

NEWS BULLETIN

AN ASSOCIATION OF MEN



OF THE MOLES

ENGAGED IN HEAVY CONSTRUCTION

HOLING

THROUGH

ROOM 50 - FLOOR I-M - THE BILTMORE - NEW YORK, N. Y. 10017

APRIL, 1973

REUBEN SAMUELS elected PRESIDENT

THE MOLES have elected Reuben Samuels, Vice President and Chief Engineer of Thomas Crimmins Contracting Company to head the Association for the ensuing year.

In their selection of Mr. Samuels they have chosen a young member who has devoted a tremendous amount of time and effort to the support of the Organization. He has worked untiring on committees of every nature and served The Moles' best interests always.

The Moles have honored other distinguished members from Crimmins Contracting over the years. The late Thomas Crimmins received The Moles' Award for outstanding achievement in construction in 1947 and A. Holmes Crimmins was its recipient in 1966. Holmes served as President in 1955 and Bob Crimmins held the Office in 1967.

Mr. Samuels will receive the symbol of Office on May 9th at the annual business meeting and dinner when President Peter Corradi, Chairman of the Board of Raymond International hands the gavel to him.



Other Officers who will be installed that same evening are: First Vice President — Charles A. Richardson, Vice President and General Manager Perini Corporation; Second Vice President — Francis A. Vitolo, President, Corbetta Construction Company Inc.; Treasurer — Salvatore V. DeSimone, Partner, Mueser, Rutledge, Wentworth & Johnston; Secretary — Norman Nadel, President, MacLean-Grove & Company Inc.; and Sergeant-at-Arms — Charles L. Guild, President, American Drilling & Boring Co., Inc.

Trustees elected to serve three year terms are: Robert S. Gates, President, Gates Construction Co.; Sidney A. Houck, Jr., Vice President and Treasurer, Grove Shepherd Wilson & Kruge Inc.; Gerard A. Neumann, President and Treasurer, Spearin, Preston, Burrows, Inc.; Frank P. Robertson, Regional Vice President, Morrison-Knudsen Co., Inc.; Herbert Wasserman, Vice President, Slattery Associates, Inc.

Rube Samuels was born in Suffern, New York in 1926. After a year at MIT he went to Dartmouth College where he graduated with a bachelors degree in civil engineering in 1946. Commissioned an Ensign in the United States Navy Civil Engineering Corps he served a one-year hitch at Port Hueneme, California, under Capt. Jack McGaraghan (also a Mole). At Harvard University he received an MSCE in Soil Mechanics from the Graduate School of Engineering whereupon he was employed by Mueser, Rutledge, Wentworth & Johnston (then known as Moran, Proctor, Freeman & Mueser).

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REUBEN SAMUELS

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Three years later Rube returned to Harvard University as a doctoral candidate and teaching assistant to Professors Arthur Casagrande and the late, Karl Terzaghi.

In 1954 he returned to construction. Hired by Crimmins Contracting Company as engineer and estimator he was elevated to Treasurer and made a Director of the firm in 1956. He became their Chief Engineer in 1957 and a Vice President in 1963.

Elected a member of The Moles in 1963 he became actively involved in the work of the Education Committee during the following years. In 1968 he was elected Secretary and served for three years until he was elected second Vice President; then first Vice President. In addition these past ten years for The Moles he has served on special committees; the Award Committee and has been a member of the Executive Committee for the past five years.

Mr. Samuels is registered as a professional engineer in New York, New Jersey, Connecticut, Pennsylvania, District of Columbia, Maryland and Massachusetts. He is a Fellow, American Society of Civil Engineers and a member of the American Society of Testing Materials; the American Concrete Institute; Boston Society of Civil Engineers; Sigma XI and Harvard Club of New York.

He serves on the Executive Committee of the Dartmouth and Harvard Engineering Societies and is a member of Soil Mechanics and Foundation Group Building Code Committee, New York; National Committee on Deep Foundations, A.S.C.E.; Panel of Arbitors for the American Arbitration Association; and is a frequent speaker at A.S.C.E. Soil Mechanics Foundation Meetings.

Active in civic affairs, Rube is a past President of the Paramus Board of Education and past President of Bergen County Federated School Boards.

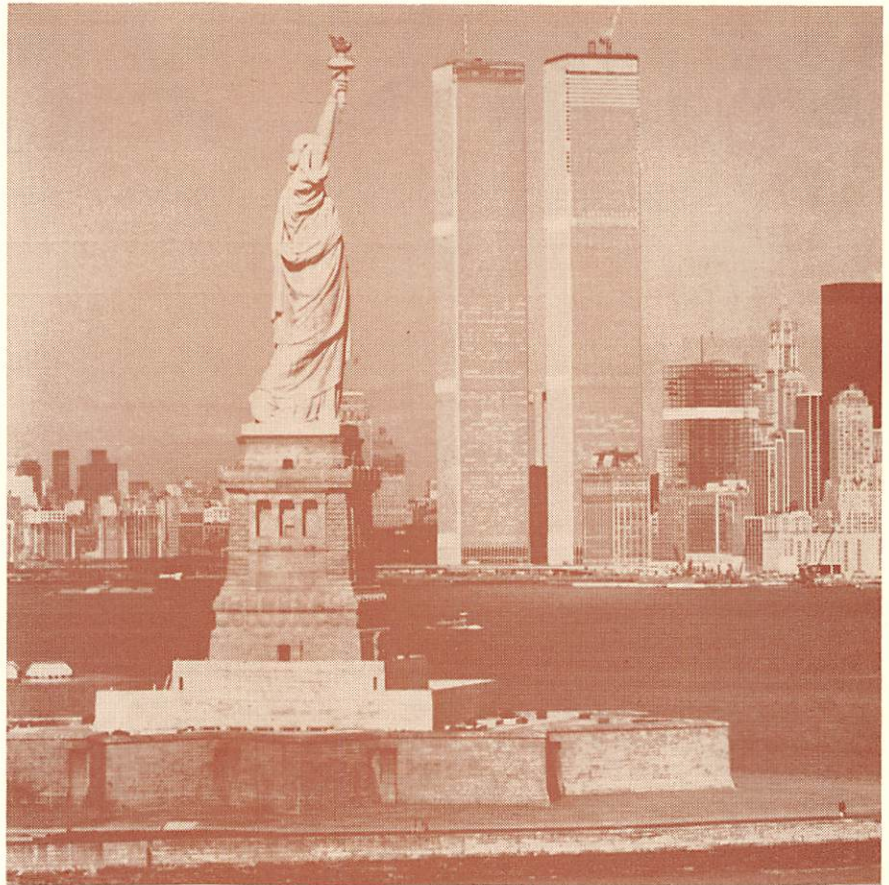
Rube and his wife, Diane have two children, a daughter, Julie who is in her freshman year at Brown University and a son, Adam who is a sophomore at Paramus High School.

They are residents of Paramus, New Jersey.

CLAMBAKE MOVES TO LONG ISLAND

The Moles will hold their annual Clambake on Thursday, August 9th at Colonic Hill, Hauppauge, Long Island more details next issue.

WORLD TRADE CENTER DEDICATED



The World Trade Center stands as a new landmark in the Port of New York-New Jersey. The Trade Center, the bi-state Port's headquarters for America's export-import business, is the clearing house for the handling, development and expansion of international commerce.

