



HOLING THROUGH

December, 1944

FRANK CROWE AND WILLIAM McMENIMEN WILL RECEIVE
MOLES 1945 CONSTRUCTION AWARDS AT FEB. 7 DINNER



FRANCIS T. CROWE

"Dam Builder Extraordinary" might well serve as a title for Frank Crowe, to whom credit belongs for construction of some of America's greatest dams.

The Canadian-born engineer was graduated from the University of Maine in 1905, with the degree of B.S. in Civil Engineering and 30 years later was awarded the honorary degree of Doctor of Engineering by that institution. Upon graduation, he undertook various engineering jobs and shortly became associated with the U.S. Bureau of Reclamation.

In the pre-World War I years he worked on several noted dams, including Jackson Lake, Arrowrock and McDonald Lake. As first assistant to the superintendent of construction on Arrowrock, which

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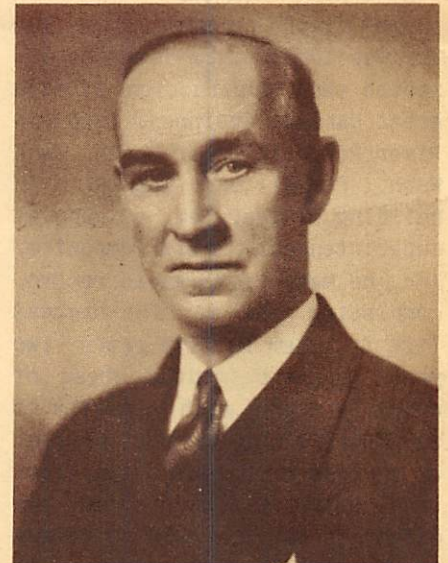
Francis T. Crowe, constructor of Boulder Dam, and William V. McMenimen, builder of Pacific naval bases, will receive Awards "for outstanding contributions to construction progress" given each year to a non-member and a member by The Moles. Formal presentation will be made at a dinner meeting at the Roosevelt Hotel Feb. 7, at which Award Committee Chairman Edmund A. Prentis will preside.

MOLES INSTALL JOHNSON AS NEW PRESIDENT

OTHER OFFICERS ARE:
WARWICK, SPENCER, MAHONEY,
HANLY AND ATWATER

At the annual business meeting for members only at the Roosevelt Hotel, New York, Nov. 1, Arthur A. Johnson, who has served successive terms as second and first vice-president, was installed as the newly elected president of The Moles, succeeding Jack MacDonald. In handing over the gavel, Jack said that he considered it a high honor to have served as "head of a gang of the boys I've been working with and competing with, and know well enough to call every one of them by his first name". In reply Arthur Johnson stated that he valued more highly than any office he has ever held--and he has held a great many in business, civic and construction organizations - "This top job in The Moles, which includes in its membership the leading men of the construction industry".

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WILLIAM V. McMENIMEN

Navy bases throughout the Pacific are products of the executive and construction skill of William V. McMenimen. As chairman of the Executive Board of the group of eight contractors responsible for the huge undertaking known as Pacific Naval Air Base Contractors, he has aided in the development of bases from Manila eastward.

Mr. McMenimen began his career in 1904 as a rodman on the Hudson-Manhattan Railway (McAdoo) Tunnels and three years later was made general superintendent of the construction of all tubes and tunnels on this project. During his tenure four tunnels were built under the river, as well as approaches both in New York and New Jersey, together with the Newark extension.

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Published occasionally by

The MOLES

11 West 42nd St., New York, N. Y.

An organization of construction men experienced in the building of tunnels, subways, sewers, foundations, marine and other heavy structures.

was for 20 years the world's highest dam, he designed a comprehensive concrete conveying and distributing system, as well as a then unique pipe system for the pneumatic transportation of cement. Before terminating his connection with the Bureau, he became general superintendent of construction, office of the chief engineer, at Denver, Colo.

As field representative for various contracting firms, he directed the construction of such great dams as Guernsey, Deadwood River, Boulder, Copper Basin, Gene Wash, Parker and Shasta. In building Boulder Dam, as general superintendent for Six Companies, Inc., he made a remarkable record, completing the world's highest (726 ft.) dam in five years - two years and two months ahead of schedule - and with a profit of \$10,000,000, or over 25 percent of the cost of construction. Fortune Magazine stated: "To the extent it can be said to belong to any single man, Boulder was Frank Crowe's triumph."

