

NEWS BULLETIN

AN ASSOCIATION OF MEN

**HOLING**



OF THE MOLES

ENGAGED IN HEAVY CONSTRUCTION

**THROUGH**

JULY, 1975

## ANNUAL BUSINESS MEETING



The Moles' 1975/76 President, Frank Vitolo (left) presents retiring President, Charles A. Richardson with pin and certificate indicating his service to The Moles at the annual business meeting and dinner, May 7th.

**GOOD FELLOWSHIP** and a convivial atmosphere prevailed as always at The Moles' Annual Business Meeting & Dinner held on May 7, 1975. The new members' badges were printed in a different color from the others so they could be easily recognized and "special welcomes" given to them during the cocktail hour.

Two hundred thirty five were present for the traditional prime ribs of beef dinner and to witness 1974/75 President, Charles A. Richardson preside for the last time and officially turn the gavel, his symbol of office, over to

1975/76 President, Frank Vitolo.

One of the highlights of the meeting was the introduction of new members. Twenty nine of the thirty four were present and their photos appear on

(Continued on Next Page)

## *Clambake Set For Thursday, August 14th at Colonie Hill*

The Program Committee, chaired by JAMES W. JENKINS, has been diligently working on The Moles' annual Clambake, in an effort to give the members and their guests a memorable 'fun-filled' day of activity.

Once again, the setting for this most important day of the summer season is the Colonie Hill in Hauppauge. (Directions for reaching the Club on page 3)

We urge you to get your request for tickets in early as the demand for this event seems to increase each year, as word gets around about the food and facilities at this 'most-talked-about' Club out 'east'.

Your Committee has put together a great show for the evening's entertainment and during the day there will be games galore, prizes, and just plain good fun with your fellow-Moles and friends.

Free beer will be available all day and plenty of ala carte bars will be open to serve other beverages.

Registration starts at 11 a.m., luncheon will be served from 11:30 a.m. to 2 p.m., and dinner at 6:30 p.m.

Don't put it off, set the date aside, invite a friend, and order your tickets today for The Moles' Clambake at Colonie Hill, Thursday, August 14th. Hop on a plane, get in your car, charter a bus, catch the train, but be there—because everyone you know will be.



## ANNUAL MEETING

(Continued from Page 1)

pages 4 and 5 along with a brief paragraph on the accomplishments of all thirty four. President Richardson advised that a letter had been sent out over his signature to quite a number of members who were retired explaining the advantages of 'emeritus status' and because of a fine response we were able to create a few more vacancies in the active membership to be filled last April when new members were elected. He said, "your new President, Frank Vitolo will probably do the same thing as the year goes on and I hope that those that are eligible will request 'emeritus status' since that is the way we are going to keep this fine organization going."

Reports of the Officers and Committee Chairmen were read into the record in the traditional manner.

Treasurer, Sal DeSimone advised that as of May 1, 1974 the cash balance in the Operating Account had been \$5,303.11 and as of May 1, 1975 the cash balance was \$4,611.98. He advised that receipts for the period from May 1, 1974 to April 30, 1975 had been \$156,385.00 and disbursements for this same period were \$157,001.98.

Secretary, Phil Miller advised that all the duties of the Secretary had been carried out during the past year in accordance with the By-Laws of the Association. He said, "it certainly has been a privilege to serve as your Secretary under such a *great guy* as Charlie Richardson and I hope to be able to perform equally as well under the new President, Frank Vitolo, another *great guy!*" He went on "I feel sort of like Branch Rickey when he appeared at a party when he (Rickey) was about 85—the host said, 'Mr. Rickey it's good to have you here' and Rickey replied, 'at my age' I'm glad to be here!' Thank you"

Chairman of the Award Committee, Dan Lazar, reported the largest crowd ever at the 1975 Award Dinner and explained briefly the workings of the Award Committee.

Bob Hiener, Chairman of the Membership Committee gave the status of the membership at this date reflecting 486 active members; 194 emeritus; 41 honorary and 2 founder for a total of 723 members. He welcomed the new members of The Moles to membership in "the greatest crowd in the construction industry" and said, "I am very proud to be one of you."

Chairman of the Program Committee, Bud Gray, reported on the activities of his committee and advised the date and location of the 1975 Clambake. He



Salvatore V. DeSimone (left) is presented with certificate indicating three years of faithful service as Treasurer of The Moles by President, Charles A. Richardson at the annual business meeting and dinner, May 7th.

wished a good year to his successor, Chairman, Jim Jenkins.

Sid Houck, Chairman of the Publicity Committee reported for his committee and once again asked that news of members be sent to The Moles' office in order that it could be passed on to the membership in subsequent issues of *Holing Through*.

Chairman of the Finance Committee, Lou Hall reported that the Permanent Fund of The Moles amounted to \$88,116.09.

Education Committee Chairman, Herb Wasserman reported on a successful Students' Day (photos on page 9) He submitted a list of civil engineering students for the Student Award (detailed account on page 8) and made a plea for those who needed summer help to hire these student engineers.

When the gavel was handed to the new President, he said, "Thank you Charlie and thank you everyone". To the outgoing President he said, "you have accomplished everything you tried to do this past year."—President Vitolo presented Mr. Richardson with his past president's certificate and pin and Mr. Richardson responded, "It has indeed been an honor to have served as your President. To everyone who worked with me this past year. I am humbly grateful.—Of course, it is very easy to work with an Executive Secretary such as

*we have here at The Moles, she has everything spelled out for us and all we have to know is how to read.—Which brings me to an apology! I am sorry I mispronounced so many new members' names this evening but you must remember, I'm just a little country boy out of New England who comes to New York now and then."*