Wednesday, April 4th, The World Trade Center in the Port of New York-New Jersey was officially dedicated.

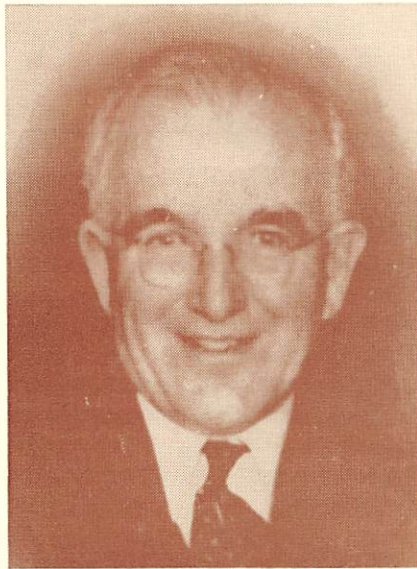
Among the many notables attending the ceremonies were Governor Cahill and Governor Rockefeller.

Governor Rockefeller said that The World Trade Center is "not only a magnificent structure functionally, it is the visually exciting extension of the most breathtaking skyline on earth." He also pointed out that "whatever we do to increase the flow of goods through the Port of New York increases the level of jobs in this State and that is exactly what the World Trade Center is doing."

Governor Cahill noted that "The Trade Center means a great deal to New Jersey" because of that State's prominent role in the manufacture of products for export.

The Center located on a 16 acre site along the Hudson River features two 110 story, 1,350 foot high buildings. It has been in operation since December 1970.

As many as 3500 construction workers were required at the peak of construction during the seven years since the work began in 1966. 1500 workers are now employed on the project which is scheduled for completion in 1975.



STEPHEN A. HEALY died on December 14, 1972 in Palm Desert, California at the age of 84. He had been incapacitated since 1965 when he suffered a cardiac infraction.

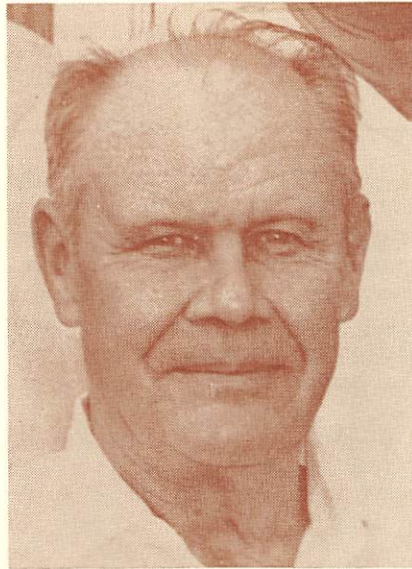
A nationally known heavy construction contractor, Mr. Healy started as a tunnel laborer in his youth. In 1923 at the age of thirty-four he formed S. A. Healy Company and began contracting small jobs in the Detroit area. His first big contract came in 1929 when he built a \$2,000,000 water tunnel for Ford's River Rouge Plant.

During the thirties, the Company built two large dams on the Mississippi River, a sewage treatment plant and many sewer tunnels in the Chicago and Detroit areas. The State, Dearborn and Congress Street subway sections in downtown Chicago, the Third Locks Project on the Panama Canal and the Merriman and Neversink Dams in New York State were also constructed by S. A. Healy Company. In 1942 they built the Illinois Ordnance Plant, an immense bomb loading and storage complex near Carbondale, Illinois, completing this vital defense project in a year's time.

In 1957 Mr. Healy helped organize Underground Contractors Association of Illinois and served until 1959 as its first President. He was long recognized as one of the country's most knowledgeable men in tunnel construction.

His son Thomas (also a Mole member) has headed the Company since his father became ill.

Since its inception fifty years ago, S. A. Healy Company has built an estimated 250 miles of sewer tunnels, subways, aqueducts and numerous other projects in sixteen states. Presently the



JOHN W. KINNEY succumbed to a heart attack on March 9, 1973. He was 70.

Mr. Kinney was a graduate of Stevens Institute of Technology where he earned a degree in mechanical engineering in 1925.

An accomplished engineer in all phases of heavy construction, he was respected and liked by all.

Associated with prominent engineering firms, Parsons, Brinckerhoff, Quade & Douglas and prior to that Amman & Whitney, he has been in charge of such structures as the Verrazano Narrows Bridge; Mackinac Bridge in Michigan; and the Newport, Rhode Island Suspension Bridge over the East Passage of Narragansett Bay. Most recently he held the position of Resident Engineer on the 63rd Street subway railroad tunnel under the East River in New York City (the first four track, two-level tunnel that is unique in that it combines free air rock tunneling with sunken tube underwater tunneling techniques).

He earned the Thomas Fitch Rowland Prize for his paper, "Experience with High Strength Bolts in the Mackinac Bridge" and was co-author of "Verrazano Narrows Bridge: Fabrication and Construction".

Mr. Kinney is survived by his widow, Mabel; and two children, Mercedes Stolark and John.

HEALY (Continued)

Company holds contracts for subways in Washington, D.C., aqueducts in Utah, and deep water tunnels in the Chicago area.

He was the father of four sons, Michael, Thomas, Donald and the late James.

Moles Elect 30 New Members

At the Executive Committee Meeting held on April 3, 1973, thirty new members were elected to membership.

In alphabetical order they are: John A. Allison, Morrison-Knudsen Co., Inc.; Eugene M. Armstrong, The H. K. Ferguson Co.; Robert G. Bartlett, L. B. Smith, Inc.; Albert J. Blaha, Brown & Root, Inc.; John A. Caddell, Blount Brothers Corp.; Mario Capogrosso, Thomas Crimmins Contracting Co.; William F. Collins, Thomas Crimmins Contracting Co.; John C. Custer, Mason & Hanger-Silas Mason Co., Inc.; Kirk H. Fox, Gates & Fox Co., Inc.; Eugene S. Goldman, Horn Construction Co., Inc.; William Goodman, Grow Tunneling Corp.; Richard W. Gunn, Seelye Stevenson Value & Knecht; Howard S. Heydon, New Jersey Turnpike Authority; Frank P. Hurka, Singstad, Kehart, November & Hurka; Rodney E. Johnson, Dravo Corp.; Eugene D. Jones, Frederic R. Harris, Inc.; Raymond A. Jones, Jr., J. A. Jones Construction Co.; John J. Maloney, Jr., E. I. duPont de Nemours; Albert A. Mathews, A. A. Mathews, Inc.; Terence G. McCusker, Perini Corp.; Charles D. Morrissey, URS/Madigan-Praeger, Inc.; David B. Perini, Perini Corp.; Francis C. Pierce, Charles A. Maguire & Associates, Inc.; J. Henry Schwartz, Cayuga Construction Corp.; Roger B. Stevenson, Parsons, Brinckerhoff, Quade & Douglas; Gerard P. Tully, Tully & DiNapoli, Inc.; Joseph C. Ungerer, Morrison-Knudsen Co., Inc.; S. Peter Volpe, The Volpe Construction Co., Inc.; Robert J. Winters, The Port of New York Authority; John S. Withers, Grove International Inc.

M.I.T. Lectureship for MATHIS

A memorial lectureship fund honoring the late, SAM J. MATHIS of Standard Oil Co. of New Jersey has been started at the Massachusetts Institute of Technology.

