

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

JULY, 1968

1968 Annual Business Meeting



Retiring President, ROBERT CRIMMINS accepts framed illuminated and engrossed Past President's Certificate from The Moles' President for 1968, HOWARD GOULD, at the Annual Business Meeting and Dinner held May 1st.

THE MOLES' Thirtieth Annual Business Meeting and Dinner was held on Wednesday, May 1st in the Grand Ballroom of the Biltmore Hotel.

Among the 225 present, 27 were new members who wore their distinctive orange badges and were enthusiastically greeted by the older members during the cocktail hour.

After the traditional "roast beef dinner" was served to the satisfaction of all, President Robert Crimmins called the meeting to order at 8 o'clock. He announced regrets received from those who were unable to attend.

During his greetings to the members he recalled his pride and gratification for having had the privilege of serving the Association and expressed his regret that he was addressing them as their president for the last time.

(Continued on Page 2)

The Moles' ANNUAL CLAMBAKE

•
Monday

August 12, 1968

•
**TAMMY BROOK
COUNTRY CLUB**

**Cresskill
New Jersey**

Once again the beautiful Tammy Brook Country Club in Cresskill, New Jersey will be the setting for The Moles' annual clambake scheduled for Monday, August 12th.

Those who attended last year will recall the olympic size pool at Tammy Brook, unique with its two levels, the upper for diving which offers the ultimate in swimming enjoyment. Exclusive use of the pool for the day for Moles and their guests is included in the price of your clambake ticket.

A private 18 hole golf course rolling over the picturesque slopes of the Pali-

(Continued on Page 5)

ANNUAL MEETING

(Continued from Page 1)

MOMENT OF SILENCE — Bob requested the members to rise and observe a moment of silent prayer for those members who had passed away since the last May meeting. They were: William Briegel, John A. Carmody, Edward Ehrbar, George F. Ferris, Robert Ferris, John H. Gill, Irving W. Hadsell, Edward J. Johnson, George J. Landers, W. Linus Martin, Edward F. O'Neill, William F. Quinn and Alex M. Stagg.

NEW MEMBERS — Mr. Crimmins introduced 27 of the 34 new members who were present. Group photos of those present appear on pages 6 and 7 together with a brief biographical sketch of all 34. Mr. Crimmins made mention of the fact that there were seven sons of Mole Members elected members this year, they are: James C. Armitage, son of Edward G. Armitage, Walter F. Conlin, Jr., son of Walter F. Conlin, Sr.; Artemas H. Crimmins, Jr., son of A. Holmes Crimmins; Franklin N. Groves, son of Frank M. Groves; Irving R. Huie, son of the late Irving V. A. Huie (H.M.); Thomas J. Murphy, son of John J. Murphy; and Stirton Oman, Jr., son of Stirton Oman.

President Crimmins also mentioned that new member Lewis C. Wellman came all the way from Honolulu.

AMENDMENTS TO BY-LAWS — Each active member had received, by mail prior to the meeting, a copy of proposed amendments to the By-Laws and President Crimmins called for a discussion prior to a vote. A motion was made by John J. Walsh to accept the revisions as written; Joseph B. Diamond seconded the motion and a unanimous "yea" vote showed the motion carried.

REPORTS OF OFFICERS AND COMMITTEE CHAIRMEN — Arnold Thurber, Treasurer of The Moles submitted the statement of the Association's receipts and expenditures for the period of May 1, 1967 to April 30, 1968. Receipts \$92,765.00, Expenditures \$92,291.08. The cash balance in the operating account as of May 1, 1967 amounted to \$7,262.26 and the cash balance as of April 30, 1968 amounted to \$7,183.83.

Fred L. Doolittle's statement as retiring Secretary was brief. He stated that he had performed the duties of Secretary as outlined in the By-Laws; taken care of correspondence, and arranged for and kept the records of five Executive Committee Meetings. He thanked the membership for permitting him to serve.

President Crimmins presented Mr. Doolittle with the hand engrossed cer-

tificate which is to be presented to all retiring secretaries and treasurers.

Fred accepted the certificate with the statement, "I feel completely unworthy and highly complimented." He said, he accepted it, "on behalf of all the sales category of The Moles who are very proud of the fact that they are full fledged members of a wonderful construction organization."

President Crimmins advised that all living secretaries and treasurers who had served prior to this date would receive a similar certificate at the November 1968 Members' Dinner.

Award Chairman, Jack Murphy reported on a successful Award Dinner held this past January; on the recipients, George R. Brown and Frank M. Groves; and on the speaker, Governor of Massachusetts, John A. Volpe.

Louis F. Booth, Chairman of the Membership Committee reported on the activities of that committee and submitted the status of membership as of May 1st which was: — 475 Active Members; 119 Emeritus Members; 36 Honorary Members; and 2 Founder Members for a total membership of 632.

Program Committee Chairman, A. K. (Burnie) Burnham reported activities of this committee. He related that the Program Committee is responsible for three functions a year; the Clambake, the November Members' Dinner and the Annual Business Meeting & Dinner. He advised that the Clambake held at the Tammy Brook Country Club last August 7th was a huge success for the one thousand Moles and guests.

He further advised that the Clambake to be held this August 12, 1968 would again be held at Tammy Brook Country Club.

He stated that the November Members' Dinner held on November 1, 1967 had an attendance of 230 of which there were 219 members and 11 professors from colleges affiliated with The Moles' Education Committee program. Burnie advised that the attendance at this meeting was 225 of which 27 were new members who were guests of the Membership Committee.

For the Finance Committee, Bob Jarvis submitted the statement of the Permanent Fund. As of May 1, 1968 the Permanent Fund amounts to \$49,537.46.

Phil Brueck, retiring as Chairman of the Publicity Committee reported the duties of the committee and stated that they had been fulfilled over the past year. There were two 12 page issues of *Holing Through* and one 8 page issue. He stated that press releases had been prepared for the various events and that

coverage in the various trade magazines had been good. He advised that it had been a pleasure to serve the past three years as Chairman; thanked the members of the committee and extended his best wishes to the new Chairman.

Gardner M. Bishop reported on the activities of the Education Committee this past year. He related that there were three important functions of the committee (its duty being to interest young civil engineering students in the construction industry) and this is performed in three ways; arrange for "on campus" speakers, arrange for a students' day tour, and arrange summer employment. He reported that several speakers were arranged for this past year (see April issue *Holing Through*). He also advised that a full account of Students' Day which had been held on April 5th could be found in the April issue. Mr. Bishop explained that the Summer Employment Program was once again in full swing and that he hoped more members would employ a student engineer for the summer.

After Charles W. Edgar submitted the certification of the Committee on Elections, President Crimmins introduced the Officers and Trustees elected to serve for the ensuing year. Trustees were: Gardner M. Bishop (Gardner M. Bishop, Inc.) Daniel M. Lazar (Cayuga Construction Corp.) Edward J. Quirin (Frederic R. Harris, Inc.) and Charles A. Richardson (Perini Corp.) The Officers were: Frank G. Zimmator, Sergeant-at-Arms; Reuben Samuels, Secretary; Arnold Thurber, Treasurer; John J. Murphy, Second Vice-President; Frank H. Peavey, First Vice-President; Howard R. Gould, President.

