

PROCEEDINGS OF THE SOCIETY

Minutes of Meeting

BOSTON SOCIETY OF CIVIL ENGINEERS

November 28, 1973 — A joint meeting of the Boston Society of Civil Engineers with the Massachusetts Section of American Society of Civil Engineers and the Western Branch of A.S.C.E. along with the American Public Works Association, New England Chapter, was held at the Holiday Inn in Newton on November 28, 1973.

Following a social hour and dinner, the meeting was called to order at 7:50 p.m. by President Ron Hirschfeld of the American Society of Civil Engineers. A brief business meeting of the Boston Society of Civil Engineers was conducted by the Secretary, who announced the following new members elected by the Board of Government on November 20, 1973:

For Member — Edward Leo Byrne, Herbert H. Einstein, Roy C. Fedotoff, Franklin J. Morrison, and Albert H. Smith, Jr.

For transfer from Junior to Member: Leland A. Jenkins and John E. Kavanagh, III

Applications for Membership have been received from John A. Shuster and John King Chun Yen, and for Junior from Anthony M. Deltufo, Joan E. Harrison and Gary J. Zawada.

The members and guests present stood for a moment of silence for deceased members Gordon Gould and Percival Rice.

At the conclusion of the Boston Society of Civil Engineers' Business Meeting, President Hirschfeld had a few remarks concerning the American Society of Civil Engineers; he, then, turned the meeting over to the A.S.C.E. Vice President, Tom Liu, who introduced the guest speaker of the evening, Mr. Alden E. Cousins, Director of the Bureau of Solid Waste Disposal, Massachusetts Department of Public Works. Mr. Cousins described the "Proposed Solid Waste Management Plan for the Commonwealth of Massachu-

setts." Following a brief historical review of the subject, the speaker described the current status and plans for the future. A lively question and answer period followed the formal presentation.

The meeting was adjourned at 9:20 p.m. Approximately 120 members and guests attended.

Joseph F. Willard
Secretary

December 5, 1973 — A joint meeting of the Boston Society of Civil Engineers with the Massachusetts Section, American Society of Civil Engineers, and the Environmental Section, Boston Society of Civil Engineers, was held on this date at Purcell's Restaurant.

In the absence of Section Chairman Guertin, the meeting was called to order by Fred Blanc, at 7:30 p.m., following the social hour and dinner.

The Secretary of the Boston Society of Civil Engineers was called upon to conduct Society business, at which time he announced that J. Elliott Thomas, Jr. had made application for membership.

The evening's chairman, Mr. Blanc, then introduced the speaker, Dr. Archie MacDonnell, Professor of Civil Engineering and Director, Water Research Center of Penn State University. Dr. MacDonnell made an illustrated presentation on "Limiting Nutrients in Surface Waters".

The presentation was well received as was evidenced by the questions after the formal presentation.

Attendance at the meeting was 35. The meeting was adjourned at 9:00 p.m.

Joseph F. Willard
Secretary

January 30, 1974 — A joint meeting of the Society with the Massachusetts Section of the American Society of Civil Engineers and the Hydraulics Section of the Boston Society of Civil Engineers was

held at the Ralph M. Parsons Water Resources Laboratory, M.I.T.

Chairman Perkins of the Hydraulics Section called the Meeting to order at 7:00 p.m. and asked President Sorota to conduct any Society business. The President called upon the Secretary who read the list of new members elected by the Board of Government as follows:

Member: John A. Shuster

John Kung Chun Yen

Junior: Anthony Michael Deltufo

Gary Joseph Zawada

The Secretary then announced that application for membership had been received from the following:

Natalie Joan Taub

Mordecai Bennett

Kenneth James Deardon

Harry Jue

Robert J. Ovagimian

Douglas Charles Prentiss

The members then stood for a moment of silence for C. Fred Joy, who passed away on December 6, 1973.

It was then VOTED "That the Society approve the transfer of up to \$10,000.00 from the principal of the Permanent Fund to the Current Fund to meet Current Expenses." The second of the two required votes on this matter will be conducted at the February Meeting.

The Secretary read notices of meetings for the month of February, copies of which have been sent to the members.

President Sorota then turned the meeting back to Chairman Perkins, who introduced the speakers of the evening, Mr. K. Peter Devenis and Mr. Edward Dunn of C. E. Maguire, Inc., who described the Charles River Project, giving a history as well as details of the new pumping equipment, locks, and other features for hydrologic control especially in the lower basin.