Under terms of the lectureship, started with a gift by Mr. Mathis' widow, Mrs. Kathryn Mathis of Pinehurst, N. C., income from the Mathis Fund will be used to provide for a periodic lecturer in the Department of Civil Engineering at M.I.T.



MEMBERS EMERITUS



WILLIAMS D. BAILEY was a partner and manager of the highway division for Seelye Stevenson Value & Knecht when he became a Mole. During April 1968 he announced the formation of Bailey-Grout Associates, to do consulting work with an office in Pleasantville, New York. When Mr. Bailey retired early this year he was elected a Member Emeritus.

JAMES J. BRUSCHI retired after forty-four years in the engineering profession. As Engineer of Construction for Madigan-Hyland for many of those years he was well known to most contractors doing bridge and highway work. Before his recent retirement he was affiliated with Parsons, Brinckerhoff, Quade & Douglas.

R. ADM. EDWARD J. COSTELLO, JR., USNR (Ret.) had a distinguished career as an engineering officer in the Navy's construction program in the Pacific during World War II. His activities after retiring from the navy primarily concerned the development, manufacture and sale of heavy marine and construction equipment.

C. GEORGE DANDROW was a Vice President with Johns-Manville before retiring in 1964. Upon his retirement from that firm he moved to Chatham, Massachusetts and served for several years as a consultant on industrial marketing. He has contributed greatly to the construction industry during his half century career through work with various associations. He is a life member and past President of the New York Building Congress and a member of the American Society of Engineers. His work with the Boy Scouts of Greater New York and their Construction Industry Lunch-O-Ree, for many years, earned him the Silver Beaver Award, the highest award for service to youth bestowed by the Greater New York Council, Boy Scouts of America. In November 1970 Mr. Dandrow received his 25 Year Member Certificate from The Moles.

HARRY GARNEY has been a MOLE since 1938 and has been employed over the years by Merritt-Chapman & Scott; Arthur A. Johnson Co.; Mason & Hanger-Silas Mason Company; and others.

H. GEORGE DECANCO has devoted over a half century to an engineering career. Over thirty of those years were spent with The Port of New York Authority. In 1959 he joined Ammann & Whitney and served as Resident Engineer on the construction of the Verrazano-Narrows Bridge.

HUGH F. DOHERTY retired from his day to day activities with the Perini Corporation after over forty years of service to that firm. He served as Secretary of Perini from 1942 through 1960 when he was made a Vice President and Director of Purchasing.

STANLEY M. DORE retired as Chief Engineer, New York City Board of Water Supply in 1967 and has been doing private consulting work since that time. For The Moles, Mr. Dore served as Trustee during the period from May 1, 1966 through April 30, 1969 and also served on the Education Committee as Vice Chairman and then Chairman. He resides at Barnstable, Massachusetts.

CAPT. H. J. FITZPATRICK, CEC USN (Ret.) has spent over forty years in heavy construction. During the period from 1955 through 1958 he was Deputy Director and then Director of the Atlantic Division of the Bureau of Yards and Docks responsible for the design and construction of all United States Naval facilities in the Atlantic area. For many years after retirement from the Navy, Capt. Fitzpatrick served as consultant for Chas. A. Maguire & Associates. He is a past President of the New York City Post, Society of American Military Engineers.

ARTHUR C. FORD eminent engineer devoted over forty years service to the people of New York City. At the time he became a Mole he was President of the Board of Water Supply. Prior to that he had served as Commissioner of the Department of Water Supply, Gas & Electricity. It was at that time, he was honored by his alma mater, Montana State College with a Doctorate in Engineering. Mr. Ford also served as Consulting Engineer for the Borough of Manhattan during the period from 1950 through 1954.

RODERICK M. HAND has been active in heavy construction for nearly a half century. A member since 1945 he was employed by Merritt Chapman & Scott on construction of bridges, piers, and tunnels in the United States and South America. For two years he worked on the construction of the U. S. bases in Spain and in 1958 he became affiliated with the B. F. Diamond Construction Company in charge of major construction projects.

HAROLD N. HOCKENSMITH until his recent retirement was an executive with Brown & Root, Inc., of Houston, Texas. Over the years he supervised many large construction operations overseas. During the period from 1953 through 1960 he was in charge of the \$360,000,000. Air Base construction in Spain performed by a joint venture of Brown & Root, Raymond International and Walsh Construction Company for the Bureau of Yards and Docks.

ROBERT J. KOCH former President of The Arundel Corporation of Baltimore, Maryland, started as a young engineer working on their various heavy construction projects. He rose through responsible positions for the company and in 1963 was made President. Recently because of restricted activity due to medical advice he resigned.

VLADIMIR N. NICHOLS received his 25 Year Certificate from The Moles this past November. Active throughout his career in waterfront, tunnel and highway work, Mr. Nichols has the Meritorious Civilian Service Award from the United States Navy for his work at Guantanamo Bay, Cuba. In May '72 he retired as Ass't. Administrator for Public Transportation Services, a post he had held the past several years.

RALPH W. OLMSTEAD resigned as President of H. K. Ferguson Company during 1970. Prior to his position with that company he had worked with Morrison-Knudsen Co., Inc., the parent company on various heavy construction projects. Mr. Olmstead lives presently at Jackson Springs, North Carolina.

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AWARD DINNER

It was another first at The Moles' 33rd Annual Award Dinner held on January 31st when President Peter Corradi presented an Honorary Membership Certificate to Hunter P. Wharton, General President of the International Union of Operating Engineers.

In expressing appreciation to Mr. Wharton after his address, President Corradi said, "We have a practice of enrolling our principal speaker of the evening at these dinners as Honorary Members of The Moles. The list of Honorary Members contains many distinguished names, the heads of large construction organizations, experts in construction, some public figures, heads of public agencies, and even the President of the United States. It gives me great pleasure to present to you a certificate representing the first Honorary Membership awarded to a member of organized labor."

EXCERPTS FROM THE PROGRAM —

HUNTER P. WHARTON — "When I received the invitation to be with you on this occasion I was a bit surprised that you were inviting a labor leader to appear before this distinguished group of contractors."

"I came to the conclusion that the reason for being asked to be with you tonight was due to the remarks that I had made to the delegates, some 1,000 of them, attending our 29th convention last April. These remarks seem to have generated considerable interest both within and outside the construction industry. While the world seems blithely unaware of it, we always speak frankly with our membership. My remarks represented no change in our custom or procedure. We tell our membership the facts as we see them and we recommend solutions and we tell them what we think is the cause of the problems they encounter and that they help to create. We feel that a well informed membership not only makes for better cooperation between the members and their officers but also creates a stronger organization and we feel makes a great contribution to our total American Society, and after all, I believe that's what we're all aiming for."

"I advised the delegates that it was time for stocktaking. They were informed that we were the creators of many of the problems that we were encountering and rather than complaining about them we should be doing something to correct them."

"I quote now from my April talk *Our progress has not always been because we were smarter than our employers or their representatives, or because of our out-*



PETER CORRADI welcomes HUNTER P. WHARTON as an Honorary Member of The Moles.

standing ability in handling our affairs. I know many of you leaders here today are extremely proud of your achievements over the last few years. Large increases were gained for your respective memberships. A fine job was done, but I wonder what those increases will do to our future."