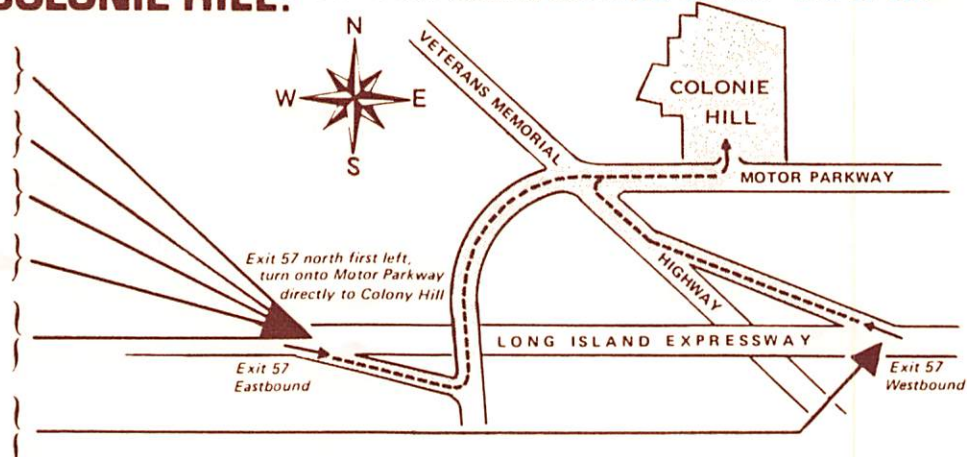
Mr. Richardson went on, "I pledge my faithful work for the balance of my life and everything that I can do to help The Moles, I will do. I feel that they have done so much for me, I have a lot to pay back.—I will help Frank and everyone else that is elected by you members."—He turned the meeting back to President Vitolo who responded, "Thank you Charlie that was a fine talk. I want to thank you members for the honor and privilege that you have afforded me by electing me to the Presidency of this fine organization for the current year. It is an honor to be listed among the fine construction people who have gone before me and I hope I can keep up with the fine traditions they have always maintained. With the help of some great committees that we have appointed to work with us in the activities of The Moles, I am sure we will have another great year."

The meeting was adjourned at 8:30 p.m., but visiting continued for some time after.



**How to reach COLONIE HILL:** 1717 MOTOR PARKWAY, HAUPPAUGE, L.I., 11787 (516) 234-7800

- FROM BROOKLYN  
Belt Parkway to Cross Island Parkway to Long Island Expressway eastbound — then
- FROM MANHATTAN & QUEENS  
L. I. Expressway — eastbound — then
- FROM THE BRONX  
Throgs Neck Bridge to Long Island Expressway — eastbound — then
- FROM NASSAU AND WESTERN SUFFOLK COUNTIES  
L. I. Expressway — eastbound — then
- FROM NEW JERSEY  
George Washington Bridge to Cross Bronx Expressway to Throgs Neck Bridge to Long Island Expressway eastbound — then
- FROM EASTERN SUFFOLK COUNTY  
L. I. Expressway, Exit 57, right on Veterans Highway to Motor Parkway, right directly to Colonie Hill.



**ALTERNATE ROUTES:** Grand Central Parkway, Northern State Parkway to Exit 37A on to Long Island Expressway, East to Exit 57 — OR: Southern State Parkway to Sagtikos State Parkway, North to Long Island Expressway, East to Exit 57.

*Twenty Five Years Ago . . .*

The July 1950 issue of *Holing Through* reports on the annual business meeting held on May 3rd. This was, no doubt, a memorable meeting and one of the best things that ever happened to The Moles. This was — for you ‘old timers’ who can remember and for the ‘new members’ who have come along since then — the meeting when our beloved Ralph Atwater was unanimously elected Honorary Life President and member ex-officio of all committees. “Mr. Mole” as he has been affectionately called for so many years, had been the initiator of the original ‘Clambake’ in 1938. The Moles’ Award Dinner, says *Holing Through’s* July 1950 issue, was his baby too. The first one held in 1941. Founder Member, he held the positions of 1st Vice President 1939, 40; Secretary-Treasurer 1941, 42, 43, 44; Treasurer 1945, 46, 47, 48, 49; Chairman the first Award Committee 1940; Chairman Program Committee 1938, 39, 40. Since Ralph had repeatedly refused the Presidency of The Moles, the late Jim Salmon came up with the idea of electing him to the Honorary title. Then President, the late Carlton Proctor thought it a great idea and had Charles Spencer present it in the form of a motion at the Annual Business Meeting where it was unanimously acclaimed with rousing cheers by the entire membership present.

Jack Walsh aptly put it when asked to say a word about Ralph Atwater in 1967, “From the inception to the present day, Ralph Atwater has been ‘Mr. Mole’. He has been the living breath of the organization because it has been his life. There is only one Ralph and we are fortunate to have him here to guide us.”

Where is Ralph today, some may ask. While his health limits his activities in a Physical way, Ralph is just as keen and interested in what’s going on at The Moles as ever. —

- WILLIAM D. ALEXANDER recently retired as President of Seelye Stevenson Value & Knecht and moved to Pawleys Island, South Carolina to start a new endeavor. His construction consulting service includes construction management; value engineering; systems engineering and his experience boasts substantial success in the areas of site selection, airports, buildings, manufacturing plants, data processing centers, public works, transportation, hospitals, research centers, environmental projects, military installations and interior alterations.

- HOWARD G. DIXON, JR., has been appointed manager of construction-international for Dravo Corporation’s Heavy Construction Group. Prior to joining Dravo in April his 28 years of experience in engineering and construction management include 11 years of international assignments. He was vice president of property and facilities for Pan American World Airways for the past four years and prior to that was international construction manager for Dillingham Corporation, Honolulu, Hawaii.

**CHARTER MEMBER DIES**

GEORGE F. BOHANAN, one of the 13 remaining Charter Members of the original 100, died on December 4, 1974. Mr. Bohanan joined The Moles in May 1938. At that time he was employed by the Carleton Company.





Front row, left to right: Alfred Johnsen, Glen Ballowe, Richard Schwyn, James Mann, Joseph DiCarolis, David Hammond, John Hoban and William Acker. Back row, left to right: Martin Cooper, Duncan Wood, Boyd Paulson, Robert Brungraber, Robert Howard, James Graves, Edmund Burke and William Kruse.