After Boulder came Parker, the deepest (150 ft.) concrete dam ever built. This presented him with the unusual problem of building a major structure with two-

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NEW OFFICERS (Cont. from pg. 1)

By unanimous vote the members approved a revision of the organization's by-laws, recommended by a committee headed by Charles B. Spencer, providing for holding the Annual Business Meeting on the first Wednesday in May instead of in November. This change carries with it the stipulations that officers, trustees and committee members elected at the Nov. 1, 1944 annual business meeting shall continue to serve until May, 1946 and that in future the organization's fiscal year shall end on April 30.

After James A. Norton had re-

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In 1911 he became general superintendent for the Raymond Concrete Pile Co., of New York, and was in charge of construction of a large reinforced concrete ore-loading dock at Marquette, Mich. He also directed the building of unloading ore docks for the Wisconsin Steel Co. in South Chicago.

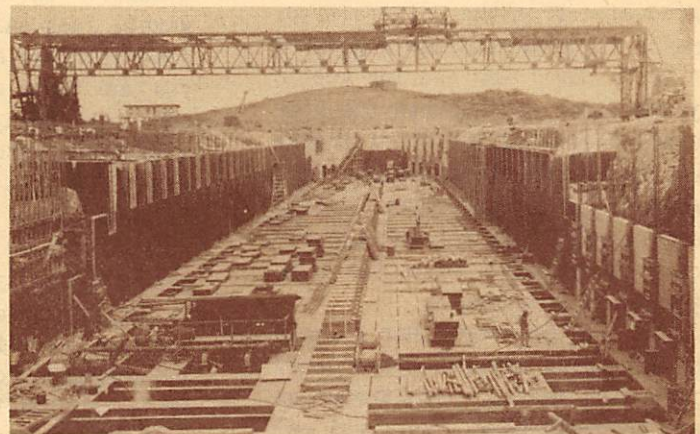
In 1913 he became vice-president and general manager of the Dock Contractor Co. Starting on a shoestring, he made this company into a going concern. Among the contracting operations he directed are included a four-track section of the New York subway from Houston St. to 15th St.; a two-track section of the subway on Nostrand Ave. from Church to Flatbush Aves., Brooklyn; installation of a pumping plant for the Eastman Kodak Co., at Charlotte, N.Y., a section of the Passaic Valley sewer of Paterson, N.J., and complete construction of the hydro-electric plant of the Rochester Railway Light & Power Co., of Rochester, N.Y., which cost about \$3,000,000.

He resumed his association with the Raymond Concrete Pile Co. in 1918, as vice-president and general manager, the post he now holds. Since then he has had

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SHASTA DAM in California is Frank Crowe's latest achievement. Second only to Boulder in height, this 602-ft. high structure ranks next to Grand Coulee as the second largest masonry structure in world from standpoint of cubic yards of concrete, containing 6,000,000 yd.



CONSTRUCTION of graving dock in Caribbean Area was directed by William McMenimen. It is 633 ft. long inside the caisson gate and 85 ft. wide between fenders. An unusual feature is the use of precast slabs in floor and sidewalls. With it were built a repair pier with an approach pier and moorings for a floating drydock.

ported for the committee appointed to canvass ballots in the annual election of officers and trustees the slate submitted by the Nominating Committee, headed by J. Rich Steers, Jr., was unanimously approved. They are:

President: Arthur A. Johnson, (The Arthur A. Johnson Corp.)

First Vice-President: Alfred N. Warwick (Eugene F. Warwick, Inc.)

Second Vice-President: Charles B. Spencer (Spencer, White & Prentis)

Sergeant-at-Arms: Edward J. Mahoney (Mahoney-Clarke Co.)

Secretary: William W. Hanly, Jr. (Koppers Co.)

Treasurer: Ralph W. Atwater (Shultz Dredging Co.)

Trustees: William McMenimen, (Raymond Concrete Pile Co.); Hamilton O. Penn (H. O. Penn Machinery Co.); Carlton S. Proctor (Moran, Proctor, Freeman & Mueser); Robert K. Tomlin (Construction Methods); Frank W. Barnes (Merritt-Chapman & Scott Corp.); Edmund A. Prentis (Spencer, White & Prentis, Inc.)