"Then I asked I wonder how much they will retard our progress? How long could an employer take a prolonged work stoppage? How long would he continue operations if subjected to interrupted work progress on his project — a job in which he may have the greatest part of his capital invested?"

"Then I answered with my opinions The employer in many instances had but one course to follow. That was to submit to your demands. The results of our actions are not always the great victory we claim. Labor must rededicate itself to pride of workmanship, a full day's work for a fair day's pay. Our leaders must show the way. We cannot continue to create jobs by having unproductive labor on the job. Our leaders can no longer demand and have standby labor on the job so as to create a job for those who have no desire to work."

Mr. Wharton went on, "While I see these problems on the part of labor, I also see many questionable practices on the part of the contractors. I find instances of total disregard for the negotiated agreements, instances of disregard for the jurisdictional grants of the several trades — disregard for sound and

proven safety practices and a great deal of inconsistency. Employers have been guilty of bad management practices such as overmanning, ordering material and equipment in a manner which has resulted in crews standing around with nothing to do, and permitting early quits, late starts, extended coffee breaks and long lunch periods. There are many instances of disregard for proper safety precautions which have resulted to a degree in having laws enacted to protect the worker."

"Labor recognizes the responsibility of management to provide a safe place for the worker to work. However, labor does not claim to be free of responsibility. Labor asks only that employers let them help the employer develop its safety program."

"And I say the Owner is not free from some of the responsibility. In many instances the Owners will direct unnecessary overtime be worked. They will direct that the forces be increased beyond reason, they direct that dispute settlements be made that will create a bad precedent for the future."

"As union members and leaders, we must re-examine our bargaining procedure. We have to consider area bargaining, multi-craft negotiations which will avoid bargaining competition — whip-sawing, which has resulted in unwarranted wage and fringe benefit increases. We must consider complete elimination

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AWARD DINNER

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of jurisdictional disputes. There must be some hard decisions made regarding the elimination of bad work practices. Work rules which place contractors in a non competitive position must be seriously examined and corrected where they are detrimental. Perhaps one of the major problems to which we must find answers are unwarranted work stoppages. We believe this answer can be arrived at mutually. — contractors and unions together. — the solution must be one that will resolve the grievances fairly and in the shortest possible time.”

“The participating Contractor Associations and the AFL-CIO Building and Construction Trades Department have recently arrived at a new jurisdictional settlement plan which we feel will go a long way towards the elimination of jurisdictional disputes and work stoppages — a system that will resolve the differences fairly and without delay. We hope that in the not too distant future, the AGC will participate in this group.”

“One of the big problems with contractors’ associations is that they are always in transition. The door revolves about once a year, with a new president elected and a new bargaining committee selected, most of whom have little or no knowledge of collective bargaining.”

“A second area of concern is that there are too many associations vying with each other for recognition as the leader and pace setter. — I believe recent negotiations here in New York City and other large cities bear this out. — there is need for either closer and better communication between associations, or fewer associations. — I have freely admitted our need for some union mergers — I suggest your investigation of some association mergers.”

“My experience further suggests that I should briefly bring to your attention training of your supervisory forces. So much is said today about productivity. There are many supervisory forces who are unable to determine if a tradesman is producing at a fair rate, not to mention an increase in production.”

“I believe in working out our problems together — without third parties, public or private.”

“The first thing must be done is to restore good relations between the contractors and labor for the best interest of the construction industry. Restore the philosophy of a fair day’s work for a fair day’s pay and mutual trust and consideration, for the problems of each.”

“I feel there is room for greater cooperation in the field of minority employment, but this problem cannot be

resolved by giving minorities jobs at the expense of an existing highly skilled work force. We must work together to see that the Government understands this simple fact and provides greater opportunities for employment for those already in the industry, as well as for those who want to enter the industry. We can no longer accuse the other of failure to accept their responsibilities in this area or any other in which we have a joint interest.”

“We have to work together to accept our responsibility. Cooperation is the key to success in my judgment. I have seen little accomplished by mediation, arbitration or conciliation but I have seen miracles worked through cooperation.”

HOLMES CRIMMINS in presenting the Member Award to Jack Murphy said, “Jack Murphy is a man who *does need* an introduction because he’s not one to talk much on his own. The booklet you have on your table gives his titles and the jobs the Walsh Company has done. It’s a list of vast and difficult projects.”

“As a little local contractor I first ran across the Walsh Company right after World War II. They had been in the area on and off whenever the city or the state had sufficiently challenging work, but it wasn’t until after they had done the Queens Midtown Tunnel and the Brooklyn Drydock that they decided that New York was probably here to stay and moved their offices.”

“Our contact was through what they disparagingly call their ‘store front di-

vision’. This really impressed us since some of the store fronts that they were doing were the U.N. Building, the New York Coliseum, and parts of the Lincoln Center. So much for size.”

“Jack came into the family company as a younger engineer with no connections and worked his way up to President. His start came when he and Jack MacDonald worked together for Pat McGovern, an old tunnel contractor. MacDonald was a Mole’s Mole. In fact, he was the first member to receive an award, and that really put us on the map. He knew a good man when he saw one and when McGovern died, MacDonald brought Jack back with him to Walsh. There together they grew.”

“The Walsh Company had plenty of active men. I can think of three of them who around this time were playing semi-pro football on weekends. They were Batch Batchelder, Bob Hiener and Jack Murphy. Bob told me that he got \$10 a game, but Jack used to get \$25 because he was a back. When Walsh men came around to talk about Jack Murphy there was always a uniform warmth. He gave them responsibility and with it an intense personal support. They remember most of his conversations including ‘is there anything I can do for you’. The people that dealt with the firm have much the same feeling. As one of our members put it, you never have to ask him to confirm anything in writing that he has told you privately. His approach



JOHN J. MURPHY receives the Member Award from A. HOLMES CRIMMINS, a former recipient.



HENRY F. LEMIEUX presents the Non Member Award to DR. RALPH B. PECK.

with labor was the same. So when Tom Walsh, Jr., anticipating the current huge tunneling and heavy construction program in New York and wanting to establish a labor relations climate beneficial to owners, contractors and labor, he put Jack on the General Contractors Association 'tunnel committee'. Ever since then, he's been a leading member of it."

"Prior to this time, the sand hogs had been a dissatisfied and unruly lot. Strikes and shutdowns were a way of life. The committee studied the past errors of all involved. They humanely sought to provide the working man with benefits that would transcend past poor relationships and create a new enlightened era. For the first time, sand hogs received a pension plan pushed through by Jack against their leaders wishes who were really looking for just more money in the envelope and believe me, this takes courage. Most contractors have been all too happy just to come out of it with their whole skin when they negotiate."

"Since that agreement was hammered out, Jack and the committee have been available on a daily basis to listen, to negotiate. No strikes. No lost time. And the sand hogs, who have made Jack one of their first pension plan trustees, can now look forward to a dignified old age. These are the things that you can take with you and because Jack has lived as Moles would like to live, we are now proud to present him with our Award."

"The Moles Award for outstanding achievement in construction presented this 31st day of January, 1973, to John

J. Murphy, a member of The Moles, who excels in all phases of heavy construction, an executive who is an effective organizer, manager, and administrator respected by all he is acknowledged to be one of that rare breed of master constructors."