## NEW MEMBERS

**WILLIAM L. ACKER** is President of Acker Drill Co., Inc. Highly regarded in the field of Sub-surface Exploration he developed a relatively small drilling manufacturing business into one of the world's leading drill manufacturers. Civic minded as well he has served on boards ranging from hospitals to Chamber of Commerce and United Fund. He is a graduate of Princeton University earning a B.S. in Mechanical Engineering in 1939. Mr. Acker is a Fellow in the American Society of Civil Engineers.

**GLEN H. BALLOWE** is Executive Vice President & General Manager for The Volpe Construction Co., Inc. He has an admirable background in heavy construction for the past 28 years, 23 of which he has spent with The Volpe Construction Co. A few of the major projects he is identified with are: Potomac Electric Power Company Substation; Metro Communications Center; and 400 North Capitol Office Building all in Washington, D.C. and all involving extensive sheeting, shoring, underpinning, tunneling etc. Mr. Ballowe is a graduate of George Washington University where he earned a B.S. in Civil Engineering in 1949. A leader in professional and community affairs, he is a registered professional engineer, a member of the American Society of Military

Engineers, and the American Society of Civil Engineers, the Luther Rice Society, Washington Society of Engineers and the American Institute of Management to name but a few.

**ROBERT J. BRUNGRABER** is Professor of Civil Engineering at Bucknell University. Well known to many of the members of The Moles and particularly to those who have served on the Education Committee inasmuch as he has been an enthusiastic participant in all our Education Committee endeavors. While a teacher of civil engineering (particularly structures, foundation and materials) he continually strives to interest and works effectively in getting his students into the heavy construction industry. Bob received his B.S. in Civil Engineering in 1951 from the University of Michigan; his Masters from Cornell University in 1956 and a Ph.D. from Carnegie Institute of Technology in 1963. He is a member of numerous professional societies and recently was loaned to the National Bureau of Standards for studies in excavation failures vs safety.

**EDMUND M. BURKE** is a Partner in the prominent consulting engineering firm of Mueser, Rutledge, Wentworth & Johnston. Mr. Burke has been with the firm over twenty years and worked his way to partnership in 1973. His specialty is design and field inspections of

foundations for all types of structures, underpinning and waterfront work. He earned his Civil Engineering degree from Manhattan College in 1949; at New York University he received his Masters and went on to graduate studies at Columbia. He is a member of the American Society of Civil Engineers, American Concrete Institute, N.Y. Association of Consulting Engineers, American Consulting Engineers Council and the American Road Builder's Association.

**RALPH E. CHILTON** is Executive Vice President and Director of Dunbar & Sullivan Dredging Co. Starting as an engineer he has risen through the ranks to the position he now holds. He has been involved with many of the large earth and rock dredging jobs all over the United States and most recently and notably here in New York City on the trench tunnel crossing of the East River for the 63rd Street Subway project. He graduated from Yale University in 1951.

**JOHN CHOW** is Assistant Chief Engineer with J. Rich Steers Inc. John started with J. Rich Steers in 1960 after graduating from Indiana Technical College with a B.S. degree in Civil Engineering. John showed his interest in The Moles long before he became a member by assisting with the Education Committee's work, in particular on Students' Day for many years.





Front row, left to right: John "Ned" Hughes, Thomas McCambley, James Wharton, John Chow, Edward Plotkin and Joseph D'Annunzio. Back row, left to right: John Finn, William Dyckman, Harold Rein, Jack McKinney, Edward Poole, Michael Scovotti and Ralph Chilton.

MARTIN M. COOPER is presently with A.A. Mathews Inc., he is Vice President and Area Manager in their New York City office administering a million dollars worth of intercepting tunnel construction in New York City. Prior to this he carved an interesting career as a tunnel engineer throughout the area. Starting with the Delaware Aqueduct Tunnel for the Board of Water Supply and concluding with Water Tunnel No. 3, rising through the ranks as Resident Engineer to Deputy Chief Engineer of Construction. Mr. Cooper received his B.S. degree in Civil Engineering at City College of New York in 1934.

HUGH E. CRONIN is Vice President of Morrison-Knudsen's Underground Construction Division. As such he is responsible for all that company's work in the United States relating to tunnels, shafts, cut & cover, caverns and underground power houses. He received his Civil Engineering degree from Manhattan College and has attended M.I.T., University of California and Boise State College for various courses. He is a member of the U.S. National Committee on Tunneling Technology and the Underground Construction Research Council.

JOSEPH D. D'ANNUNZIO is President of D'Annunzio Bros. Inc., a heavy highway and utility construction firm

located in Scotch Plains, New Jersey. He has a B.S. degree in Civil Engineering from Massachusetts Institute of Technology which he received in 1950. A member of numerous professional societies he was President of the National Utility Contractors Association in 1972 and is an active member in the ASCE.

JOSEPH A. DiCAROLIS is Senior Vice President of Schiavone Construction Company Inc., and in this capacity oversees all the heavy construction work performed by the company. Mr. Di-Carolis is a graduate of Princeton University earning his B.S. in Civil Engineering in 1954. He is a member of several professional societies and serves on numerous committees.

WILLIAM T. DYCKMAN is a Partner and Senior Vice President of Parsons, Brinckerhoff, Quade & Douglas. In his position with PBQ&D he has been responsible for the execution of major highway, tunnels and heavy foundation construction projects. He obtained his Bachelors degree in Civil Engineering from New York University in 1940 and his Masters in 1944. Mr. Dyckman is a member of the National Society of Professional Engineers, the American Society of Civil Engineers, the American Consulting Engineers Council, the New York Association of Consulting Engineers, the American Road Builders

Association and the American Institute of Consulting Engineers.

JAMES F. FINN is Partner in the architectural, engineering and planning firm of Howard Needles Tammen & Bergendoff. As one of 12 Partners Mr. Finn has shared responsible charge of major construction projects both nationally and internationally. He is a graduate of Newark College of Engineering earning a B.S. degree in Civil Engineering in 1953. He is a member of numerous professional societies including: American Consulting Engineers Council, American Road Builders Association, American Society of Civil Engineers, International Bridge, Tunnel & Turnpike Association, National Society of Professional Engineers, Transportation Research Board, New Jersey Society of Professional Engineers, New Jersey Society of Professional Planners and Chi Epsilon.