At this point of the meeting, President Howard Gould accepted the gavel from retiring President Robert Crimmins and presented the retiring President with his past president's certificate and pin.

President Gould then greeted the members for the first time as President of The Moles. Howard said, "I am pleased and proud to have been elected the thirtieth President of The Moles. Pleased because construction is my life and there is no place I would rather be than right here! I am proud because I believe The Moles is an outstanding group and consider it an honor to be your President."

Before adjourning the meeting, President Gould spoke a special word of welcome to the new members. He said, "The Moles belong to you, The Moles will only be what you make it and I urge you to attend the meetings, the dinners and make yourselves available wherever possible to serve on committees."

The Moles Officers, 1968-69

HOWARD R. GOULD President

Howard is Vice President of Spencer, White & Prentis, Inc., prominent in the field of underpinning and difficult foundations.

Born in Brooklyn, New York, he attended the New York University, the College of William and Mary and Pratt Institute of Technology.

He has been affiliated with Spencer, White & Prentis since 1940 except for service during World War II. He was a Lieutenant in the United States Navy assigned to the 28th C.B. Battalion. He participated in Europe in the invasion of Normandy and later in the Pacific in the invasion of Okinawa.

Howard enjoys golfing and bowling and his wife Marion participates in both sports with him. His daughter attends college in Vermont and his son enters Monmouth University in Illinois. He resides in Smoke Rise, Butler, New Jersey.

FRANK H. PEAVY First Vice-President

Born in Twin Falls, Idaho, Frank received a Bachelor of Science Degree in Civil Engineering in 1935 from the College of Engineering University of Idaho.

After graduation he worked as a surveyor for the Idaho Power Company and hydro-electric developments on the Snake River in Idaho.

Since 1937 he has been with Morrison-Knudsen Company, Inc., assigned to various projects including the Anderson Ranch Dam in Idaho; construction of underground ammunition depot for the U.S. Navy near Pearl Harbor; the reconstruction of the CVRD Railroad in Brazil consisting of several railroad tunnels and the underground hydro-electric projects near Rio de Janeiro and San Paulo, Brazil. In 1958 he became Assistant District Manager of the Central and South America Division and was made District Manager in 1960, responsible for the company's operations in Central and South America including work in Paraguay, Peru, Chile, Brazil, Panama, and Honduras.

At present Frank is Vice President of M-K's New York International District.

He resides in Noroton, Connecticut with his wife and two daughters.

JOHN J. MURPHY Second Vice-President

After receiving degrees from the University of West Virginia and New York University, Jack was employed, as a young engineer and later superintendent, in the construction of several sections of the Westchester County's Sanitary Sewer System and the State's new highway system. He recalls that in those days these were real large jobs.

In the late 30's he went to work for the Walsh Construction Company under the late, Jack MacDonald and he has been employed by that company since.

Some of the large jobs managed by Jack over the past thirty years include the construction of Camp Edwards, Cape Cod, Massachusetts; U.S. Navy Drydocks at Brooklyn Navy Yard; U.S. Naval Munition Depot, Earle, New Jersey; road, dam, bridge and railroad construction work in Kentucky, New Jersey, Maryland, and New York for Railroad and Utility Companies; Industrial Buildings & Facilities at Fairless Works, Morrisville, Pa.; Sparrows Point, Md.; Midwest Steel, and Great Lakes Steel in the midwest and U.S. Steel in Pittsburgh; The Harriman Newburgh Section of the New York Thruway; Downsview Dam Tunnels for the Board of Water Supply, both in Westchester and Delaware Counties also Orange County in New York State.

In 1955 he was made Vice President and General Manager and in 1965 he was elected President in charge of all their operations.

He has a son, Tom, who is employed by Walsh and who became a member of The Moles this year.

Jack and his wife, Laretta, live in Purchase, New York.

ARNOLD THURBER Treasurer

Arnold Thurber is serving a third year as Treasurer of The Moles. During the period from 1963 to 1965 he served as a Trustee and Chairman of the Finance Committee.

Arnold is Vice President and Chief Engineer for the firm of J. Rich Steers, Inc., and has been associated with them since 1937.

He was born in Boston, New York and attended Ohio Northern University where he earned a Bachelor of Science degree in Civil Engineering in 1929.

The year immediately after graduation was spent as an instructor of Civil En-

gineering at Ohio Northern and later he worked for the New York State Department of Public Works, The New York State Transit Commission and Faircroft Engineering Corporation.

He is married with two children and has been a resident of Staten Island since 1935.

REUBEN SAMUELS Secretary

Rube was born in Suffern, New York in 1926. During 1943 and 1944 he attended Massachusetts Institute of Technology. During 1945 and 1946 he attended Dartmouth College from which he received a Bachelor of Science degree in Civil Engineering.

From Harvard University in 1948 he earned his Masters in Soil Mechanics at the Graduate School of Engineering. During the period from 1951 to 1954 he served as doctoral candidate and teaching assistant to Professors Arthur Casagrande and the late, Karl Terzaghi at Harvard.

Since that time he has been with the Thomas Crimmins Contracting Company and at present he serves as Vice President & Chief Engineer of that firm.

Rube has been a member of The Moles since 1963; and since 1964 has been actively engaged in committee work having served on the Education Committee and as a member-at-large on the Award Committee.

He is a registered Professional Engineer in the states of New York, New Jersey, Connecticut, Pennsylvania, District of Columbia and Massachusetts and is a Fellow of the American Society of Civil Engineers and a member of American Society of Testing Materials, Boston Society of Civil Engineers, Sigma XI and Harvard Club of New York. He is President of the Paramus Board of Education and Bergen County Federated School Boards and is on the Executive Committee of Dartmouth and Harvard Engineering Societies.

He currently resides in Paramus, New Jersey with his wife, Diane, and two children.

FRANK G. ZIMMATOR Sergeant-at-Arms

Zip became a member of The Moles in 1938.

At that time he was affiliated with the Ingersoll-Rand Company in their construction division, having joined that

(Continued on Page 4)

COMMITTEES, 1967-68

President Howard R. Gould has appointed the following persons to serve on the five standing committees for The Moles' year 1968-69.

MEMBERSHIP — Louis F. Booth, Engineer of Construction for The Port of New York Authority, serves another year as Chairman. Mr. Booth is again ably assisted by Daniel M. Lazar, President of Cayuga Construction Corporation who is serving his second year as Vice Chairman. Other members serving on the committee are: C. L. Gallimore — Peter Kiewit Sons' Company, Eugene F. Gibbons — McFarland Johnson Engineers, Inc., Philip S. Miller — Mohawk Constructors, Inc., Gerald A. O'Connor — Raymond International Inc., Richard Q. Praeger — Madigan Hyland, Inc., and Praeger-Kavanagh-Waterbury, Richard A. Tower — J. Rich Steers, Inc., and David A. Werblin — Griffin Wellpoint Corporation.

PROGRAM — A. K. Burnham, Jr., Peter Kiewit Sons' Company is serving

Frank G. Zimmator

(Continued from Page 3)

company in 1929. Earlier, after attending Villanova College, he was connected with contractors in Pennsylvania and New York engaged mostly in heavy rock excavation. For twelve years he was connected with the David Schoentag Company of Saugerties, New York where he worked on the Poughkeepsie Mid-Hudson Bridge and approaches.