JACK MURPHY in accepting his Award said, "Well, you know, Holmes always says nice things, and he said a lot of nice things here, but Mr. President, honored guests, fellow Moles and your guests, I appreciate very much receiving The Moles' Member Award tonight. I want to thank all the people who made it possible. This, of course, dates way back to the days of my first great boss, Jack MacDonald, with whom I worked for fifteen years. Jack MacDonald not only helped me construction-wise, but he was responsible for my many good friends in the construction business yesterday and today. He had great faith in friends and really believed that good friends made very good partners."

"Along with Jack MacDonald, there was our other great boss, Tom Walsh, Sr. Tom was never a detail man, but he made it very clear that he wanted to know how much we would expect to make when the job was complete. And if Tom was satisfied, you had the greatest friend in the world. And over the years — the Walsh Company's batting average was not bad."

"Bill Durkin, Sr., former President, Chairman of the Walsh Company, made me Vice President and General Manager.

All I can say about Bill, I liked him like a father and I'm sure he felt the same way toward me."

"Then came Tom Walsh, Jr. who was responsible for my becoming President of Walsh Construction Company. He was the most outstanding individual of all of them. Tom was a great man and a real friend. Other great construction men in the Walsh Company who helped me along the way were Henry Gill, Doug Riddle, Mr. Hatch, Les Huntington, Bob Kerr, Mac MacLeod, Dave Aronberg, Fred Smith, Jack Walsh, Bob Hiener, Moyle Ernst, Nort Wilde, and all of our present young executives and their assistants, who are doing such a good job today to keep the Walsh Company running smoothly. Great salesmen like Eddie Mahoney, Ralph Johnson, Joe Kelleher, Fred Doolittle, Frank Zimmator, Clancy O'Dell, Ted Rose, Harold O'Callaghan, and many other great salesmen that played such an important part in our early construction days. Along with my good wife Lauretta and my son, Tom these men are the ones who made this night possible for me. I owe them very much and in accepting this Award tonight I feel that they all have a share in the honor."

"To sum it all up, I think I had the great fortune of growing up and working with the finest group of people in this great industry. I witnessed its development to an industry where men worked harder, accepted more challenges, undertook more risks, made less profit and then turned right around and cut the hell out of the next bid all over again."

"In closing, I am very proud and happy to be counted among the great men in our very fine industry who have been honored in the past for this Award. I am also very proud and happy tonight that Dr. Peck and myself are the first to receive The Moles' Award during peace time in over ten years. I sincerely hope that this will be a lasting peace for many years to come because it will make a better world for all of us to live in. I thank you all very much."

HENRY LE MIEUX in presenting the Non Member Award to Ralph Peck, said, "There's no question that Dr. Peck has reached the pinnacle in his chosen profession so I will not waste any of my allotted five minutes on what you already know, but for those of you who do not know him personally, I want to bring out those characteristics that merit the adjective, 'Outstanding'. I am one, among many, who know Ralph Peck and admire him greatly, doubtless without him being aware of it because among his many fine

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AWARD DINNER

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qualities is a becoming modesty and humility. Let me tell you his definition of a foundation consultant. A man whose business it is to make it possible for his clients to go wrong with absolute certainty."

"Another outstanding construction man among us who we have previously honored, a man who is himself one of the leading experts in the behavior of soil told me a story to illustrate this. On a recent job of his, where he considered the soil conditions critical, he asked Dr. Peck to review his proposed method and calculations. Ralph did this and said it was okay. Another similar job came up for bidding shortly thereafter and again he referred to Dr. Peck and was counselled. Let's wait and see if the 'first one works'. That story tells you more about Ralph Peck than anything you will hear tonight."

"His engineering judgment, his firm belief in actual field measurements and a commitment to the design as you go concept, resulted in the so-called Peck's rule for the design of braced excavations. The improved design criteria developed by him earned him the Norman Medal of the American Society of Civil Engineers way back in 1944, and I am sure that everyone of us in this room who has ever put sheeting in the ground at some time or another has referred to the famous earth-pressure diagrams developed by Dr. Peck."

"He has combined academic excellence, professional expertise, and personal integrity to a degree that is a source of admiration to his colleagues and clients. Ralph is a scientist, a professional engineer, a consultant, an author and a teacher. He is and has been for years in the forefront of the science of soil and rock mechanics. As a scientist he has studied how things work, synthesized this knowledge to make it useful, made it available to us through consultation; written books about it that are classics and taught it to his students to make it more available."

"Ralph was born in Winnipeg, Canada, in 1912 and fortunately, shortly thereafter, we benefitted from the brain drain as his family moved to Denver. Ralph's academic credits include degrees from Rensselaer where he earned his doctorate, advanced study at Harvard University under Karl Terzaghi, who you

will recall received The Moles' Award eleven years ago, and a distinguished career with the University of Illinois spanning thirty years. He started his engineering career as a structural engineer and from there turned to the new developing field of soil mechanics."

"One of his first major accomplishments was in the study of the behavior of the Chicago clay during the construction of the subway system. So he is a 'true Mole'. Many people judge a man by the more tangible apparent results of his work, particularly in our field. There's no lack of examples of Ralph's accomplishments in this area. I will mention a very few."

"He played a pivotal consultant role on the engineering and construction of tunnels and open cuts for the Bay Area Rapid Transit System in San Francisco. BART is having its problems these days, but it is significant that their problems are not those due to soil or rock. For the Portage Mountain Dam project in British Columbia, Ralph was consulted on everything from hydraulic studies to excavating for fill to figuring out just how high the dam should be. He is working on things that are yet to be built. For example, he is presently studying the geotechnical problems posed by the Trans-Alaska Pipeline construction."

"Ralph is currently President of the International Society for Soil Mechanics and Foundation Engineering. He is one of the founders of this society which today numbers soil engineers from all over the world including behind the Iron and Bamboo curtains and this association precedes by many years a recent ping-pong match."

"These are the qualities and accomplishments for which we honor him tonight, qualities which add luster to the roster of distinguished recipients of The Moles' Award. Tonight he will receive the 33rd Non Member Award granted by this Association."

"The Moles' Award for outstanding achievement in construction presented this 31st day of January, 1973, to Ralph B. Peck, an able and distinguished engineer, educator, and consultant in recognition of his advice concerning the behavior of soil and rock for the design and construction of major engineering projects to accomplish the maximum safety, economy, and endurance."

DR. RALPH B. PECK in accepting the Award: "Thank you, Henry. I had some doubt as to where you were going

every once in a while, but I am indeed honored by this Award. I know the esteem in which it is held by the construction fraternity, and I look with the greatest respect on the previous recipients. I am very happy too that it has been presented by Henry Le Mieux and that he mentioned my early association with Raymond which came about largely in Chicago through my acquaintance with Al Cummings whom many of you know, and who at that time was District Manager of Raymond in the Chicago area. Al took me in hand when I first came to Chicago on my first really professional job, and introduced me to his wide circle of acquaintances which included all the engineers in Chicago whom he knew because of his daytime job with Raymond, but he also knew all the prominent figures in soil mechanics who he came to know through what I might call his nighttime association as a student of soil mechanics. Al also was a favorite lecturer at the University of Illinois after I had moved down there."