CHRISTOPHER J. FOSTER, JR. is Vice President of Christopher J. Foster, Inc., consultants specializing in marine work including offshore terminals, drilling rigs, moorings, waterfront facilities, piers, graving docks, shipyard layouts and modernization of facilities. He is a graduate of Bridgeport University receiving his degree in Engineering in 1959. Chris' father has been a long time member of The Moles and has

(Continued on Page 6)



## NEW MEMBERS

(Continued from Page 5)

just attained "emeritus" status. Mr. Foster, Jr. is a member of the Society of Naval Architects & Marine Engineers, Marine Technology Society, Society of American Military Engineers, Naval Institute Society and the Propeller Club.

JAMES H. GRAVES is an Officer of American Structures Inc., a company specializing in tunnel construction, underground structures, and large vertical drilling. He attended Kenyon College and received a B.A. degree in 1947 and went on to Cornell University to earn his Masters in 1949. The firm has successfully completed difficult sewer tunnels in Chicago, Houston, Decatur and Baltimore and subway projects in Washington, D.C. Mr. Graves has been responsible for the development of this work (estimating and negotiating) and has also been involved in the administrative, engineering and construction aspects of the work.

DAVID G. HAMMOND is Vice President and Project Director of the Baltimore Rapid Transit System and Director of Transportation Projects in the eastern region for the firm of Daniel, Mann, Johnson and Mendenhall. He has a B.S. degree in Civil Engineering from Pennsylvania State College and earned his Masters in 1939 from Cornell University. Prior to his affiliation with DMJM he was Chief Engineer and responsible for the design and construction of the \$1.4 billion Rapid Transit System (BART) in San Francisco, California. He was District Engineer in Omaha, Nebraska before his retirement with the rank of Colonel from the Corps of Engineers, United States Army.

JOHN F. HOBAN is Deputy Director, Rail Transportation Department of the Port Authority of New York & New Jersey. As such he is in charge of work currently estimated at over \$300 million. He has a B.S. degree in Civil Engineering from Manhattan College which he earned in 1951 and an M.S. in Management Engineering from Columbia University which he earned in 1955. He is a member of numerous professional societies and is active in civic affairs in his hometown area. He is Chairman of the American Public Transit Association-Technical & Operations Committee; the Ventilation & Environmental Control in Subway Tunnel Systems for the Transit Development Corp, and the U.S. Dept of Transportation Advisory Board on matters dealing

with the tunnel environmental impacts of rapid transit systems.

ROBERT B. HOWARD is currently Construction Manager of Dravo Corporation's Eastern Construction Division. During his 29 years with the Dravo Corporation Mr. Howard has had extensive experience in the heavy construction industry ranging from Office Engineer to Superintendent, Project Manager, etc., to the position he now holds. A few of the major construction projects he has been identified with include: New York City Water Tunnel No. 3, Carley V. Porter Tunnel and Pacheco Tunnel in California, Belleville Locks on the Ohio River, the Meldahl Dam, the Newburgh-Beacon Bridge across the Hudson River and Dam No. 8 on the Monongahela River at Point Marion, Pa. He is a graduate of Mississippi State University earning his B.S. degree in Civil Engineering in 1943. During the period of 1944 through 1946 he was a Commissioned Officer in the 42nd and 61st Naval Construction Battalions in the South Pacific.

JOHN E. (NED) HUGHES is Area Manager of Atlas Powder Company (Explosive Sales). In this capacity he is responsible for sales, distribution and technical service of Atlas products, in the northeastern section of the United States, to the construction industry. He is a graduate of Penn State University and earned a B.S. degree in 1949.

ALFRED A. JOHNSEN is currently Marine Construction Superintendent on the joint venture foundation contract for the North River Water Pollution Control Project in upper Manhattan. Prior to this he has held responsible positions with Perini's Marine Division on Ship Piers, Bridge Substructures, Submerged Pipelines, Offshore Light Towers, Dredging, Cellular Cofferdams and Navigation Locks. He earned his degree in Civil Engineering in 1950 at the University of Connecticut.

WILLIAM E. KRUSE is Vice President and General Manager of Falco Construction Corporation in Plainfield, New Jersey specializing in pile driving, sheeting and concrete construction. Prior to his affiliation with Falco he was District Manager of Raymond Concrete Pile Division. He has a Bachelor's degree in Civil Engineering from The Cooper Union which he earned in 1954. Mr. Kruse is a member of the American Society of Civil Engineers and the New Jersey Society of Professional Engineers.

JAMES L. MANN is Vice President of S.J. Groves & Sons Company. He is in charge of Engineering and Joint Ventures for that company. Mr. Mann earned his Bachelor's degree in Civil Engineering in 1949 from South Dakota State University.

THOMAS J. McCAMBLEY is Vice President of Operations for D. W. Winkelman Co. Inc., a firm performing heavy and highway construction throughout New York State and mid Atlantic States area. Mr. McCambley earned his Civil Engineering degree from Manhattan College in 1951.

JACK R. McKINNEY is President of McKinney Drilling Company located in Nacogdoches, Texas. This firm has performed drilling contracts for major difficult heavy foundation work throughout the United States and overseas. McKinney Drilling is one of the joint venturers on the North River Pollution Control Project. Mr. McKinney attended the Stephen F. Austin State University and graduated from the University of Virginia in 1934.

BOYD C. PAULSON is Vice President and Manager of Construction Services with Utah International succeeding Charles E. (Mac) McGraw who retired in 1973. The firm formerly known as Utah Construction & Mining Co., sold its Engineering & Construction Division to Fluor Corp., in 1969 and Mr. Paulson who was Vice President of Construction Operations transferred to the new Fluor-Utah Engineers & Constructors as Executive Vice President and General Manager. Prior to that transfer he served in responsible positions with Utah for many years having joined the firm in 1946. Mr. Paulson attended the University of Utah; Montana School of Mines and received his Bachelor's degree in Civil Engineering from the University of Illinois in 1943. He is a member of the American Society of Civil Engineers; Institute of Engineers (Australia); Professional Engineers (Canada); American Institute of Mining Engineers; The Beavers; and the World Trade Association.