While with Ingersoll-Rand he covered many large rock excavation jobs among some were: Lincoln Tunnel and approaches, Sixth and Eighth Avenue subways, Midtown Tunnel, Battery Tunnel, Delaware Aqueduct, St. Lawrence Seaway, Niagara Falls Power Development Projects, and the entire length of the New York Thruway. He also covered numerous foundation projects in the Metropolitan area.

In the early days of The Moles, Zip played right field on The Moles' softball team and served on the Finance Committee. He has always been an avid and active member attending all the functions and dinners and time has not dimmed his interest.

It was said in I-R when he retired in 1960 after thirty-one years of service that many in the sales organization owe much of their know-how to the training they received under Zip's guidance.

He resides in New York City and still keeps very much in touch with the construction industry.

his third year ably assisted this year by Elwood P. Vroome — Vice President J. C. MacElroy Company, Inc., as the Vice Chairman. Other members are: James C. Armitage — Armitage & Co., Inc., John P. Barnes — Tartarus Construction Co., Inc., Louis G. Coakley — Thomas Crimmins Contracting Company, Joseph A. Dooley — New York Trap Rock Corporation, Charles W. Edgar — Walsh Construction Company, G. R. "Bud" Gray — S. J. Groves & Sons' Company, and R. L. Jackson — Great Lakes Dredge & Dock Company.

FINANCE — For his third year Robert B. Jarvis, partner in the law firm of Jarvis & Pilz, heads up this committee. Assisting Mr. Jarvis are committee members. Robert J. Koch — Arundel Corporation, Henry F. LeMieux — Raymond International Inc., Leonard E. Van Houten — Van Houten Associates, and Edward E. White — Spencer, White & Prentis, Inc.

PUBLICITY — Francis A. Vitolo, President of Corbetta Construction Company is the new Chairman. Mr. Vitolo is assisted by Allen D. Fischbach, Vice Chairman of the Board of Fischbach & Moore, Inc., as Vice Chairman. Other members are: W. J. "Joe" Green — S. J. Groves & Sons Company, Donald L. Hensley — Penn Dixie Cement Corporation, Sidney A. Houck, Jr. — Grove Shepherd Wilson & Kruege, Inc., and Edward A. Tully — Tully & DiNapoli, Inc.

EDUCATION — Gardner M. Bishop, President of Gardner M. Bishop, Inc., serves his second year as Chairman and is assisted once again by Louis W. Hall, Vice President of Turner Construction Company as Vice Chairman. Other members are: Seymour M. Berman, — Underpinning & Foundation Company, Inc., Melvin Febesh — Spencer, White & Prentis, Inc., Martin S. Kapp — Port of New York Authority, Arthur J. Kenlan — Simpson, Brown & Kenlan, Inc. and Gerald D. Sarno — Bethlehem Steel Corporation.

~

Mansell L. MacLean

At press time it was learned that our beloved Past President Mansell L. MacLean died at his home at Larchmont, N. Y. on July 4, 1968.

He will be sorely missed by his fellow Moles as well as by all others engaged in heavy construction.

By his death the Nation has lost a foremost authority on tunnel construction.

MOLES here and there

• Congratulations to VIC HERTSLET who was elected a Vice President of The Arundel Corporation at their April 30th Board of Directors meeting. Vic has been associated with Arundel Corp. since 1946. In his present position he will concentrate on business development activities, not only for the Construction Division of this firm but for the Construction Materials Division as well.

• AL HEDEFINE, President of Parsons, Brinckerhoff, Quade & Douglas has recently been elected a Trustee at Rutgers University.

• A one-volume handbook for Civil Engineers is off the press — published by McGraw-Hill Book Company. Among the many chapters can be found prominent Mole members as authors. A chapter on Design Management was written by RICHARD Q. PRAEGER; Construction Management by JOHN B. BONNY; and Foundation Engineering by EDWARD E. WHITE.

• BOB DODDS has been appointed by The American Society of Civil Engineers as its representative to Iowa State University's annual Marston Medal Board of Award. Bob is a 1937 ISU graduate.

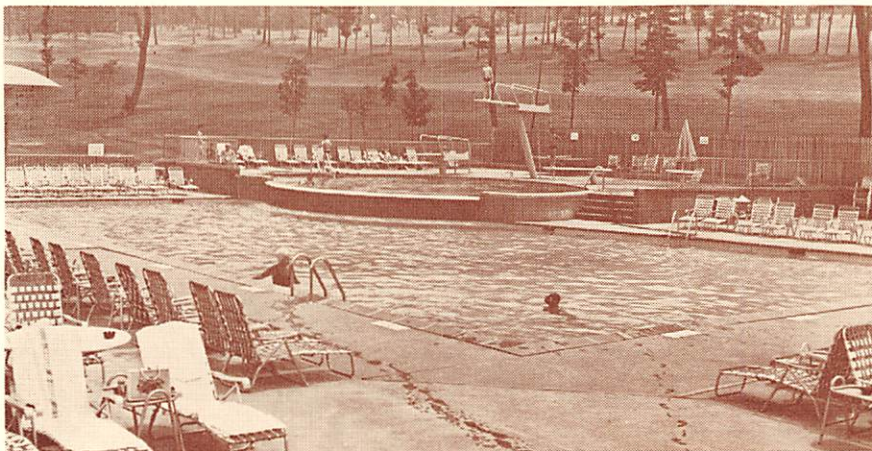
• Congratulations to HENRY F. LEMIEUX who was elected President of Raymond International Inc., at their annual meeting held May 1st. Mr. Lemieux succeeds HENRY C. BOSCHEN who has held the post of President since 1960 and Chairman of the Board since last fall. Mr. Boschén retains the position of Chairman of the Board.

• At a luncheon meeting held on June 20th at the Hotel Commodore JIM MARTIN was presented with a solid gold wrist watch bearing the inscription "James B. Martin from The General Contractors Association 1937-1968." President of the GCA MOSES HORNSTEIN presided over the festivities. The watch was presented by Past President Anthony Gull in appreciation of the outstanding service Jim rendered to the Association. First Vice President EDWARD E. WHITE and General Manager PHILIP F. BRUECK were among those who spoke on Jim's behalf.

He retains the position of Labor Relations Consultant to the Association.



TAMMY BROOK COUNTRY CLUB



Olympic-size pool offers the ultimate in swimming enjoyment.

1968 CLAMBAKE

(Continued from Page 1)

sades will be again made available that day for the exclusive use of Moles and their guests. While golf is not included in the price of your ticket, the fees paid on a cash basis directly to the club are: Green Fees \$7.00 per person, Caddy Fee \$6.00 per bag for 18 holes, Locker Room Attendant \$1.00, Golf Carts \$10.00 plus 3% State Tax.

Starting times for golf will be 7:30 a.m. to 9:30 a.m. and 12 noon to 2:30 p.m.

Golf will be under the control of the Caddy Master Bill Ventura. Telephone him at (201) 567-6648 or 6691 for starting time and other details.