"I have noted in the list of distinguished recipients of this Award that there are very few academics. In fact, unless I have missed somebody, I think they can be counted on the thumbs of one hand. This in a way increases my pleasure in being the recipient this year, but it still makes me wonder why. Does engineering education somehow fail to produce graduates or literature that is really of interest to construction men and foundation engineers? I somehow have never felt that there is a separate profession of engineering educators. I have always replied if somebody asked me what I did for a living that I was a civil engineer. This is my first reaction. To be sure, I like to teach as well and I like to be associated with recent developments, perhaps even participate in some of the developments and to try to translate them into terms that will become useful for practicing engineers, but I still regard myself as a civil engineer, and I'm proud of it."

"I hope your recognition of me as a non-member awardee will encourage those in engineering education who feel similarly at least. If it does, it will help to bridge whatever gap may exist between engineering education and engineering practice, and on behalf of my educator colleagues who share this goal, I extend to you my deep felt thanks for this reward. Thank you."

MEMBERS EMERITUS

(Continued from Page 4)

LARRIE A. PISEGNA worked for Koppers Company as their New York representative when he became a member of The Moles. As a sales engineer Mr. Piseгна assisted many contractors, engineers and others in connection with design and specifications of Wood Preserving products for construction. In 1967 Mr. Piseгна became General Sales Manager for Niedermeyer-Martin Co., and moved to Portland, Oregon. He is at present Marketing Manager for the company and located in Marietta, Ohio.

EMIL H. PRAEGER, Chairman of the Board of the prominent engineering and architectural firm URS/Madigan-Praeger Inc., has spent over a half a century in professional practice. During his outstanding career, Capt. Praeger has directed the engineering of bridges, highways, piers, seawalls, airports, military installations, commercial and industrial structures and stadiums. He was recipient of the 1963 Consulting Engineers Council Award and was named Engineer of the Year in 1969 by the New York State Society of Professional Engineers. In 1966 he was named Honorary Member of the American Society of Civil Engineers. A graduate of Rensselaer Polytechnical Institute (class of 1915) he was also head of the civil engineering department at R.P.I. during the period from 1939 to 1946, interrupted by service during World War II when he served in the Civil Engineer Corps of the United States Navy as director of design for the Bureau of Yards and Docks, Rensselaer, St. John's University and Manhattan College have all awarded him honorary degrees as Doctor of Engineering for his many services.

AUGUSTUS V. RIEGEL has been a member of The Moles for over thirty years having received his 25 Year certificate in 1965. Since 1946 Mr. Riegel has been engaged in his own business specializing in excavation, construction of utility lines, and paving work for all sorts of buildings throughout the Westchester area. He recently retired from active participation in construction and resides in Thornwood, New York.

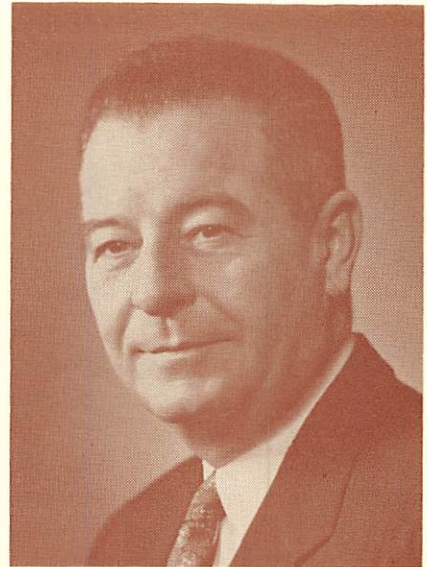
FRANK M. RAFFO became the active sales representative for E. I. du Pont de Nemours (explosives) in 1964. Due to a recent change in Mac's assignments with duPont his duties are far reaching and he has been elected a Member Emeritus so that J. J. Maloney may represent the firm in the contractors' division.

EDWARD D. SABIN has been a member of The Moles since 1949 and has served as Consulting Engineer to the City of New York, Triborough Bridge and Tunnel Authority, Borough of Manhattan and other Agencies. More recently he has been concerned with beach erosion and shorefront damage problems on eastern Long Island. For The Moles, Mr. Sabin has served on the Publicity Committee, Committee on Elections and in 1969 was Sergeant-at-Arms, serving on the Executive Committee.

SHERMAN H. SERRE recently retired as Executive Vice President of Dunbar & Sullivan Dredging Co. Mr. Serre had been a Vice President of the Great Lakes Division Merritt-Chapman & Scott until in 1966 that Division was acquired by Dunbar & Sullivan. He has been a member of The Moles since 1949.

CLIFFORD S. STRIKE has been in construction for nearly fifty years, starting in 1924 with Dwight P. Robinson Company. Some time later he became President of F. H. McGraw & Company and directed many major projects during World War II. In 1945 he was appointed Chief of the Building Materials, Construction and Forestry Office of the Military Government for Germany by the United States War Department. In 1947 at the invitation of the Secretary of War he headed a consortium of eleven leading engineering firms "Overseas Consultants Inc." They were assigned to assess and evaluate Japanese reparations and recommend an industrial rebuilding program for the war-ravaged country. The policies and procedures embodied in that study, known as "The Strike Report" served as a guide-post for establishing a realistic reparations program for Japan. In 1966 The University of Illinois College of Engineering presented Mr. Strike with their Alumni Award for Distinguished Service in Engineering.

ALFRED N. WARWICK charter member, past President and you name it Al Warwick has done it for The Moles. He has held virtually every office in The Moles including the Office of President in 1946. His business career was devoted mostly to industrial building, foundations and waterfront construction. Mr. Warwick in addition to his work as a building contractor has made a specialty of real estate appraisal and building valuation. Flying and boating have long been his favorite hobbies. Recent problems with his eyes have caused Al Warwick to become a little less active but a little less active for him is very, very active for most.



J. JOSEPH KELLEHER died on October 31, 1972.

He was born and grew up in Wilmington, Delaware.

In 1929 Mr. Kelleher joined Hercules Powder Company and served in the Explosives Department throughout his entire career with the company. Prior to that he was employed by DuPont and the Peerless Explosives Company.

Through his close association with leaders of America's mining and construction companies, Mr. Kelleher was probably the best known representative of explosives manufacturers in the United States.

He retired on December 31, 1961 after forty years of service in the explosive business to make his home in West Palm Beach, Florida.

At that time the "Beacon Rocket" an employee publication of Hercules Powder Company wrote, "He 'hangs up his spikes' with the gratitude of Herculites to a man who helped make the company a leader in the explosives field."

In 1962 Mr. Kelleher became a Member Emeritus of The Moles and enjoyed the Florida locale which was perfect for the two sports he loved best deep sea fishing and golf.

WALLACE YOUNG has been a member of The Moles since 1954. Until his recent retirement he traveled extensively throughout Central and South America representing a number of American manufacturers of Tunnel and Mining Equipment. Mr. Young now makes his home in Sedona, Arizona.



LEWIS J. HAMMOND died on January 26, 1973 at Nassau Hospital, Mincola, New York after a brief illness. He was 76.

Lew was born in St. Louis, Missouri and served in the United States Navy aboard a sub-chaser, operating in the English channel during World War I.

Shortly after his discharge from the Navy he went with Hubbard & Floyd, Construction equipment distributors in New York City.

In 1933 he founded his own company Hodge & Hammond Inc. and represented, among others, Northwest Engineering Company, equipment manufacturers for the construction industry.