EDWARD S. PLOTKIN is Resident Manager of tunnel construction of New York City subway work being performed by MacLean Grove & Company. Prior to that he was affiliated with DeLeuw, Cather & Co., and Coakley & Booth. He is well known in the foundation, underpinning, and sheeting systems field. He obtained his Bachelor's degree in Civil Engineering from CCNY in



1953 and his Masters in 1958; he also has an M.B.A. degree from the City University of New York which he earned in 1966. He is very active in numerous civic affairs and professional societies.

EDWARD B. POOLE is Senior Vice President of The Hallen Construction Company. The firm has been performing work in the City of New York and northeast United States since 1925 in connection with construction of underground utilities. He is a graduate of Colgate University where he earned a B.A. in Mathematics in 1961 and also has a degree of Bachelor of Management Engineering from Rensselaer Polytechnic Institute which he earned in 1966. Ed is one of the late Arthur E. Poole's sons who was a member for over twenty five years and died in late '73.

HAROLD E. REIN is President of Frederic R. Harris, Inc., a top consulting engineering firm operating world wide in the design, construction supervision and management of tunnels, transit systems, waterfront facilities, petroleum storage, drydocks, piers and refinery construction. He earned his engineering degree from Purdue University in 1950.

GEORGE W. SAUL is Senior Vice President and Director of Bechtel Incorporated. In charge of operations of Hydro & Community Facilities Division; Pipeline & Production Service Division; Petroleum & Chemical Division his operations include design and construction of major heavy construction and industrial plants worldwide. He has most recently been prominently involved with the huge Churchill Falls Project and the James Bay Project. Mr. Saul is a graduate of Fresno State College.

RICHARD B. SCHWYN is Senior Vice President of Walsh Construction Company and General Manager of Water Tunnel Contractors the joint venture performing work on the New York City Water Tunnel #3. He has a Civil Engineering degree from Ohio State University in 1937. For over thirty years Mr. Schwyn has been in tunnel and related heavy construction work.

MICHAEL A. SCOVOTTI is Vice President of Delma Engineering Corp. He has been with the firm for 30 years. He has directed the construction of foundations for many of the major office and hi-rise buildings in and around New York City along with the



Candid shot of groups of members having conversation during reception at The Moles' Annual Business Meeting & Dinner held on May 7th.

construction of highways, bridges and subways. Mr. Scovotti earned his Bachelor's degree in Civil Engineering from New York University College of Engineering in 1948.

PAUL N. STOMS is Vice President of Domestic Operations for Lone Star Industries. The firm, a major manufacturer of Portland Cement, Ready Mix Concrete, Sand & Gravel, and Crushed Stone, supplies much of the heavy construction industry. Mr. Stoms attended the Universities of Minnesota and Washington and graduated with a degree in Economics.

JAMES C. WHARTON, JR., is Vice President with Spencer, White & Prentiss Inc. His primary activity at present is contract administration of specialized foundation, shoring and underpinning work. During his employment with SW&P he has advanced from field engineer; job superintendent; district superintendent; district manager to the position he now holds.

DUNCAN M. WOOD, JR., is Vice President in charge of the design, estimating and construction of Underpinning & Foundation Constructors' operations. He graduated from Lehigh University earning his civil engineering degree in 1950. A few of the many jobs he has directed during his career have been the caissons for the General Motors Building in New York; and the Hancock Garage built over the Massachusetts Turnpike in Boston; the underpinning of scores of structures adjacent to subway construction in San Francisco, Oakland, Washington, D.C., and New York. Mr. Wood also served as a consultant to Iconda on the rock-socketing for the perimeter slurry wall of the World Trade Center in New York.

DONALD J. ZEIER is President of the S.A. Healy Company. He joined the firm in 1941 starting on the Panama Canal Third Locks Project. His tenure with the company was interrupted dur-

(Continued on Page 11)



# EDUCATION ACTIVITIES

## Students' Day

One picture is worth a thousand words and photographer Marty Ostergaard proves this with his "collage" of Students' Day pictures featured on the opposite page. Here is a rundown on the entire day: (1) Civil Engineering Students at the orientation or briefing held at new terminal facilities being constructed at LaGuardia Airport (2) at LaGuardia boarding busses for the tour (3) view of existing structure at Bowery Bay Water Pollution Control Plant (4) view of new construction of Horn-Sands-Slattery contract at Bowery Bay (5) trench for slurry wall at Horn/Kiewit subway project at 41st Ave. & Crescent St., Astoria (6) special bucket for the excavation for slurry wall same project (7) lunch at The Astorian Manor (8) cast iron liner plates at south-east Queens subway project (9) underpinning Long Island Railroad at south-east Queens (10) section of open cut at Queens Structure Corporation's subway project in southeast Queens.

Chairman of the Education Committee, Herbert Wasserman asked us to give his thanks to the entire Committee for their cooperation along with others serving as guides for the day. They are: Tony Crimmins, Gerard Carty, Gene Casey, Mel Febesh, Joe Peraino, Bob Sharkey, Henry Schwartz, Rudi vanLeeuwen, Tony Albiccoco, John Donargo, Flavio Franco, Jim Mahon and Al Ward.

Also to all those contractors who donated 'hard hats' for the day a 'very special thank you' as they are not only a very necessary part of the day but a much appreciated souvenir for the students when the day is over.

We are also giving you excerpts from a few letters which were received from the Colleges who participated in Stu-

## Student Awards

1975 marks the third year. The Moles, as a part of the Education Committee's endeavor to interest student engineers into the construction industry is presenting its Student Award.