Registration for members and guests for the day's activities start at 11 a.m. For those who go out early for a round of golf we will be happy to see that you are checked in and obtain your badges, caps and luncheon tickets when you return to the clubhouse at noon time.

A bountiful buffet lunch will be served from 11:30 a.m. to 2:00 p.m.

The traditional Shore Dinner will be served promptly at 6:00 p.m.

During dinner, A. K. "Burnie" Burnham, Chairman of the Program Com-

mittee will be on hand to distribute prizes for the winners of the outdoor games which will take place during the afternoon between 1 and 5. They include: Bocci, Golf Pitching, Golf Putting, Spike Driving and Horseshoes.

There will be prizes for the "Longest Drive" and "Closest to the Hole" for the golfers.

Once again the Department of Public Works and The Moles will battle for the President's Cup in the traditional softball game.

Throughout the day, beer will be served free at convenient locations and at lunch and dinner, and bars will be open for other refreshments on an a la carte basis.

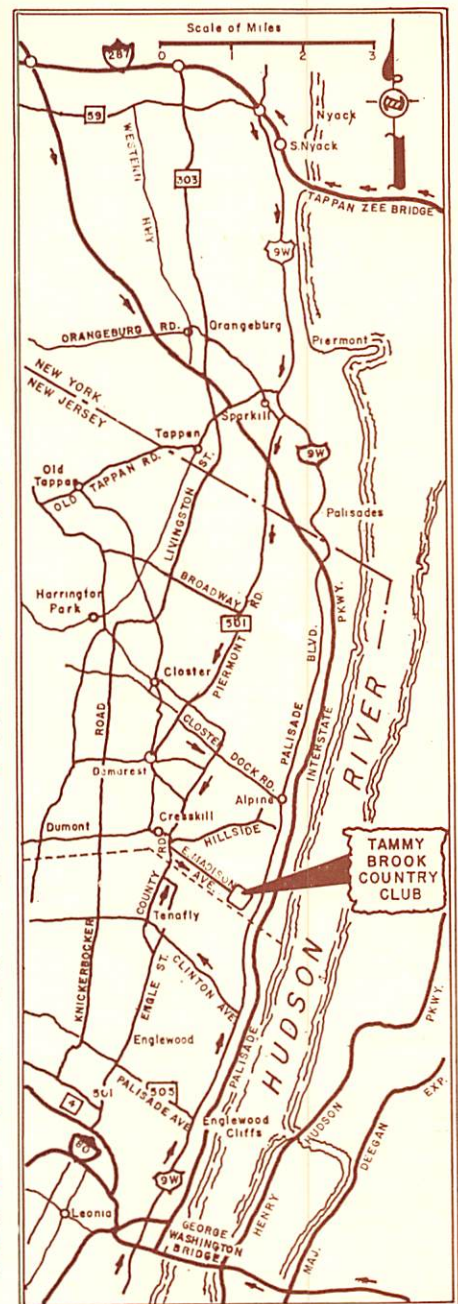
In the ballroom at 9:00 p.m., you are invited to watch a variety show with lots of music, comedy and girls.

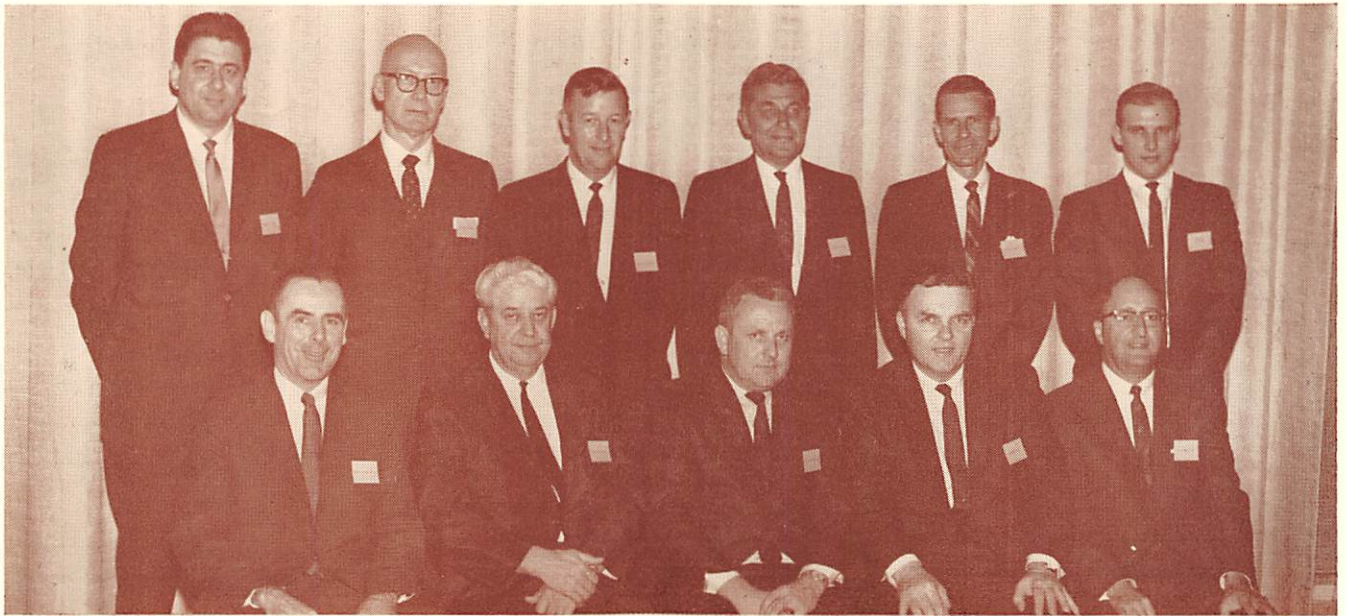
So invite your guests and come on out and spend the day at Tammy Brook at The Moles' Annual Clambake - Monday, August 12th.

You'll be glad you did, because even if you don't swim, play golf, or participate in the outdoor games, the spacious club provides ample room for card games or just visiting with your friends (they'll all be there you know).

DIRECTIONS TO TAMMY BROOK

From the New Jersey end of George Washington Bridge, follow Route 9W north to Clinton Avenue to County Road (Tenafly) to East Madison Avenue (Cresskill) turn right to Club. From New Jersey end of Tappan Zee Bridge, follow Route 9W south or Interstate Parkway to Alpine - Hillside Avenue to County Road (Cresskill) turn left at East Madison Avenue to Club.





L. to R. standing: Robert C. Koch, Sidney A. Houck, Meredith F. Warner, Robert M. Hiener, Edward F. Hess, James C. Armitage. Sitting: Walter F. Conlin, Jr., Lewis C. Wellman, Edward B. Fitzpatrick, Gerard F. Fox, Sidney R. Snider.

NEW MEMBERS

JAMES C. ARMITAGE, Vice President of Armitage & Co., Inc. handles all forms of construction insurance and bonds both domestic and foreign.

Recently a member said of him, "he is an insurance man who thinks like a contractor and has grown knowledgeable concerning problems in the heavy construction field under his dad's training." His dad is, Mole member Edward G. Armitage.

Jim is probably one of the youngest members of The Moles, only 28, but is certainly no stranger to The Moles as many members have known him all his life.