More details of the Meeting may be found in the report of the Hydraulics Section.

The meeting was adjourned at 9:10 p.m. after a question and answer period.

About eighty-one members and guests attended.

Joseph F. Willard
Secretary

COMPUTER SECTION

November 14, 1973 — The Computer Section met at the Red Coach Grill, Stanhope Street, Boston. Twenty persons attended the dinner preceding the meeting, and 30 were present for the meeting and presentation. The meeting was called to order at 7:30 p.m. by David I. Hellstrom, Chairman. A few announcements were made; there was no other Section business. Dr. Robert Logcher then introduced the speaker for the evening, Professor David Marks of MIT. His talk was the first of a series of coordinated sessions dealing with systems analysis and its application to civil engineering problems. Professor Marks presented an overview of the subject, including the basic philosophy of dealing with large scale systems and the analytic techniques which can be applied in their analysis. A discussion period followed the presentation. The meeting was adjourned at 9:00 p.m.

David I. Hellstrom
Chairman

December 11, 1973 — The Computer Section met at the Red Coach Grill, Stanhope Street, Boston. Nineteen persons attended the dinner preceding the meeting and 22 were present for the meeting and presentation. The meeting was called to order at 7:30 p.m. by David I. Hellstrom, Chairman. One item of business was transacted. A section nominating committee consisting of Messrs. Gerald Woodland, Robert Logcher and David Hellstrom was nominated and elected by unanimous vote. Dr. Robert Logcher then introduced the speaker for the evening, Professor Joseph Sussman of MIT. His talk was the second in a series of coordinated sessions dealing with systems analysis and its application to civil engineering problems. Professor Sussman's topic was the use of simulation as a technique for analysis. He discussed the advantages and limitations of using simulation, the general purpose computer programs which are available, and he described some actual studies using simulation to solve transportation system problems. A discussion period followed

the presentation. The meeting was adjourned at 9:00 p.m.

David I. Hellstrom
Chairman

CONSTRUCTION SECTION

January 9, 1974 — The Regular Construction Section Luncheon Meeting was held at the Red Coach Grill, 43 Stanhope Street, Boston. The meeting was called to order at 12:30 p.m.

The subject was "Design and Construction of Traffic Improvements in the Boston Area Under the Topics Program".

The Guest Speaker was Mr. George W. Casper of Tippetts, Abbott, McCarthy-Stratton.

There were 23 members and guests in attendance.

The meeting adjourned at 2:00 p.m.

Laimonis Rieksts
Clerk

ENVIRONMENTAL SECTION

December 5, 1973 — On Wednesday, December 5, 1973 the Environmental Section of the Boston Society of Civil Engineers met at Purcells' Restaurant in Boston. There were 31 persons in attendance.

The meeting was preceded by cocktails at 5:30 p.m. and dinner at 6:30 p.m. At 7:30 p.m. the writer introduced Mr. Joseph Willard who made some Society business announcements regarding membership.

This short meeting was followed by Dr. Archie MacDonnell's presentation. Dr. MacDonnell's interesting talk on Nitrogen and recent data on limiting concentrations for aquatic plants in streams went on for one hour, followed by 45 minutes of questioning until 9:15 p.m. when the meeting adjourned. Judging from the questions asked and comments, the talk was well received and an educational experience for all attending.

Paul D. Guertin
Chairman

GEOTECHNICAL SECTION

November 15, 1973 — Joint Lecture with M.I.T. Dr. Ralph B. Peck presented the Mathis Memorial Lecture on "The Civil

Engineering Mind — Nature and Nature" at the Center for Advance Engineering Studies before about 80 members, students and guests.

January 16, 1974 — A panel moderated by Dr. Star Lucks and including Messrs. Herman Snyder, Robert Blakeney, Edward Langenback and Frank Matera was held at The Branding Iron before 75 members and guests. The panel, all lawyers well-versed in legal aspects of design and construction, discussed "Subsurface Information in Contract Documents — The Rights and Responsibilities of Owners, Engineers and Contractors".

HYDRAULICS SECTION

December 12, 1973 — A meeting of the Hydraulics Section of the Boston Society of Civil Engineers was held on Wednesday, December 12, 1973 at the Reservoir Control Center of the U.S. Army Corps of Engineers located at the New England Division office in Waltham, Massachusetts. Attendance at the meeting was 24. A brief meeting of the Executive Committee of the Section was held following the meeting to coordinate details of the January Section meeting.