The Award (a certificate and one hundred dollars) is given to a student in engineering whose academic achievement and enthusiastic application shows outstanding promise of personal development leading to a career in construction engineering and management.

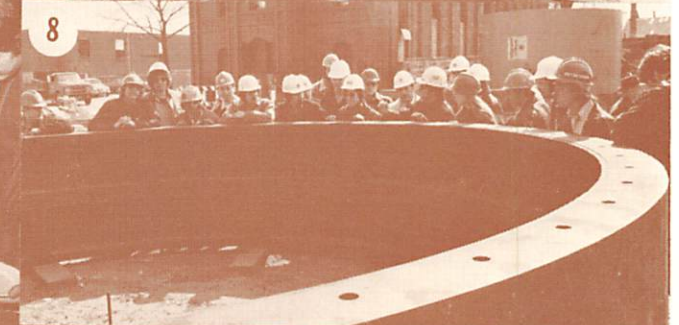
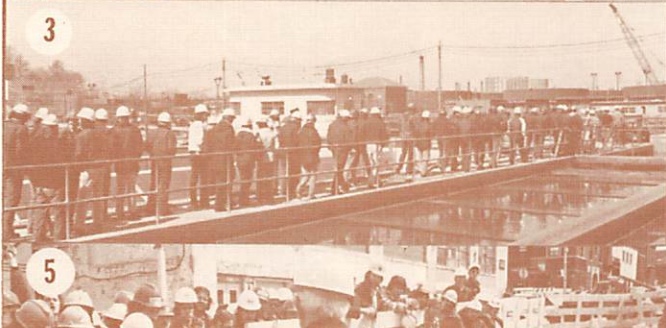
Each of the 19 colleges currently on The Moles' approved list has been invited to participate. As this issue of *Holing Through* goes to press, the following students have been presented with the 1975 Award: Robert Martinez of Princeton University; Thomas Saczynski of Polytechnic Institute of New York; Thomas Jewhurst of the State University at Farmingdale, N.Y.; Dennis Morrisey of Rensselaer Polytechnic Institute; Ronald Tkach of Rutgers University; Gerard Hilier of Lehigh University; Fred Ortmann of Columbia University; James Catella of Union College; Corrado Amato of Stevens Institute; and Warren Malkowicz of the State University at Delhi, N.Y.

---

den's Day to let all the members know how much it is appreciated. From Rutgers University "As usual, the Students' Day was extremely fascinating, and, as always, reflected the hospitality and interest of the various members of The Moles who took time off from their busy schedules to be with us." From Newark College of Engineering "Once again The Moles have sponsored an excellent day of activities for Civil Engineering students. We thank you and the people involved for allowing our students to take advantage of it. A special thanks to Mr. Eugene Casey, who made the day excursion into a very informative experience that will not soon be forgotten. Thank you for the interesting and truly educational day." From R.P.I. "This brief note is to thank you and The Moles for the delightful and instructive field trip on April 11. The RPI delegation, students and faculty members enjoyed it

to the full. I am sure that, with respect to motivational influences on the students, it accomplished its intended purpose. I hope that The Moles will continue the Student Day for many years to come." From Bucknell "On behalf of the Bucknell student engineers and myself, who visited New York City last Friday, we express our sincere thanks for a most interesting and informative day. We greatly enjoyed your tour program and surely benefited by acquiring some 'first-hand' knowledge of various construction practices." From Fairleigh Dickinson University "The entire day was well planned, the guides were excellent, the food and fellowship top drawer—all indicative of the many hours of hard work required to organize a program of this magnitude. The projects were very meaningful and representative of many topics we have discussed in the related course work. A special thanks to Mr. Casey our guide."







## • • • A Moment of Silence • • •



CHARLES B. CUSHWA, JR., died at his home in Youngstown, Ohio, on Thursday, April 25, 1975. He was 65.

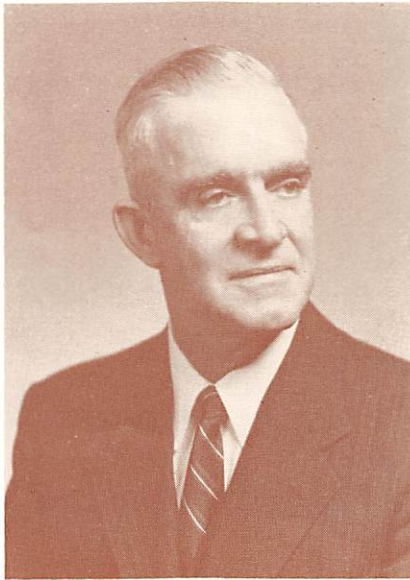
Mr. Cushwa was Chairman of Commercial Shearing, Inc., and its President from 1951 until February of this year when he stepped down because of poor health.

Born in Youngstown, Ohio, he was considered, at his death, one of its leading citizens; giving freely in financial support, thought, time and energy to develop hospitals, schools, churches, convents, universities and other institutions.

He graduated from the University of Notre Dame in 1931 and though he considered studying law when his father asked him to join Commercial, he did and became a leading salesman for the company handling many major contracts including that for tunnel lining of the Chicago subway and other major tunnel projects in their early years. During World War II the company turned to the manufacture of war essentials including Bailey bridges, landing mats and bomb shells. The company won a coveted 'E' award for its government work.

Mr. Cushwa's father, Charles Benton Cushwa was a noted steel man and one of the developers of Commercial Shearing who also occupied a prominent place in the community and in valley industry until his death in 1951. The Board of Directors were prompt in electing his son to the Presidency. Within

(Continued on Page 11)



JOHN P. MOSS died on May 26, 1975. He was 72.

At the time of his death, Mr. Moss was Chairman of the Board of Moss-Thornton Company of Leeds, Alabama, General Contractors specializing in heavy and highway work.

Born in Frankfort, Indiana, Mr. Moss received his bachelor's degree in Civil Engineering from Purdue University in 1924. He was awarded the Professional Degree of Civil Engineer by the University of Alabama in 1957.