He attended Franklin & Marshall College and Pace College and now resides in Congers, New York.

EDWARD L. CAUSEY, JR., is Executive Vice President of The Hunkin-Conkey Construction Company in charge of all construction operations for them. He studied engineering at Texas A. & M.

His experience covers many major construction projects in various parts of the world. Among them were Conchas Dam, Davis Dam, Friant Dam and Kinzua Dam in the United States; Naval Construction with PNAB on Samoa in 1942 and on Guam in 1947; The Caracas Aqueduct Project in Venezuela; reconstruction of railway tunnels and bridges, highways and airfields in Greece; iron ore developments in Peru

and Canada; and taconite concentration and pelletizing facilities in Minnesota; and presently the Seneca Pumped-Storage Hydro Development in connection with Kinzua Dam, which includes a major tunnel-shaft job.

Ed is a member of The Cleveland Engineering Society, The U.S. Committee on Large Dams, and The Beavers.

WALTER F. CONLIN, JR., is a partner in the consulting structural engineering firm of Severud-Perrone-Sturm-Conlin-Bandel. Dealing mainly with architects, Walter's activities consist of being responsible for projects, for evaluating foundation solutions and problems for many projects in the office, for overseeing the operations of the Computer Department, and for the manpower distribution within the firm.

Since graduation from Worcester Polytechnic Institute in 1945 he has made steady progress in his chosen profession. He is a Fellow of the American Society of Civil Engineers, a member of the American Concrete Institute, New York Association of Consulting Engineers and the Engineers Club.

ARTEMAS H. CRIMMINS, JR., is Secretary-Treasurer for the Thomas Crimmins Contracting Company.

After graduating from Yale University Tony served with the United States Army. He joined the Crimmins organization in 1956 and has worked his way through all phases of the company's work.

Besides his duties as Secretary-Treasurer he purchases all equipment for the company; runs the yard; and is project administrator on some jobs.

He is a Director of the Yale University Engineering Association and the Jacob A. Riis Neighborhood Settlement House.

Tony resides in Cos Cob, Connecticut.

MELVIN FEBESH is Assistant Chief Engineer for Spencer, White & Prentis, Inc. He is responsible for design of underpinning, sheeting, shoring, bracing, pile and caisson foundations and coordinating in the field.

He earned a Bachelor of Civil Engineering degree from New York University in 1947 and his Masters from the University of Illinois in 1948.

He is a member of the American Society of Civil Engineers and Tau Beta Pi.

Mel resides in Merrick, New York.

EDWARD B. FITZPATRICK, JR., President of Tartarus Construction Company, Inc., engaged in Heavy and Marine Construction along the Eastern Seaboard.

Prior to his present association, Ed was with Morrison-Knudsen, Merritt-Chapman & Scott, Spearin, Preston & Burrows and Delee Contracting Corp.

He is a 1954 Bachelor of Science in Civil Engineering graduate from the University of Notre Dame; licensed Professional Engineer in the states of Mich-



L. to R., standing: George Schoepfer, John C. Marthens, Rudy H. Peters, Frank R. McCabe, Joseph W. Trank, Walter L. Schlager, Thomas J. Murphy, Irving R. Huie. Sitting: Arthur Ingram, A. H. Crimmins, Jr., R. D. Klemme, Elmer B. Isaak, Melvin Febesh, Stirtan Oman, Jr., William Hubble.

igan, New Jersey and New York; and Member of the American Society of Civil Engineers. He is currently a member of the National Alumni Board of the University of Notre Dame; and a former President of the Notre Dame Alumni Club of New York City.

Ed resides in Roslyn Estates with his wife Betty and their eight children.

GERARD F. FOX is a partner in the consulting engineering firm of Howard, Needles, Tammen & Bergendoff.

A graduate of Cornell University he earned his Bachelor of Civil Engineering degree in 1948.

He has been responsible for the design of bridges and highways throughout the country a few of which are; Newark Bay Bridge, Cooper River Bridge and Delaware Memorial Bridge.

Mr. Fox is active on committees of the American Society of Civil Engineers, Welding Research Council, AREA and Highway Research Board. He is a member of the American Society of Civil Engineers, American Concrete Institute, Prestressed Concrete Institute, International Association of Bridge & Structural Engineering and American Railway Engineering Association.

He resides in Garden City, N. Y.

FRANKLIN N. GROVES is Treasurer & Vice President of the firm founded by his grandfather, the S. J. Groves & Sons Company, headquartered in Minneapolis, Minnesota.

Frank earned a BBA in 1954 from the University of Minnesota and upon graduation served a tour of duty with the U.S. Air Force. He immediately became actively engaged in company affairs upon his release from the service in 1956.

He is a member of the Beavers, Phi Beta Kappa and Beta Gamma Sigma, and the Minneapolis Athletic Club.

Frank resides in Wayzata, Minnesota.

ALVAN K. GUSTAFSON is Vice President in charge of heavy construction for Raymond International in the Africa, Europe area. Gus has a BSC from Brown University and an ME from Yale University.

In the span of years he has worked for Raymond he has been connected with most of their heavy engineering projects; dams, bridge foundations, railroad construction and waterfront structures.

He resides in Cranford, New Jersey.

EDWARD F. HESS is manager of Contractor Sales for the Forest Products Division of Koppers Company, Incorporated with offices at 430 Park Avenue, New York. Since joining Koppers in 1947, Ed has served in various capacities in Pennsylvania, Alabama, Kansas City, New York and New England. In his present capacity he is responsible for sales and development of Pressure treated Foundation and Marine Piling, Timber and other Pressure treated Forest Products.

Ed majored in Engineering at the University of Pittsburgh and obtained his B.A. degree from Fairleigh Dickinson.

He is a member of the American Wood Preservers' Association, Chairman of the Eastern Division of the American Wood Preservers' Institute and Past President of the New Jersey Junior Chamber of Commerce.

He resides with his family in Little Silver, New Jersey.

ROBERT M. HEINER is Vice President in charge of the Eastern District for Heavy Construction at Walsh Construction Company. He has been associated with the Walsh Company for over twenty years.

Bob has a Civil Engineering degree from the University of Cincinnati which he earned in 1940.

He is a member of the Society of American Military Engineers.

Bob resides in Greenwich, Connecticut.

SIDNEY A. HOUCK, JR., is Secretary-Treasurer of Grove Shepherd Wilson & Kruege, Inc./MacLean-Grove & Company, Incorporated/Grove International Corporation. He has the responsibility for the financial administration of each of those companies, which engage in diversified building, heavy engineering and tunnel construction domestically and abroad.

(Continued on Page 8)

NEW MEMBERS

(Continued from Page 7)

Sid attended the college of the City of New York where he majored in Business Administration.

He is a member of the American Society of Military Engineers and resides in Yonkers, New York.

WILLIAM R. HUBBLE is Manager of Construction Sales for Hercules, Inc. He works closely with contractors in the field of explosives for the heavy construction industry.

He earned a B.A. in 1951 from Emory & Henry College.

Bill is a member of the New York Athletic Club, the Beavers, Wilmington Association and the Hercules Country Club.

IRVING R. HUIE is Executive Vice President for Eastern Operations of the Perini Corporation.

