1939 when he joined the Navy he had been affiliated with Lakeside Bridge & Steel Corp., of Milwaukee, Wisconsin building bridges throughout the Midwest. He joined the Navy as a Lieutenant in the CEC and was elevated to Rear Admiral in 1956. He was resident officer in charge of a \$55 million construction project at the Pacific Naval Air Base at Pearl Harbor at the time of the Japanese attack in 1941. He also had charge of a \$40 million construction program in the Aleutians in Alaska. In 1961 he retired from the Navy as director of the Atlantic Division of the Bureau of Yards and Docks, Washington, now known as the Naval Facilities Engineering Command. Some time later he joined Singstad, Kehart, November and Hurka as a partner. The international consulting engineering firm specialized in tunnel and bridge design. He retired in 1973 and moved to El Cajon, California. A member of The Moles since 1965, he was elected to emeritus status after his retirement.

FRANK P. DiMENNA died suddenly on March 27, 1987. He was a Life Member of The Moles and served as a Trustee of The Moles during the period from 1953/55. He was a former president of The General Contractors Association of New York. At the time of his death he was President of Nicholas DiMenna & Sons, Inc. The staff regrets sincerely that no photo or other information was available at press time.

STANLEY M. DORE died on January 22, 1987 in Florida. He was 88.

He served NYC's Board of Water Supply for many years, 4 years as Deputy Chief Engineer, then Chief Engineer, the position he held at his retirement.

A graduate of Brown University, he received his civil engineering degree in 1920.

His fifty year career was spent primarily supervising construction and consulting on large rock tunnels, earth dams, large concrete and steel aqueducts, hydraulic control works, bridges, highways and sewage treatment projects.

During his active years as a Mole member, Stan Dore served as a Trustee and Chairman of the Education Committee. He became a member of The Moles in 1960 and was elected to emeritus status in 1972. He served on the U.S. Committee on Large Dams; and was a member of the American Society of Civil Engineers.



● Honorary Member, JOHN A. VOLPE, principle speaker at The Moles' Award Dinner in January 1968 while Governor of Massachusetts has had a biography published. The title of the book is "John Volpe: The Life of an Immigrant's Son". It was written by Kathleen Kilgore and is the inspiring saga of a man who lived the American Dream. It's a story of success despite the odds.

Many will recognize John Volpe's name as former Secretary of Transportation and then Ambassador to Italy but few know the dramatic story of his life. Kilgore chronicles in dramatic detail the life of an ambitious and highly principled man in "John Volpe: The Life of an Immigrant's Son". During the depression, John Volpe worked in construction by day and attended Wentworth Institute at night, later becoming one of only two in his class getting jobs in the building industry after graduation. The company he worked for went bankrupt after three years, but John had gained the experience and inspiration he needed to start his own company, which grew into a multinational corporation.

The author takes a behind-the-scenes look in detailing the little-known facts relating to John Volpe's success and hard work as well as his mistakes and disappointments.

This is a story about a unique individual, tireless in achieving his personal and professional goals, and in helping others achieve theirs. Over the years he has advised presidents, conferred with popes, and helped raise millions of dollars for church, community, and disaster-relief projects. "John Volpe: The Life of an Immigrant's Son" is available at your local bookstore or by mail order from Yankee Books, Depot Square, Peterborough, New Hampshire 03458. Retail price is \$14.95 + \$1.50 for postage and handling.

● The Deep Foundations Institute is holding their 2nd Annual Symposium in Luxembourg, May 4-7. HAL HUNT will be giving a talk on May 6 during the conference. Other Mole members who will be in Europe at that time are: G. ROBERT COMPTON, JACK DOUGHERTY and WILLIAM F. LOFTUS.

TWENTY-FIVE YEARS AGO--

The Moles' Education Committee held their first Students' Day Field Trip on Friday, April 13, 1962. (Weren't they the brave ones?) Among the various construction sites around New York was the New York World's Fair site and Shea Stadium. Since then, this "showcase" has been held annually on a Friday in April.

1962 spring issue of *Holing Through* also reports — Gene Rau elected as President of The Moles. Gene is receiving Life Membership (40 Years) in The Moles at the Annual Business Meeting & Dinner to be held on May 6.

Reported in that same issue of *Holing Through*—Eugene F. Gibbons became Nassau County Commissioner of Public Works in January '62 after having served as Chief Engineer of the New York State Department of Public Works. (Gene Gibbons will also receive his Life Membership on May 6).

THANK YOU FOR THE HARD HATS

The Moles' Education Committee want to thank all those Mole member affiliated firms who donated "hard hats" to the Students' Day this year. This is a very necessary part of the day.

COMPTON NAMED EXECUTIVE DIRECTOR

G. ROBERT COMPTON, JR., a founding Trustee and past-President of the Deep Foundations Institute, has been named its Executive Director. Bob, until the recent sale of the business, had been President and Chairman of the Board of MKT Geotechnical Systems. He was a member of the Ad Hoc Steering Committee formed in 1974 to examine the feasibility of an "Institute." In 1979 he became the third President of DFI. He served on the Board of Trustees for three terms, stepping down in 1984. The Institute headquarters offices are now located at Sparta, New Jersey.

HAVE YOU MOVED?

CHANGED YOUR AFFILIATION?

**PLEASE DON'T
GET LOST IN
THE SHUFFLE
NOTIFY THE
MOLES' OFFICE
STAFF.**

THE MOLES

CALENDAR OF EVENTS

ANNUAL CLAMBAKE

TUESDAY, AUGUST 4, 1987

**TRAVERS ISLAND
PELHAM, NEW YORK**

ANNUAL FALL MEMBERS' DINNER

WEDNESDAY, NOV. 4, 1987

**THE NEW YORK HILTON
NEW YORK CITY**

ANNUAL AWARD DINNER

WEDNESDAY, JAN. 27, 1988

**THE NEW YORK HILTON
NEW YORK CITY**