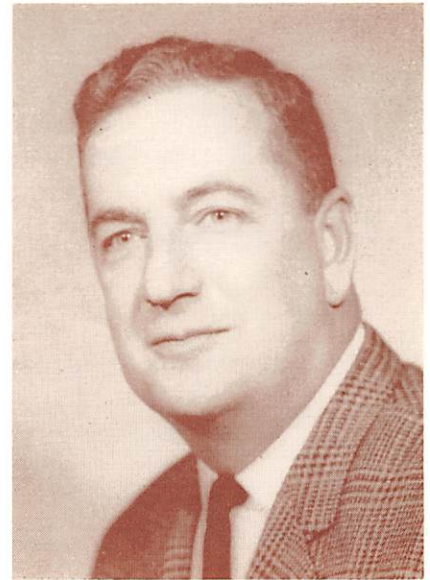
After service with the Illinois Highway Dept., he went to Alabama in the 1930's and organized Moss-Thornton with his partner, Ed Thornton. Mr. Moss served as President of the Company until 1973 when he stepped up to Chairman and his son Bill became President.

Mr. Moss served as National President of the American Road Builders Association in 1965, member of the National Advisory Committee on Highway Beautification, the President's Committee for Traffic Safety and the Highway Research Board.

A member of The Moles since 1962, he also was a member of the Phi Gamma Delta fraternity, Chi Epsilon, American Society of Professional Engineers, the Newcomen Society and a life member of the American Society of Civil Engineers. He was also a Mason, Jester and Shriner.

He served his state as President of the Alabama Road Builder's Association, Chairman of the State Licensing Board

(Continued on Page 11)



WILLIAM R. NASH died suddenly on April 15, 1975. He was 49.

At the time of his death, Mr. Nash was both President and Chairman of the Board of Gunther-Nash Mining Const. Co., of St. Louis, Missouri.

Born in Wilmington, Delaware, he attended grade and high school there and during World War II he served in the Seabees in Alaska and the Aleutian Islands. After the war, he attended the University of Delaware and received his Civil Engineering degree in 1949.

Immediately after graduating he joined Frazier-Davis Construction Company in St. Louis and remained with them until they went out of business in 1972. During his 23 years with that company he worked in many capacities from shifter, walker, assistant superintendent, superintendent, project manager, vice-president and president.

During 1967 he was instrumental in convincing Frazier-Davis executives to form Gunther-Nash Mining Const. Co., to compete for the construction of shafts, slopes and related works in the coal industry. He was the first and only president of the company bearing his name until death took him.

He has been identified with numerous underground heavy construction projects during his 26 years in the industry. A licensed Professional Engineer in Delaware and New Mexico, Mr. Nash was a member of the National Society of Professional Engineers; the Highway Engineers Association of Mis-

(Continued on Page 11)



## NEW MEMBERS

(Continued from Page 7)

ing World War II when he served as an aerial photographer with the United States Air Force. Working through the ranks in all phases of the firm's heavy construction operations he was, three years ago, elected President of the firm by a unanimous vote of the Board of Directors.

### CHARLES B. CUSHWA (Continued)

a few years, he directed a wholly new expansion program which over the years led to establishing plants in England, Luxembourg, Brazil, Japan, Australia and Canada as well as in several states in this country.

Many Honors came to him, notably the award of the rank of Commandeur, Order of the Oak Crown of the Grand Duchy of Luxembourg, conferred in 1968 by Grand Duke Jean in recognition of his service to the principality. Home town groups honored him also over the years with the Eagles' humanitarian award in 1963, the Junior Chamber of Commerce's Frank Purnell Award in 1969, the Mahoning Valley Industrial Council Award in 1962, Youngstown Area Chamber of Commerce's award for civic leadership in 1973 and the Mahoning Valley Industrial Management Association Manager of the Year in 1974. He took pride in his Baseball Oldtimers "King of the Realm" award which he received in 1969.

Deeply loyal to the University of Notre Dame, Mr. Cushwa was recognized in the early 1950's as Notre Dame "Man of the Year" in the Youngstown area. He had headed the Notre Dame Alumni Club there in the early 1940's. In 1956 the University named him to its advisory council for science and industry, a position he filled for many years.

Mr. Cushwa is survived by his widow, Margaret; two sons, Charles B., III and William W., a daughter, Mrs. Mary Ellen Wolsonovich and eight grandchildren.

### WILLIAM R. NASH (Continued)

souri and the American Institute of Mining Engineers.

He is survived by his wife, Rosalie; three children, William, Christopher, and Kathleen; and two step-children, Terry Tate and James Queen.

• We are all glad to know that HANK WASUNG has recuperated nicely from his recent heart attack. All his friends at the Annual Business Meeting & Dinner signed a card wishing him well. On May 12th Hank wrote the Executive Secretary of The Moles a note in which he expressed his feelings and gratitude. *"Dear Arline, The signed 'Best Wishes' card from the May business meeting arrived here at the hospital just before lunch. It took the larger part of the hour for me to see clearly and for the tight feeling to leave my throat so that I could eat some of the food off my plate. The thoughts expressed by my peers on the card gave me an emotional high that I'm going to have to live very long to overcome. I shall not be able to thank everyone personally because I'm still restricted in my activities but am making an excellent recovery according to my doctor. To you, your husband, officers and membership of The Moles my thanks and gratitude."*

• The card with 'well wishes' from many Mole members sent to EDDIE MAHONEY received the following response at The Moles' office the other day: *"Dear Arline, Please forgive me for not writing sooner to thank you for your last letter with signatures of a lot of the boys. It was appreciated and brought a lot of fond memories to me. Hope that both you and your husband are enjoying the best of health. I am walking lame, doctor states no cure, so will do the best I can, it could have been worse. If you get down this way the address is on the letterhead and you and yours are very welcome. Remember this! Please say hello to all of the 'old timers' for me. With sweet memories. As ever, Eddie"*.

• AL WARWICK also responded to the card sent to him. Al says, though his eyes are bad and he can't see very well, he was able to recognize a great many of the names on the card.