He received a Bachelor of Civil Engineering degree from Rensselaer Polytechnic Institute in 1950.

He served in the United States Army Corps of Engineers with the rank of First Lieutenant.

Mr. Huie joined Perini in 1953 and has been involved in many large and difficult construction projects for this company.

A prominent member recently said, "Irving represents a background of qualifications and experience, and a capacity for achievement which is all too rare in our industry."

He is a member of the American Society of Civil Engineers.

Irving is the son of beloved Honorary Mole Member, the late, Irving V. A. Huie.

He resides in Framingham, Massachusetts.

ARTHUR A. INGRAM is the President and Chief Executive Officer of Ingram & Greene, Inc., the Long Island City firm engaged in construction of difficult foundations involving underpinning, dewatering, shoring, etc.

He has a B.S. from City College of New York which he earned in 1935 and a B.C.E. from Polytechnic Institute of Brooklyn which he earned in 1941.

He is a member of the National Society of Professional Engineers and American Concrete Institute.

Mr. Ingram resides in Roslyn Heights, New York.

ELMER B. ISAAK, Project Manager and a Director of Madigan-Hyland, Inc. a prominent firm of consulting engineers for design and supervision of construction for highways, expressways, bridges, waterfront facilities etc. He has also directed activities in South America for Madigan-Hyland affiliates engaged in railroad construction and rehabilitation.

Mr. Isaak is a graduate of Cornell University from which he received his AB in 1933 and a CE in 1935.

He is a Director and Vice President-elect of the Metropolitan Section of the American Society of Civil Engineers, a member of the New York State Society of Professional Engineers, Cornell Society of Engineers, Regional Plan Association and the Highway Research Board. He recently completed two terms as President of the Parents' Association at New York City's High School of Music and Art.

ROBERT D. KLEMME is a Professional Engineer and Manager Rail and Track Sales at the L. B. Foster Company. Prior to his association with Foster he was the Boston Area Manager of Armco, Metal Products Division, specializing in foundation products.

He has a Bachelor of Science degree in Civil Engineering from the University of Tennessee which he earned in 1953 and is a licensed engineer in Ohio and Massachusetts.

He is a member of the National Society of Professional Engineers and the American Society of Civil Engineers.

Mr. Klemme resides in Brooklyn Heights, New York.

ROBERT C. KOCH is Assistant Chief Engineer at J. Rich Steers, Inc. Bob has been active in many important projects including the Throgs Neck Bridge, the Narrows Bridge and the Sunshine Bridge over the Mississippi at Donaldsonville, Louisiana, the offshore radar towers, the Hunts Point & Bowery Bay Sewage Treatment plants, and private and governmental waterfront facilities.

Bob was also responsible for construction designs as well as the actual construction of the prestressed runway extensions at LaGuardia Airport.

He received a B.A. from Queens College and a Civil Engineering degree from Polytechnic Institute of Brooklyn.

Bob resides in Bayside, New York.

CHARLES H. LEAVELL, President of C. H. Leavell & Company general contractors located at El Paso, Texas,

engages in heavy and complex construction throughout the United States. He has been most recently involved in construction of \$1½ million bridge in the Bahamas and another \$17 million worth of building work there. (See E N-R's March 28 issue).

Mr. Leavell's company also is involved in construction of Post Offices on a lease-back basis, and is a partner in construction of Dworshak Dam near Orofino, Idaho.

Mr. Leavell earned a degree in Electrical Engineering from Stanford University in 1933.

He is a native Texan and most active in civic affairs including Director and past president El Paso Treatment and Research Center; Director Young Men's Christian Association; Lee and Beulah Moor Children's Home; and Founder and first president of West Texas Chapter, Associated General Contractors of America.

JOHN C. MARTHENS is President of Offshore Constructors and affiliated companies which own and operate drill platforms which generally are leased to oil companies exploring offshore fields. Mr. Marthens has been active in Offshore since its inception in 1955.

His construction activities commenced in 1930 with The Healy Tibbitts Construction Co. of San Francisco from which he retired in 1967 having been president and board chairman for 26 of the 37 years spent there.

In addition Mr. Marthens is a Director of Raymond International Inc. He earned a Bachelor of Science degree in Civil Engineering in 1927 from the University of Colorado.

Mr. Marthens now resides in Pala, California.

FRANK R. McCABE is Manager, Eastern Machine Sales Division for the Caterpillar Tractor Co., prominent manufacturers of earth moving equipment, headquartered in Peoria, Illinois.

He received a Bachelor of Civil Engineering degree in 1950 from Marquette University.

He is a member of the American Society of Civil Engineers, Triangle Fraternity and Chi Epsilon, an honorary engineering fraternity. In addition he is a Boy Scout Committeeman and President of his parish Board of Education.

Frank resides in Peoria, Illinois.

THOMAS J. MURPHY is an Assistant District Manager for the Walsh Construction Company. As such he is re-

(Continued on Next Page)

NEW MEMBERS

(Continued from Page 8)

sponsible for the construction of several large industrial complexes being constructed simultaneously in the Midwest District.

Tom graduated from the University of Notre Dame in 1953 with a degree in Civil Engineering.

He currently resides at Michigan City, Indiana where he is a member of the local Town Board, the Church Board, and the local Boy Scout Council.

STIRTON OMAN, JR., Executive Vice President of Oman Construction Company, Inc., is responsible for direction of all work of Oman and related joint ventures, both domestic and overseas operations which includes the Oroville Dam and the Afghanistan Highway.

Stirton, Jr., served four years in the United States Air Force after graduating from the Vanderbilt University School of Engineering.

He belongs to many professional societies and is active in civic affairs.

His residence is in Nashville, Tennessee.

RUDY H. PETERS is Vice President of Construction for United Engineers & Constructors, Inc. As such he is responsible for all construction phases of the company in regard to projects which they specialize in such as chemical, utility and steel mill work.

He is a graduate of Newark College of Engineering, having earned a Civil Engineering degree in 1937.

Mr. Peters is a member of the National Society of Professional Engineers; Pennsylvania Society of Professional Engineers; American Society of Civil Engineers; Society of American Military Engineers; and the Engineers' Club of New York City and Philadelphia.

He resides in Villanova, Pa.

ALBERT REICHMANN, is Senior Vice President of Bates & Rogers Construction Corporation.

He graduated from the University of Illinois in 1936 with a B.S. degree in Civil Engineering and since that time has been continuously employed by Bates & Rogers with the exception of a three year period during 1942 and 1945 when he served with the United States Air Force acquiring the rank of Major. He has worked his way through the ranks to his present position in Bates & Rogers starting as a Field Engineer, and continuing on to Superintendent, Chief Engineer and Vice President.

He is active in the American Society of Civil Engineers and is a member of the Western Society of Engineers.

Mr. Reichmann resides in Lake Forest, Illinois.

WALTER L. SCHLAGER, JR., is Executive Officer of Operations and Maintenance for the New York City Transit Authority and Manhattan and Bronx Surface Transit Operating Authority.

Mr. Schlager earned a Bachelor of Science degree in Civil Engineering from Pennsylvania State University in 1940 and is a licensed Professional Engineer in the States of New York and Pennsylvania.