Lew received his 25 Year Certificate from The Moles in 1967. He had been a Member Emeritus since 1964 when his son, Al became a member.

He is survived by his wife, Gladys; two sons, Lew, Jr., and Al; a daughter, Phyllis Burch; and ten grandchildren.

SORRY! . . .

In the November 1972 issue of H-T when we paid tribute to the 25 Year Members we incorrectly stated that Fred Driscoll, Sr., was Chairman of the George F. Driscoll Company and his son, Fred, Jr., was president. We wish to rectify that statement. Mr. Driscoll Sr., is President of the firm and his son, Fred Jr., is a Vice President. Mr. Driscoll also is a past President of the Building Contractors and Mason Builders Association; and a past President, member of the Board of Governors and member of the Executive Committee of the Building Trades Employers' Association; Chairman of Catholic Charities (Brooklyn Diocese); and a Trustee of the Greater New York Savings Bank.



FRANCIS J. JORDAN died on January 11, 1973 at Boca Raton Community Hospital, Boca Raton, Florida. He was 73.

He was born in Canada but moved to Chicago at an early age. He attended Akron University and Brown University.

In 1926 he joined Poirier & McLane Corporation as office manager. At the time of his passing he was Chairman of the Board of that company. Frank Jordan devoted his entire career to the construction of tunnels, dams, highways, bridges, and power plants. In 1971 he was presented with his 25 Year Certificate from The Moles.

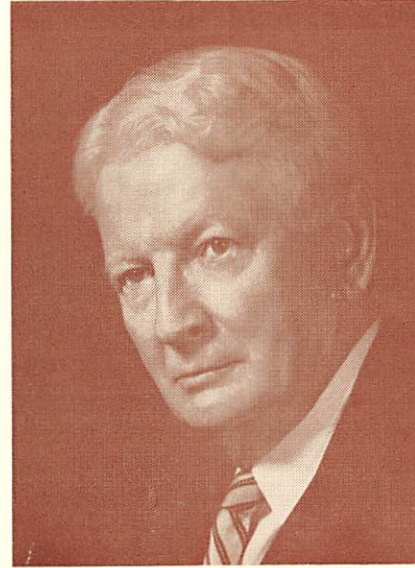
He is survived by his brother James P.; two daughters, Mrs. George R. Grant and Mrs. J. J. Moffett; seven grandchildren and one great grandchild.

HERBERT M. CROWLEY died on December 14, 1972. He was 71.

Former member of the Board of Directors and Vice President of Raymond International, Mr. Crowley joined the firm in 1925 as a Field Engineer. In 1936 he was made Manager of Construction and in 1953 was elected a Director and Vice President responsible for Planning, Personnel and Labor Relations.

Upon his retirement from Raymond in 1964 he became a Member Emeritus of The Moles having been elected to active membership in 1957.

In a tribute to Mr. Crowley the Raymond house organ wrote: "Herb Crowley's career spanned three decades of growth for Raymond in which he played a vital part. He was highly regarded by his colleagues and was respected not only for his engineering knowledge and his personal integrity but especially for his dedication to Raymond."



FRANK E. CUDWORTH died on October 23, 1972 at home in Rowayton, Connecticut. He was 94.

Graduating from Dartmouth College in 1901 and the Thayer School of Engineering he served thirteen years as an Overseer of the Thayer School and was recently honored as the School's oldest living alumnus at the 1971 Centennial Celebration.

His long career included work on many of the heavy construction projects in and around New York City, namely, the dry docks Brooklyn Navy Yard; the Federal Reserve Bank Building; the Army Base in South Brooklyn; the 14th Street Power House; the George Washington Bridge; the Triborough Bridge and the Queens Midtown Tunnel.

Mr. Cudworth was a charter member of The Moles and a member of the American Society of Civil Engineers and a lifetime member of Kismet Temple and the Scituate Historical Society.

Mr. Cudworth is survived by his daughter, Mrs. William L. MacMichael and three grandchildren, Thomas, Susan and Anne.

THANK YOU FOR HARD HATS

HERB WASSERMAN, Chairman of the Education Committee wants to thank all the contractors who generously donated "HARD HATS" for The Moles' annual Students' Day. As the photos appearing on page 12 indicate, hard hats are a most essential part of the day.

CORRADI on POLLUTION CONTROL

PETER CORRADI, Chairman of the Board of Raymond International Inc., has been appointed a member of the National Industrial Pollution Control Council and Vice Chairman of the Construction Sub-Council by Frederick B. Dent, Secretary of Commerce. The Council was formed in 1970 by President Nixon as an advisory group of business leaders concerned with pollution control and abatement, and its impact on energy shortages, the construction industry, and other areas of national concern. He was also appointed for a four-year term as Director at Large of the Engineers Joint Council. The Council coordinates the activities of 36 professional engineering societies in common areas of concern including national defense problems, mass transportation, energy resources, and problems of environmental pollution.

TURNER to receive GOLDEN PLATE

HOWARD S. TURNER, Chairman and Chief Executive of Turner Construction Company has been chosen by the American Academy of Achievement as one of fifty giants of accomplishment from America's great fields of endeavor to receive the Golden Plate Award during the twelfth annual Salute to Excellence weekend, June 14-16 at Chicago. The Academy annually honors extraordinary leaders in the sciences, professions, industry, arts, and service to fellow man as an inspiration to today's youth.

SWENSON to Manage Bailey Employment Services

CARL L. SWENSON, JR., has become Manager of Bailey Employment Services of Mount Kisco. A professional placement service extending from New York City to Bangor, Maine, they handle placement of secretarial, clerical, sales, administration, technical and executive management type personnel. Carl is a former vice president of Foley Brothers, Inc., Pleasantville, New York.

STUDENTS' DAY

On Friday, April 6th, The Moles were hosts to nearly 350 engineering students and faculty from 19 eastern engineering colleges.

Students' Day, an annual event in April is a "showcase" for embryo engineers to get a first-hand look at a current great construction undertaking. The North River Water Pollution Control Plant construction site surely filled the bill this year.

Construction of the first stage (the foundation and a 32 acre platform on which the plant will be built) is being performed by the joint venture of Perini Corp., Brown & Root, Horn Construction Co., Savin Bros., and McKinney Drilling, called Perini North River Associates. Plans and specifications were prepared for the Department of Water Resources, City of New York by a joint venture of Tippetts-Abbett-McCarthy-Stratton, Gibbs & Hill, Inc., and Feld, Kaminetzky & Cohen. Mason & Hanger-Silas Mason Company Inc., are the resident engineers for the City.

The 32 acre platform extends 700 foot into the Hudson River and runs along the shore for 10 city blocks. 2400 concrete filled steel caissons are being driven for this foundation. The caissons ranging from 24 to 42 inches in diameter go as deep as 250 foot. The 60 X 160 foot drill barge was made by welding 4 standard barges together. There are 6 of these in operation now and each barge has its own 30 X 90 foot satellite barge.

The Students' Day program began with a briefing at CCNY. Dr. Jacob Feld explained to the students the various designs considered and the reasons for the final design now being constructed. Martin Lang, Commissioner, New York City Department of Water Resources explained the overall concept and the part it played in the environment of the City.

Dates To Remember

May 9, 1973 — Annual Business Meeting and Dinner — The New York Hilton Hotel.