### JOHN P. MOSS (Continued)

for General Contractors, Director of the Alabama branch of Associated General Contractors and Director of the Alabama Safety Council.

Mr. Moss is survived by his wife, Mariellen; a son, William W.; two daughters, Mrs. B. Campbell Blake, Jr. and Mrs. James H. Sims; and eight grandchildren.

## ASCE

### Golden Jubilee

Officially established October 13, 1925, the Construction Division of the American Society of Civil Engineers is celebrating its Golden Jubilee during the Society's National Meeting in Denver during the week of November 3rd this year. The second largest technical division of the Society's twenty divisions and councils, the Construction Division represents better than 19,000 of ASCE's 70,000 members. Highlighting the week's festivities is the Golden Jubilee Honorary Committee that has been formed composed of many notable engineers in the construction industry of which about 50% are members of The Moles. The four hundred + membered committee is chaired by Carl B. Jansen and includes: William D. Alexander, Ralph W. Atwater, Stephen D. Bechtel, Wilson V. Binger, Harold Blauvelt, Louis F. Booth, Weldon S. Booth, George R. Brown, Dugald J. Cameron, Gerard J. Carty, Eugene F. Casey, William H. Casey, Joseph Cataldo, James Caywood, Arthur Chase, Bradford Clark, Kenneth Clark, Frederick Clarke, Lucius D. Clay, William F. Collins, Peter Corradi, Lou R. Crandall, A. Holmes Crimmins, Leland H. Crosby, George Dandrow, Marshall Dean, Charles Defendorf, William Denny, Ralph DeSimone, Salvatore DeSimone, Robert Dickey, III, Albert DiGiacinto, Howard Dixon, Howard Dixon, Jr., Robert Dodds, John Donargo, Stanley Dore, Walter Douglas, John Downs, Charles M. Duke, William E. Dunn, William A. Durkin, Jr., Walter M. Enger, Edward B. Fitzpatrick, Jr., George Flay, Herbert Fletcher, Edward W. Foley, Jr., Arthur C. Ford, Arthur J. Fox, Jr., George A. Fox, Gerard F. Fox, Leon Fraikin, Leland B. Fraser, Victor Frenkil, Clarence Gallimore, Charles Guild, Richard L. Hearn, A. D. Hunter, Gerard M. Gausa, James M. Gavin, Ben C. Gerwick, Jr., Eugene F. Gibbons, Sidney P. Gilbert, William Gingerich, Howard Gould, Edward Grandle, Harry Halloran, Alfred Hedefine, William Hiltabidle, Sidney Houck, Arthur Hrbek, Irv R. Huie, Hal W. Hunt, Frank Hurka, A. C. Husband, Elmer B. Isaak, Robert L. Jackson, Robert B. Jewell, Robert C. Johnston, Eugene D. Jones, Raymond A. Jones, Louis S. Joseph,

(Continued on Page 12)



## GOLDEN JUBILEE

(Continued from Page 11)

Edgar F. Kaiser, Martin W. Kehart, Joseph Kellogg, Arthur J. Kenlan, John R. Kiely, John C. King, Peter Kiewit, Robert D. Klemme, Gail B. Knight, Harold Kramer, Neil Krumwiede, Thomas Kuesel, Daniel M. Lazar, Urban D. Leimkuhler, Henry F. LeMieux, Robert Lenz, Leon Levy, Robert Lincoln, Richard Loughney, Alfred C. Maewis, Albert Maiorano, Robert Marshall, George Martin, James Martin, Henry J. Massman, III, Albert A. Mathews, Frank McCabe, Gerald T. McCarthy, Terence G. McCusker, Robert C. McDowell, Charles E. McGraw, Donald B. McKinley, William J. McPhillips, Howard P. Maxton, Stanley Merjan, W. A. Milbury, Charles B. Molineaux, Rino M. Monti, Ben Moreell, Robert Moses, William H. Mueser, Norman A. Nadel, James Nelson, Paul Oberleitner, Gerald O'Connor, John O'Neill, Patrick O'Neill, Ray F. Pape, James D. Parsons, Ellis E. Paul, Frank H. Peavey, Eugene Peltier, Joseph Peraino, Edward Petrillo, Donald Phinney, Francis Pierce, Emil V. Pilz, James Pinnell, August Pistilli, W. E. Potter, Edmund A. Prentis, III, Mason Prichard, James Reck, Richard Redmond, Albert Reichmann, George Reider, Charles Riddle, Warren Riker, Philip C. Rutledge, Arthur Sackett, Reuben Samuels, Horace Sawyer, Henry Schmeckpeper, Henry Schwartz, Sidney Scisson, William Shechan, Kenneth Sheppard, David Smith, Robert Smith, Vincent Smith, John P. Sault, Ray N. Spooner, Richard Stephens, J. Rich Steers, Samuel D. Stickle, Clifford S. Strike, Nello L. Teer, Stephen D. Teetor, Howard S. Turner, Garland Tinsley, Richard Tunstead, Joseph Ungerer, Leonard E. Van Houten, Thomas G. Van Houten, Rudi van Leeuwen, John A. Volpe, S. Peter Volpe, Jack Walle, Harry Wartur, Herbert Wasserman, Henry Wasung, Jacob Wegweiser, Lewis C. Wellman, Paul M. Wentworth, David Werblin, Gustave Werner, Edward White, Robert White, Carlin Whitesell, Arve S. Wikstrom, Lyman D. Wilbur, Dwight W. Winkelman, Robert Winters, Jay Winterberg, Abel Wolman, and Alden Yates.

## Holing Thru



Mining of approximately 17,000 ft. of 10' tunnel for an interceptor sewer has recently been completed on Staten Island. Richmond Constructors a joint venture sponsored by Grow Tunneling mined 7,000 ft. of soft ground and boulders with one machine and two headings from a central shaft. Peter Kiewit Sons Co., mined 10,000 ft. of soft ground and rock with two machines from a central shaft. Both tunnels were mined with conveyors, shields and diggers that were completely operated by hydraulics. Use of this equipment represents a "FIRST" in this area.

