

OF GENERAL INTEREST

PROCEEDINGS OF THE SOCIETY

MINUTES OF MEETING

Boston Society of Civil Engineers

OCTOBER 21, 1958.—A Joint Meeting of the Boston Society of Civil Engineers with the Massachusetts Section of the American Society of Civil Engineers was held this evening at Tufts University, Medford, Mass. The Student Chapters of the New England Colleges were especially urged to attend.

A dinner was held in the Jackson Gymnasium, Tufts University from 6:30 to 7:45 P.M. Student delegations were present from Tufts University, Northeastern University, Harvard, Massachusetts Institute of Technology, Brown University, Worcester Polytechnic Institute, University of Rhode Island, University of Connecticut and University of Massachusetts.

The meeting was held in the Cohen Auditorium and was called to order at 8:00 P.M., by President William L. Hyland.

President Hyland extended a cordial welcome to the students and expressed appreciation of the cooperation of the officers of the student organizations and the faculty members in making this event so successful.

The Secretary announced the names of applicants for membership in the BSCE and that the following had been elected to membership October 20, 1958:—

Grade of Member—George C. Conway, Robert G. Dean, Richard D. Field, John C. Hawley, Lawrence T. Kraynick, Harold W. Olsen,

John A. Volpe, Peter B. Heidema, Allyn S. Richardson, Samuel I. Widershien, Willard O. Wilcox.

Grade of Junior—Richard A. Bernard, Alphonso J. Binda, John F. Brady, Jr., Edward J. Comeau, Elias A. Cooney, Jude T. Flynn, Mrs. Leslie B. Fuller, Donald J. Hession, Frank S. Lagrotteria, Bruce N. MacIver, Peter A. Martus, Anthony L. Ricci, Walter H. Snyder.

President Hyland introduced John J. Cusack, Secretary of Massachusetts Section, ASCE, and asked him to conduct any necessary business of ASCE at this time.

President Hyland then introduced the speaker of the evening, Dean Gordon M. Fair, Gordon McKay Professor of Sanitary Engineering, Harvard University who gave a most interesting talk on "The Civil Engineer and His Responsibility to Society."

Two hundred fifty-six members and guests attended the dinner and two hundred forty-one attended the meeting.

The meeting adjourned at 9:06 P.M.

ROBERT W. MOIR, *Secretary*

NOVEMBER 19, 1958.—A Joint Meeting of the Boston Society of Civil Engineers with the Hydraulics Section, BSCE was held this evening at the United Community Services Building, 14 Somerset Street, Boston, Mass., and was called to order by President William L. Hyland, at 7:25 P.M.

President Hyland announced that the minutes of the previous meeting held October 21, 1958 would be published

in the JOURNAL and that the reading of those minutes would be waived unless there was objection.

President Hyland announced the death of the following members:

T. Parker Clarke, who was elected a member January 26, 1921, and who died October 9, 1958.

Edwin R. Olin, who was elected a member March 16, 1904, and who died September 16, 1958.

John P. Gallagher, who was elected a member January 27, 1915 and who died in July, 1958.

The Secretary announced the names of applicants for membership in the BSCE and that the following had been elected to membership November 17, 1958:—

Grade of Member—Walter G. Baker, Raymond Donahue

President Hyland stated that this was a Joint Meeting with the Hydraulics Section and called upon James W. Daily, chairman of that section to conduct any necessary business at this time.

President Hyland introduced the speaker of the evening, John W. Leslie, Chief, Engineering Division, U. S. Army Engr., Div., New England, who gave a most interesting talk on "Development and Design of Hopkinton-Everett Flood Control Project." The talk was illustrated.

The meeting was preceded by a dinner and 69 members and guests attended the dinner. Ninety-three members and guests attended the meeting.

The meeting adjourned at 9:10 P.M.

ROBERT W. MOIR, *Secretary*

DECEMBER 17, 1958.—A Joint Meeting of the Boston Society of Civil Engineers with the Structural Section, BSCE was held this evening at the United Community Services Building, 13 Somerset Street, Boston, Mass., and was called to order by President William L. Hyland, at 7:00 P.M.

President Hyland announced that the minutes of the previous meeting held

November 19, 1958 would be published in a forthcoming issue of the JOURNAL and that the reading of those minutes would be waived unless there was objection.

President Hyland announced the death of the following members:

Luis G. Morphy, who was elected a member September 16, 1908 and who died October 28, 1958.

David J. White, who was elected a member January 26, 1921, and who died December 9, 1958.

The Secretary announced the names of applicants for membership in the BSCE and that the following had been elected to membership December 15, 1958:—

Grade of Member—Zane A. Bower, Imants M. Kaupe, Joseph DiGiovanni, Robert F. McNeill, Joseph J. Randall, Donald K. Sampson, Richard J. Schoenfeld, Jr., Ken N. Shroff, Clement V. Smith, George E. Trainor, Arne J. Wolti, George C. Woods.

Grade of Student—John A. Cronin.

President Hyland stated that this was a Joint Meeting with the Structural Section and called upon Richard W. Albrecht, chairman of that section to conduct any necessary business at this time.

President Hyland introduced the speaker of the evening, Miles N. Clair who gave a talk on "Draft of Proposed Amended Part 26—Reinforced Concrete of the Boston Building Code."

A discussion period followed the talk.

The meeting was preceded by a dinner and 56 members and guests attended the dinner. Seventy-nine members and guests attended the meeting.

The meeting adjourned at 9:22 P.M.