Edmund A. Prentis (Awards Committee) announced the selection of Frank T. Crowe for non-member and William V. McMenimen for member Awards. William W. Hanly, Jr. (Membership) reported a total membership of 295. James E. Gibbons (Finance) recorded the healthy financial status of The Moles; Alfred N. Warwick (Program) described the successful arrangements made for the organization's several dinners and entertainments. Robert K. Tomlin (Publicity) told of the extent to which news of The Moles had been published by the daily press and the engineering magazines. Ralph W. Atwater (Secretary-Treasurer) covered the administrative work.

The meeting concluded with brief remarks by two newly elected members, Capt. Thomas A. Scott, of Merritt-Chapman & Scott Corp., and Robert P. Bayard, of Johnson, Drake & Piper, Inc.

HEADS AWARD COMMITTEE



Choice of The Moles' member and non-member to receive the 1945 Construction Achievement Awards was made by a committee headed by Edmund A. Prentis, of Spencer, White & Prentis, Inc., who received 1942 member Award.

FRANK CROWE (Cont. from pg. 2)

thirds of its height under the original river level. He also directed construction on several projects of the Los Angeles River Aqueduct for the Metropolitan Water District of Southern Calif.

In 1939 he became general superintendent for Pacific Constructors, Inc., on the 602-ft. high Shasta Dam, second highest concrete dam ever built. The unique concrete pouring system for this dam involved a 460-ft. high headtower from which seven cableways led to the tailtowers.

Early in 1944 he was elected to honorary membership in the American Society of Civil Engineers, of which he has been a member since 1910.

WILLIAM MCMENIMEN (Cont. from pg. 2)

direct supervision over construction aggregating in excess of \$246,000,000, including difficult foundations, borings, drydocks, hydro-electric developments, marine shipways, tunnels, and flood conservation. Among his major peacetime undertakings were the Lake Pontchartrain and San Mateo

NEW COMMITTEES NAMED BY PRESIDENT JOHNSON

After taking over the gavel from Jack Macdonald at the annual business meeting Nov. 1, President Arthur A. Johnson announced the appointment of the following chairmen and members of The Moles' standing committees:

AWARDS: Edmund A. Prentis, Chairman (Committee includes officers, trustees, and members of standing committees)

MEMBERSHIP: Luther G. McConnell, Chairman. Thad Broadrick, Timothy G. Griffin, Hal W. Hunt, Harry A. Leeuw, James B. Martin, Albert D. Saunders, Ray N. Spooner, Harry F. Van Wagner.

PROGRAM: Hamilton O. Penn, Chairman. Herbert Giles, Forrest L. Jenkins, Richard M. Johnsen, Frank McCullough, John I. McDonald, James A. Norton, James F. Salmon, Richard P. Stokes.

FINANCE: James E. Gibbons, Chairman. Aaron Burros, Thomas Crimmins, George Miller, Eugene F. Moran, Jr.

PUBLICITY: Robert K. Tomlin, Chairman. Edward J. Duffy, Gilbert M. Ramsey, Charles E. Simmons, Thomas W. Smith, Vincent B. Smith.

"HOLING THROUGH" TURNS UP IN ITALY

A copy of the January issue of "Holing Through" was received by Arthur Johnson from Italy this summer. The accompanying letter said: "The enclosure was found on this beachhead through a friend, Major Lenahan, and it gave me such a kick that I thought I would drop a note to you."

Lieut. Colonel John J. Toffey, who wrote this letter, was a few weeks later reported killed in action in Italy.

bridges and the piers for the San Francisco-Oakland Bridge.

Naval construction for the PNABC group has, up to the present time, exceeded \$1,125,000,000. They have constructed bases at Guam, Wake, Midway and Hawaii.



DIGGING IN as new officers of The Moles are (left to right): Treasurer Ralph Atwater, Secretary Bill Hanly, First Vice-President Al Warwick, President Arthur Johnson and Second Vice-President Charles Spencer. They were installed at November business meeting.

KEN DOANE RECOMMENDED FOR LEGION OF MERIT

Commander Kendric P. Doane, formerly with the White Construction Co., was recommended for the award of a Legion of Merit in recognition of his work on the Munda Airfield which included construction of necessary airfield and housing facilities and an all-weather road network.

ARMY ENGINEERS MAIL BAG

Major Kenneth A. Sheppard, formerly with White Construction Co. and George & Lynch Co., writes: "The Moles ballot followed me through several addresses but reached me in two weeks. Ladd Field is quite an establishment and some different from the Aleutians where I spent about 1½ years. We had a fine summer and have just gotten into the snowy season. Still paving and doing what we can to beat the freeze up."