•

August 9, 1973 — Annual Clambake — Colonie Hills, Hauppauge, Long Island.

•

November 8, 1973 — Fall Members' Dinner — The New York Hilton Hotel.

•

January 23, 1974 — Annual Award Dinner — The New York Hilton Hotel.

STUDENTS' DAY (Continued)

Charles Richardson, Vice President of the Perini Corporation spoke to the students on the problems of construction and what had to be done to correct them.

The balance of the day was spent viewing the work in progress which included boarding the drill barges; munching the ample box lunch furnished by The Moles and talking over the various phases of construction.

The entire day was organized under the supervision of Charles W. Edgar, Project Engineer for Perini North River Associates assisted by William M. Sheehan, Resident Engineer, Mason Hanger.

The Moles' Education Committee chaired by Herbert Wasserman served as guides along with key personnel on the job.

The Moles' "special thanks" to Professor Gerald Palevsky, Faculty Advisor and G. Donald Brandt, Acting Chairman Civil Engineering Department, C.C.N.Y. for their courtesy and assistance in permitting The Moles to have the briefing at their Finley Ballroom.

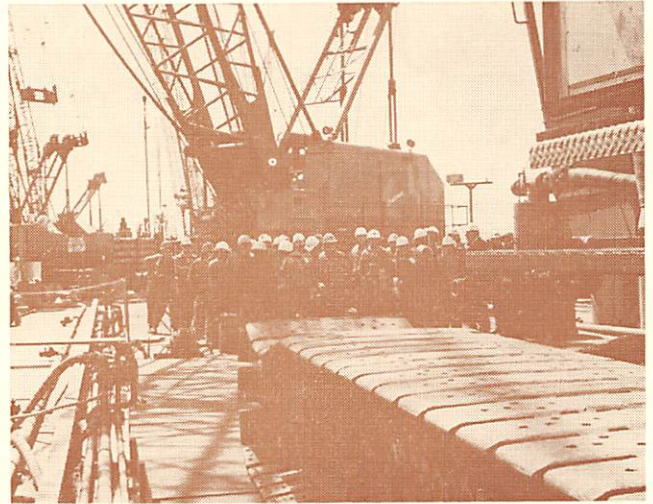
Photo credits and our thanks to Marty Ostergaard of Avenel, New Jersey. (see page 12).



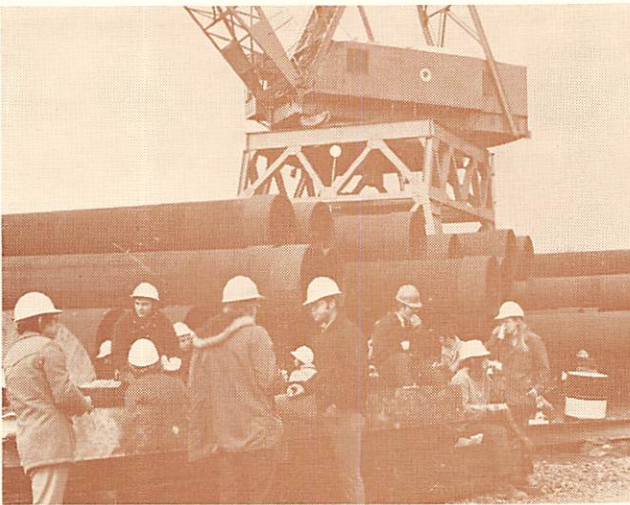
Students' Day 1973



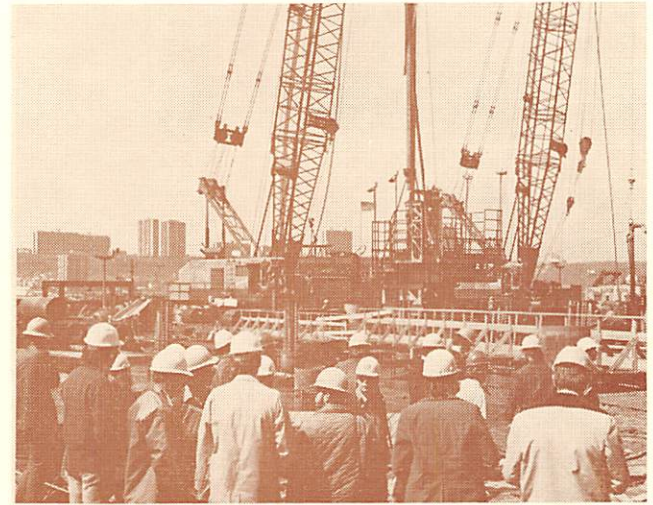
"Necessary and Nice" Before going out on the job hard hats are distributed to everyone.



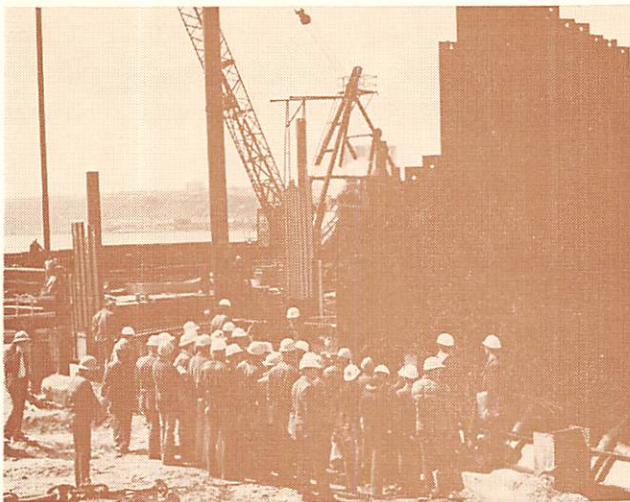
Operation "life jacket". Students get a close look aboard drill barge.



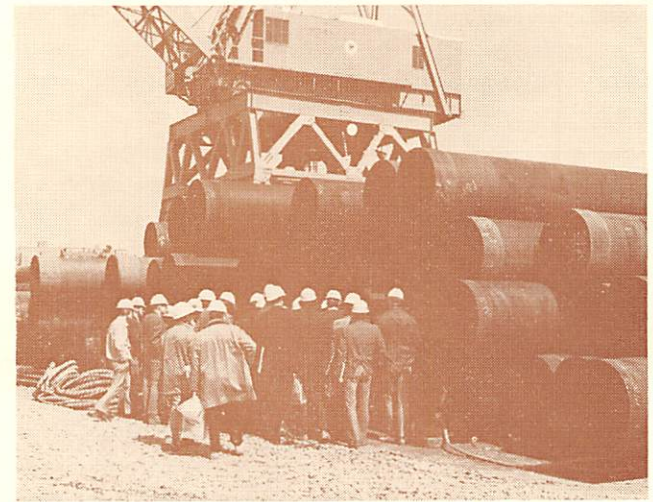
Student Engineers talk over day's events while "munching lunch". Behind them are 42 inch diameter caissons and Gantry Crane.



Student engineers are briefed on the operation of drill barge before going aboard for a closer view of the operation of rotary drills and air lift.



Bob Garner, Perini North River Associates Chief Draftsman explaining to his Student Group the construction of Cellular Sheet Pile Cofferdam.



Student engineers inspect the Materials Yard stacked with 42 inch diameter caissons with Gantry Crane in background.