ROBERT W. MOIR, *Secretary*

STRUCTURAL SECTION

NOVEMBER 12, 1958.—A meeting of the Structural Section was held in the Society rooms. Chairman Albrecht called

the meeting to order at 7:00 P.M. The minutes of the previous meeting of October 8 were read. The Chairman introduced Dr. Ruth Terzaghi who spoke to the Section on "Geological History of New England."

Dr. Terzaghi discussed the geologic calendar showing that the time scale is based on the formation of animal or vegetable life found in fossils. The oldest measurement of age recently determined for rocks is 500 million years. The relatively recent development of radioactive data on carbon-14 gives us fairly accurate data on the age of rocks. The accuracy in determining the age of rocks is in the order of one million years since the animal or plant life of a given type usually existed for that length of time with some exceptions. Dr. Terzaghi explained how in the beginning the Appalachian region was a trough which was several thousand feet deep into which deep sedimentary deposits containing marine plant and animal life collected. Later these deposits in the form of sedimentary rocks were pushed up by high pressure which folded the earth's crust to form the White and Green Mountains of New Hampshire and Vermont in the Paleozoic period and that later volcanic eruptions took place. Later the mountains formed by folding were eroded away to reduce the magnitude of their elevation. Dr. Terzaghi explained the way in which the ice cap scoured the valleys and left deposits of various sorts which we now find in New England. The fact that New England is generally rising as a result of the release of 20,000 feet of ice after the end of the last ice age has resulted in certain earthquake activity due to the readjustment. It was pointed out that the melting of the ice cap on the North American continent caused the ocean to rise approximately 300 feet.

After a brief discussion with several of the members, the meeting was adjourned at 9:00 P.M.

The attendance was 101.

HYDRAULICS SECTION

MAY 7, 1958.—A meeting of the Hydraulics Section was held at the M.I.T. Hydrodynamics Laboratory and was called to order by James W. Daily, Chairman at 7:05 P.M.

The minutes of the meeting of February 5th were read and approved.

The Chairman introduced the speaker, Peter S. Eagleson, Assistant Professor of Hydraulics, Massachusetts Institute of Technology, whose subject was "Hydraulic Model Study of Protective Works for Fleet Berths in Narragansett Bay."

Professor Eagleson's talk covered recent hydraulic model tests, at the M.I.T. Hydrodynamics Laboratory, of breakwaters under design for the Navy by Fay, Spofford & Thorndike. He described investigations of the breakwaters which are to protect thin-skinned vessels against north-west storm damage, with the model testing covering three main subjects:

- (1) Optimum size and location of breakwaters.
- (2) Effect of breakwater on flushing action by surface currents.
- (3) Littoral sand transport effect.

The discussions included hindcasting wave heights based on observed prototype wind velocities at a nearby weather station and consideration of the significant wave concept as compared with the wave spectrum. Excellent slides were used to give the results of the tests. Reductions in wave heights from 9 feet to 2 feet were shown on maps of the water surface in the vicinity of the breakwaters.

After a good question and discussion period the group inspected the breakwater model, along with a wide variety of other hydraulic models in operation at the Hydrodynamics Laboratory. The inspection closed an interesting evening.

Total attendance was 47.

The meeting adjourned at about 8:30 P.M.

JOHN B. McALEER, *Clerk*

ADDITIONS

Members

Walter G. Baker, Jr., 20 Kemper St.,
Wollaston 70, Mass.
Zane A. Bower, 14 Watt Street, Chelsea
50, Mass.
George G. Conway, 484 Beacon St.,
Boston 15, Mass.
Robert G. Dean, 12 Unity Avenue,
Belmont 78, Mass.
Raymond Donahue, 58 Harding Ave-
nue, Weymouth 88, Mass.
Joseph Giovanni, 13 Bradford Avenue,
Medford 55, Mass.
Lawrence Kraynick, 77 Norwich Circle,
W. Medford 55, Mass.
Robert F. McNeill, 5 Edwin St., Ran-
dolph, Mass.
Joseph J. Randall, 12 Alpine Road,
Norwood, Mass.
Allyn S. Richardson, 519 Pleasant St.,
Belmont 78, Mass.
Donald K. Sampson, 12 Priscilla Road,
Reading, Mass.
Richard J. Schoenfield, Jr., 146 Inter-
vale St., Chestnut Hill 67, Mass.
Clement Smith, 542 Canton St.,
Stoughton, Mass.
Eugene Smith, 303 Union St., Nor-
wood, Mass.

George E. Trainor, 14 Warren Place,
Weston, Mass.
Ken N. Shroff, 90 Fresh Pond Pky.,
Cambridge 38, Mass.
George C. Woods, Commonwealth Cor-
poration, 575 Boylston St., Boston
16, Mass.
Arne J. Wolti, 115 Green St., Lynn,
Mass.

Juniors

John F. Brady, 228 Parke St., Lowell,
Mass.
Edward J. Comeau, 307 Beech St.,
Belmont 78, Mass.
Elias Cooney, 1094 Andover St., No.
Tewksbury, Mass.
Jude T. Flynn, 156 Dalton Road,
Chelmsford, Mass.
Anthony L. Ricci, 291 Pearl St., Cam-
bridge, Mass.
Walter H. Snyder, 245 Pearl St.,
Malden 48, Mass.

Student Member

John A. Cronin, 100 Packard Ave.,
W. Somerville 44, Mass.

Deaths

Luis G. Morphy, Oct. 28 1958
Arthur T. Weston, Dec. 19, 1958
David J. White, Dec. 9, 1958