With the Army Engineers in the Orient is 1st Lieutenant Edward W. Foley, Jr., who says: "I have just received The Moles 1944 Year Book which I did not think would catch up to me in Burma. It is very much appreciated."

CALLING ALL MOLES

Members are urged to send to the Editor of "Holing Through" news about fellow Moles in the armed services. Mail quotations from letters received or brief news items to:

R. K. Tomlin
Construction Methods
330 W. 42nd St., New York

DAN LENAHAN IS GIVEN PURPLE HEART

The Purple Heart has been awarded to Dan W. Lenahan, who is now a major with the 15th Infantry in Italy. In a recent letter, he writes:

"The 1943 Moles Year Book came in the mail today and having arrived in one of those short periods of quiet "between the acts", I spent some interesting time perusing it. Unfortunately, I have not been functioning as a Mole, but as a mountain goat. They clipped me recently with a few fragments but my luck held and it wasn't serious. Give my regards to all the gang."

COLONEL L. J. HENSLEY REPORTS FROM OVERSEAS

From "somewhere in Italy", Lieutenant Colonel Lester J. Hensley wrote to a fellow Mole the letter from which the following excerpt is taken:

"I have been with old "Blood and Guts" on practically all his parties. What really breaks my heart is for a former "sand hog" to be building bridges, when it's tunnels that I've always advocated."



BEHIND-THE-SCENES BUSINESS at business meeting is handled by Miss Irene Lizotte, assistant to the secretary and treasurer.

MORE SHOTS OF NOVEMBER BUSINESS MEETING



GAVEL IS TURNED OVER to The Moles' new president, Arthur Johnson (right), by Retiring President Jack Macdonald.



BEFORE-DINNER CONVIVIALITY is enjoyed by Frank Barnes (left), newly elected Moles' trustee, and John I. McDonald.

ELECTED TO MEMBERSHIP IN THE MOLES SINCE THE LAST ISSUE OF HOLING THROUGH

DAVID REED AGNEW
D. R. Agnew
Box 149
Rainelle, W. Va.

ROBERT B. ALSOP
The Foundation Co.
120 Liberty St.
New York, N.Y.

CHESTER W. CAMPBELL
The Foundation Co.
120 Liberty St.
New York, N.Y.

LOUIS P. CORBETTA
Corbetta Construction Co., Inc.
220 East 42nd St.
New York, N.Y.

ROGER H. CORBETTA
Corbetta Construction Co., Inc.
220 East 42nd St.
New York, N.Y.

CHARLES J. CORR
1119 Widener Building
Philadelphia 7, Pa.

WILLIAM C. DAVIS
Atlas Powder Co.
Delaware Trust Building
Wilmington, Del.

ANTHONY M. DEL BALSO
Del Balso Construction Corp.
220 East 42nd St.
New York 17, N.Y.

WILLIAM DENNY
Merritt-Chapman & Scott Corp.
17 Battery Place,
New York, N.Y.

WILLIAM S. DOWNING
The Foundation Company
120 Liberty St.
New York, N.Y.

FRANK F. DUFFY
Duffy Construction Corp.
230 Park Avenue
New York 17, N.Y.

JOSEPH J. ELKIN
Woodcrest Construction Co., Inc.
369 Lexington Avenue
New York 17, N.Y.

R. L. ELLINGSEN
Compania Constructora Groves-Drake, Inc.
21 West Street
New York, N.Y.

ROBERT FERRIS
Nicholas Pile Company
36-25 22nd Street
Long Island City, N.Y.

HARRY B. FINNEGAN
General Builders Supply Corp.
205 East 42nd Street
New York 17, N.Y.

MARIO D. GIARDINO
M. D. Giardino
101 Park Avenue
New York 17, N.Y.

E. W. HAMMER
Merritt-Chapman & Scott Corp.
17 Battery Place
New York, N.Y.

E. A. HARDENBURGH
Public Service Elec. & Gas Co.
80 Park Place
Newark, N.J.

JOHN C. HENNESSY
Fehlhaber Pile Co., Inc.
205 East 42nd Street
New York, N.Y.

FRANK L. KELLY
Colonial Sand & Stone Co., Inc.
30 Rockefeller Plaza
New York, N.Y.

JAMES J. KENNEDY
Sprague & Henwood, Inc.
11 West 42nd St.
New York 18, N.Y.