During World War II he served with distinction as an officer in the United States Naval Construction Battalions.

He is a member of the National Society of Professional Engineers and the New York Society of Professional Engineers.

Mr. Schlager resides in Plandome, New York.

GEORGE SCHOEPFER is Deputy Chief Engineer for the Triborough Bridge and Tunnel Authority. As such he is responsible to the Chief Engineer for the construction, operation and maintenance of the Authority's bridges, tunnels and buildings.

He earned a Bachelor of Civil Engineering degree from College of the City of New York in 1951 and is a Professional Engineer, State of New York.

George resides in Staten Island.

SIDNEY E. SCISSON is President and one of the original founders of the firm of Fenix & Scisson. Under his direction, the firm has designed and constructed over ninety percent of all mined underground storage for LP-Gas projects in the United States.

Prior to the organization of this firm he spent six years in design and supervision of construction on various types of engineering construction projects; three years as an engineering officer in the United States Navy on an aircraft carrier; and a year as an instructor in the engineering department at the United States Naval Academy.

He received a Bachelor of Science degree in General Engineering from Oklahoma State University in 1939; and is a registered professional engineer in the States of Oklahoma, Illinois, Ohio, Kentucky and Rhode Island.

Mr. Scisson has prepared and presented numerous technical papers pertaining to underground storage and large diameter drilling for mine shafts and similar uses.

SIDNEY R. SNIDER is Executive Vice President in Charge of heavy construction for The Hallen Construction Co., Inc. He graduated from George Washington University with a B.A. in 1946; and served prior to that in the United States Navy. Mr. Snider has been with Hallen since 1946, first as estimator and engineer; on to Chief Engineer; Vice President to his present position. A member of numerous technical organizations, Mr. Snider is currently President of The Distribution Contractors Association.

For relaxation Sid likes bowling and golf and putting in the garden; and is a member of the Hempstead Country Club, the Mid-Ocean Club, Bermuda, and the Metropolitan Golf Roamers.

He resides in Garden City, New York.

JOSEPH W. TRANK is Secretary-Treasurer of Allen N. Spooner & Son, Inc. He has been affiliated with this firm for the past 28 years and has served in various capacities on his way up among which have been: Timekeeper, Superintendent, Office Manager, Corporate Secretary to his present position. As such he has been thoroughly familiar with all phases of labor relations, office management, and contract negotiations in the field of marine construction.

MEREDITH F. WARNER is Vice President and Chief Engineer for Western Contracting Corporation in Sioux City, Iowa. The firm engages in heavy excavation; structural concrete; highway; airport and canal construction; dredging and marine work. Mr. Warner is responsible for the estimating, engineering and performance of this work.

He spent four years as an officer in the United States Navy Seabees during World War II; and has been with Western since 1946, starting as a Field Engineer.

He earned a Bachelor of Science degree in Civil Engineering from Iowa State University in 1944 and is a registered Professional Engineer in his home state. He is a member of the Associated General Contractors, Chamber of Commerce; and The Beavers.

ERBIN D. WATTLES, President of Dunbar & Sullivan Dredging Co., located in Detroit, Michigan has been affiliated with this company since 1937.

He received an engineering degree from Cornell University in 1937 and since has devoted his business life to the dredging and marine construction industry. As an Officer and Director of

(Continued on Next Page)

NEW MEMBERS

(Continued from Page 9)

this company for over 20 years, Mr. Wattles has successfully guided this company in the performance of a large volume of major dredging projects on the Great Lakes, Ohio and Mississippi Rivers.

He is a Past President of the National Association of River & Harbor Contractors; and the Propeller Club of Detroit.

Mr. Wattles home is in Grosse Pointe Park, Michigan.

LEWIS C. WELLMAN is Construction Manager & Assistant Vice President of two subsidiary companies of the Dillingham Corporation. As such he is responsible for securing heavy engineering construction projects throughout the world.

Prior to 1964, and his association with the Dillingham organization, Mr. Wellman has been affiliated with such outstanding construction firms as Guy F. Atkinson Co., J. A. Jones Construction Company, and Diamond Construction Company.

He attended the University of Cincinnati and majored in Civil Engineering. Since then he has completed many Seminars in Contract Law, Contract Administration, and Advanced Professional Management, earth and rock fill dams and tunnel and shaft excavation. Mr. Wellman has lectured at Stanford Graduate School and written articles for professional publications. He has been credited with many firsts and is the holder of patents.

Mr. Wellman is a member of the American Society of Civil Engineers; The Beavers; the Chamber of Commerce of Hawaii; Society of American Military Engineers; and the United States Committee of the International Commission on Large Dams.

ROBERT D. WILSON is Executive Vice President of the Peter Kiewit Sons' Co., and as such is responsible for all construction operations of the company. Prior to his assuming this position he was assistant to Mr. Peter Kiewit and operational sponsor of six major operating districts for the Kiewit company. Mr. Wilson has been with the Kiewit organization for over twenty years. One Mole member says of Mr. Wilson "he is a real dyed-in-the-wool construction man and has earned his way up through the ranks."

He has a Bachelor of Science degree in Civil Engineering from Colorado State University which he earned in 1946 and is a registered Professional Engineer in the state of Colorado.

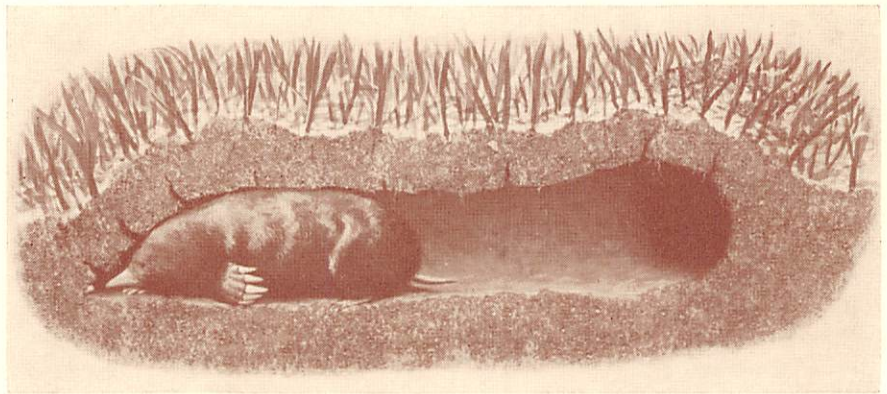


Illustration courtesy Reader's Digest Art Department

MIGHTY MIDGET OF MINING

LEADING MINE ENGINEER. Although the common ground mole does not in any sense practice the doctrine of brotherly love, and is a delinquent father who deserts home and family after the young are born, no one can deny that he is one of the leading mining engineers of the animal kingdom. For carrying out his purpose in life he has been endowed with superb equipment. His powerful, five-toed forepaws, much larger than his hind ones, are an efficient pair of shovels and ideal for excavating tunnels in the earth.

In loose, sandy soil the tunnels of moles have been measured at over a mile in length. I have measured several in ordinary pastureland at over half a mile. Observers of these underground bulldozers and their ways have reported that they have known moles to tunnel a hundred and more yards during a period of twenty-four hours. One mole that I captured and released in different territory completed a zigzag tunnel of thirty-seven yards during that space of time. I timed this one with the sweep-second hand of my wrist watch when I gave him his freedom. It took only eleven seconds to dig himself out of sight. In three minutes he had dug a tunnel fourteen inches long.