The meeting was called to order at 7:15 p.m. by Section Chairman Frank Perkins, Section Executive Committee Vice Chairman Saul Cooper, an employee at the New England Division Office briefly oriented the attendees to the function and operation of the Reservoir Control Center. This facility was the topic of the September 25, 1973 meeting. Chairman Perkins introduced the guest speaker Dr. Paul Bock, of the University of Connecticut. Dr. Bock discussed his work with and the capabilities of the Earth Resources Satellite in relation to data acquisition and monitoring of hydrologic and hydraulic data as well as demographic interaction with certain hydrodynamic case studies within selected New England Lakes and Ponds.

A question and answer session followed the presentation. The meeting adjourned at 8:30 p.m.

Thomas S. Baron
Clerk

January 30, 1974 — A meeting of the Hydraulics Section of the Boston Society

of Civil Engineers was held on Wednesday, January 30, 1974 at the Ralph M. Parsons Water Resources Laboratory of the Massachusetts Institute of Technology, located at Main and Vassar Streets, Cambridge, Massachusetts. This assembly was further designated as a joint meeting with the Society whose officers conducted a brief business session prior to the main agenda. Details of the Society's transactions are reported under separate cover. Attendance at the meeting was 81. A brief meeting of the Executive Committee of the Hydraulics Section was held prior to the meeting to coordinate plans for the Freeman Lecture and to initiate nomination procedures for the following year's Executive Committee slate of officers.

The meeting was called to order at 7:00 p.m. following the brief Society business session, Section Chairman Frank Perkins introduced the Guest Speakers, Mr. K. Peter Devinis and Mr. Edward Dunn, respectively, Vice President and Group Manager of C.E. Maguire, Inc., of Waltham, Massachusetts. The subject of the joint presentation by the speakers was "The Charles River Project" and dealt with the historical background, site selection criteria, and the unique hydrologic parameters and elaborate hydraulic design features of the new Charles River Dam. Detailed descriptions of the multifaceted pumping arrangements, anadromous fish passage facilities, and navigation locks of this project were presented.

A question and answer session followed the presentation. The meeting adjourned at 9:15 p.m.

Thomas Baron
Clerk

STRUCTURAL SECTION

December 12, 1973 — The December 12th meeting held in the Mezzanine Lounge of the M.I.T. Student Center was opened at 7:00 p.m. by R. Zallen, Chairman. After announcements on current activities, Mr. Zallen requested nominations for the 1974 Nominating Committee of the Structural Section. Accordingly, the membership nominated Jurgis Gimbutas, H. Simpson and Sepp Frinkas.

In place of Rexford Wilson, the scheduled speaker, Harold Cutler and Donald

Bellis made a presentation on the characteristics of fire and discussed pertinent building code provisions covering fire protection for buildings. Following the talk, the floor was opened for questions and discussion on various types of fire protection systems.

The meeting attended by approximately 30 members was adjourned at 9:00 p.m.

Kenneth M. Leet
Clerk

TRANSPORTATION SECTION

November 7, 1973 — The meeting was held at 5:30 p.m. at Purcells' Restaurant, School Street, Boston. The subject was "Implementation of Downtown Boston Parking Freeze".

There being no office business to conduct, Mr. Plourde, Vice-Chairman of the B.S.C.E. Transportation Section, promptly introduced the speakers to the audience. Mr. Justin L. Radlo, Deputy Chief Engineer, M.D.P.W., began by describing the historic events which led to the downtown parking freeze plan, including the Governor's proposal, and the Clean Air Act Transportation Control Strategy. He then explained the relationship between the M.D.P.W. and Wilbur Smith & Associates in the actual conduct of the study to implement such a freeze, and briefly reviewed the study's objectives.

Mr. John G. Schoon, Project Director for Wilbur Smith & Associates, next went into specific details of the study through a slide presentation, including community involvement, existing parking space utilization and capacity, existing parking charges, parking distribution over time of day, the relationship between transit availability and parking utilization, and the effect of parking restrictions on growth and development in the city.

A question and answer period followed the presentations by Mr. Radlo and Mr. Schoon. The meeting was adjourned at approximately 9:00 p.m. Approximately 35 persons attended.

Rodney P. Plourde
Vice-Chairman, Transportation Section