DANIEL M. LAZAR
Cayuga Construction Corp.
30 Vesey Street
New York, N.Y.

JAMES E. MacDONALD
Goodall Rubber Company
5 White Street
New York, N.Y.

ALEXANDER MACGREGOR
Jay Downer
30 Rockefeller Plaza
New York 20, N.Y.

WILLIAM P. McDONALD
Wm. P. McDonald Construction Co.
33-15 Lawrence Street
Flushing, N.Y.

ROBERT B. PARKER
Carnegie-Illinois Steel Corp.
71 Broadway
New York 6, N.Y.

JOHN A. REILLY
The Arundel Corporation
Pier 3, Fulton Street
Brooklyn, N.Y.

THOMAS A. SCOTT
Merritt-Chapman & Scott Corp.
17 Battery Place
New York 4, N.Y.

RALPH S. SIEGRIST
Hercules Powder Company
Wilmington 99, Del.

CHARLES E. SIMMONS
Bethlehem Steel Company
25 Broadway
New York, N.Y.

ALBERT L. STEVENSON
Elwyn E. Seelye & Co.
101 Park Avenue
New York 17, N.Y.

J. H. THORNLEY
Western Foundation Company
308 W. Washington Street
Chicago, Illinois

J. D. TULLER
The Tuller Construction Company
95 Monmouth Street
Red Bank, N.J.

RAYMOND J. VAN WAGNER
Cayuga Construction Corp.
30 Vesey Street
New York, N.Y.

CORNELIUS VERMONT
H. E. Fletcher
West Chelmsford, Mass.

CHARLES M. WHALEN
Universal Atlas Cement Co.
135 East 42nd Street
New York 17, N.Y.

S. JAY WINTERBERG
Fehlhaber Pile Co., Inc.
205 East 42nd Street
New York, N.Y.

MOLES AT WORK AND AT PLAY - PICTURES OF BUSINESS MEETING AND FROLIC



TALKING THINGS OVER before business meeting are Bob Bayard (left), Johnson, Drake & Piper, and Carlton Proctor, Moran, Proctor, Freeman & Mueser.



CAUGHT IN SERIOUS MOMENT at Frolic are Jacob Mechanic (left), engineer of construction, New York City Tunnel Authority, and Past-President Alex Lyle, Carleton Co., Inc.



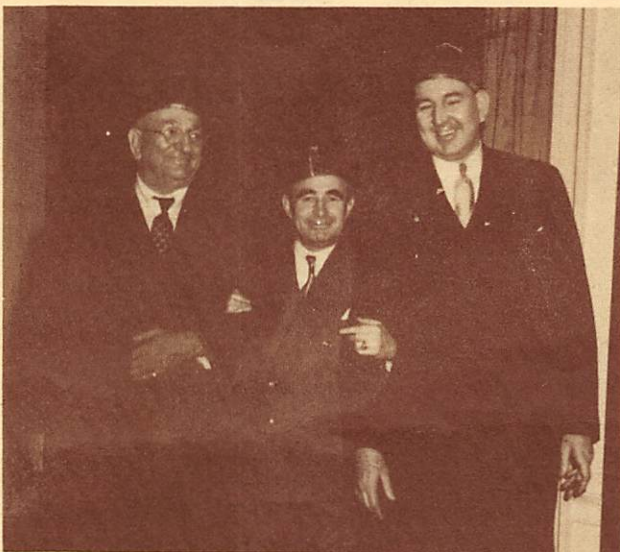
NEW HAT is adjusted for Charles Poirier, Poirier & McLane Corp., by Dorothy Blaire, Frolic entertainer.



ENJOYING FROLIC PROGRAM is Edward P. Palmer, of Senior & Palmer.



CHATTING WITH HOSTESS at Frolic is John I. Spooner, Allen N. Spooner & Son, Inc., lucky number winner, while behind him Treasurer, Ralph Atwater, Shultz Dredging Co., presides at mike.



IN GALA MOOD at Frolic are (left to right) Peter F. Connolly, Peter F. Connolly Co.; Eddie Mahoney, Mahoney-Clarke, Inc.; and James G. Walker, Johns-Manville Sales Corp.



ALL PRIMED FOR FLOOR SHOW are (left to right): Duke Cameron, Fire Proof Products; Louis Corbetta, Corbetta Construction Co.; Charles H. Highley, Highley & Co., Inc.; Roger Corbetta; and Paul Bigler and Joe Collins, both of Lone Star Cement Co.