A friend of mine who is an enthusiastic golfer and an accomplished player has good reason to believe that a ground mole is a mighty digger. He was competing in an amateur tournament when, on the green of the third hole, he was required to make a long putt. He was in good form that day. The ball was rolling along smoothly and precisely on course for the cup when, about a foot short of its goal, the ground bulged enough so that it missed. That mole's life ended under the clouts of number five all-purpose golf clubs.

"Oh, they were good enough to allow me the putt," he later told me. "But that nasty little pest unnerved me enough so that I wasn't any good for the rest of the game. You say that moles are beneficial to men? I say phooey!"

I know of a social-minded young matron who gave an evening lawn party in honor of her husband's boss who, while circulating among her guests, felt her high French heel sink into a newly-created mole tunnel. Startled, she tried to extricate herself by swinging quickly about. That mortified lady fell flat on her face almost at the feet of her husband's boss. Like my golfing friend, she will never believe a kind word said in the defense of the ground mole.

Regardless of one's personal opinion, the ground mole, for a little creature less than seven inches long in adulthood, is truly remarkable little toiler as he virtually "swims" through the earth with his powerful breast stroke. In my opinion, the best description of his tunneling prowess was given by the naturalist Dr. Robert W. Hegner. Reporting on two moles, one of which dug 68 feet of tunnel in 25 hours and the other 100 yards in a single night, Dr. Hegner said, "To do a proportionate amount of digging a man would have to make a tunnel 50 miles long and large enough for him to crawl through."

The ground mole is indeed the mighty midget of the world of mining and tunneling.

Reprinted with permission from the April 1968 Reader's Digest. Copyright 1968 by The Reader's Digest Assn., Inc. Condensed from National Wildlife, April-May 1968.

• • • A Moment of Silence • • •



EUGENE E. HULT died on May 6, 1968 at the age of 52. He suffered a heart attack at the conclusion of an address he made to the Board of Directors of the Consulting Engineers Council at the Statler Hilton Hotel.

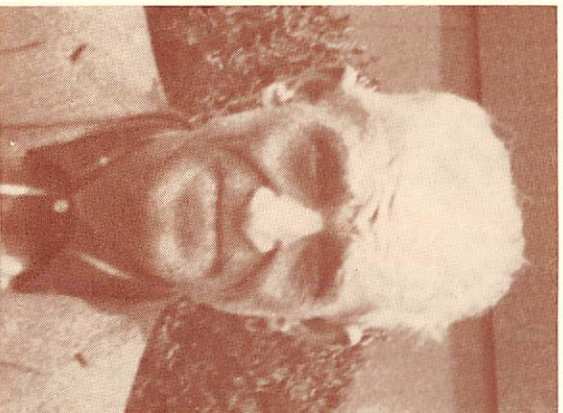
Mr. Hult was appointed New York City's Public Works Commissioner on April 1, 1967 by Mayor Lindsay and was scheduled to head the city's General Services Administration soon to be created. As Commissioner of Public Works, Mr. Hult headed a department of 23,000 employees and directed the construction of most public buildings. He was also charged with running the city's anti-water pollution program and maintaining about 50 toll-free bridges.

A native of Chicago, he attended Carthage College in Illinois, majoring in pre-engineering courses.

Prior to his appointment as Commissioner he was Executive Director of the office of school buildings of the Board of Education supervising the largest school construction program in the city's history. Before joining the Board of Education in 1962, he served for seventeen years as building consultant to the Roman Catholic Archdiocese where he was responsible for the design and construction of scores of schools, hospitals and religious buildings in New York.

Mr. Hult was active in the Catholic Youth Organization of New York Council, Boy Scouts of America. In 1966 he received the Distinguished Public Service Award of the National Consulting Engineers Council.

He is survived by his widow, Mrs. Sara B. Hult and four children.



GEORGE H. HOLLERITH died suddenly on June 6, 1968. He had been in poor health for a few years and had been hospitalized several times during this period. He was 59.

After attending Columbia Engineering School George was hired by Sarrett Bros. and Eken in 1927 and worked on the New York Life Building as a layout engineer. He worked for several years as a surveyor and then as an engineer on many parks projects.

He served as assistant to the late Mole member Richard M. Johnson on Randall's Island Stadium, Orchard Beach and Split Rock Golf Course; was later assigned to filling of the North Beach Airport now known as La Guardia; and on construction of the lower East River construction of lower East River Drive. During this period, in 1940, George became a Mole member.

For the Foundation Company he served as job engineer; field engineer; structural engineer, and assistant chief engineer. He was engaged on the structural design working drawings for a power plant in Greece, numerous industrial plants, drydocks and bridges. He was in charge of the structural working drawings design and detail for Stage I of the foundations of the Chase Manhattan Bank.

In 1960 he was in charge of design for the Boston Commons Underground Parking Garage.

During the recent years he was employed by Maclean Grove and Company and other contractors on estimates and methods planning engineering.

George is survived by his wife, Florence and his mother.



HOWARD A. COLLINS died of a heart attack at his home in Larchmont, New York, on May 16, 1968, at the age of 70.

At the time of his death Mr. Collins had been president of the H & P Excavation and Foundation Company, Inc. Previously he was president of the Howard Collins Construction Company an excavation and foundation construction firm which he founded in 1945.

The company bearing his name performed excavation and construction work for Port of New York Authority Bus Terminal at Eighth Avenue and 41st Street, Time & Life Building, Rockefeller Center, the building which replaced the old Hippodrome at 43rd Street and Avenue of Americas, The New York Times West Side Plant, Equitable Life Assurance Society Building and numerous other Manhattan structures.

After serving in the Army in World War I, Mr. Collins joined the Godwin Construction Company in Manhattan also an excavation firm, in a minor capacity and later became a superintendent.

Howard Collins was President of The Moles in 1958 and served as the 36th President of The General Contractors Association in 1962. He was prominent in the Cardinal's Committee of the Lally for Catholic Charities of the Roman Catholic Archdiocese of New York. He was a former Trustee of Iona College and was a Knight of Malta.

He is survived by his widow, Mrs. Florence M. Collins, two sons, four daughters, two sisters and twenty-three grandchildren.



Hon. John A. Volpe, Governor of Massachusetts receives Honorary Membership in The Moles from President Robert Crimmins on January 24, 1968 at The Annual Award Dinner held at the Waldorf-Astoria.



Nick Cifelli, Highway Engineer (construction) New Jersey Dept. of Transportation, explains bridge deck construction over the Penn Central RR Waverly Yards for the interchange complex of Route 78, to a group of students at The Moles' Students' Day Field Trip April 5.



Henry C. Boschen presents Non-Member Award to George R. Brown.



Another group of students at track level look at foundations for elevated structure at Waverly Yards on April 5th.



Peter Kiewit presents Member Award to Frank M. Groves.



Fred L. Doolittle, retiring secretary receives past-secretary's certificate from retiring president, Robert Crimmins at the Annual Business Meeting and Dinner held on May 1, 1968.