

PROCEEDINGS OF THE SOCIETY

The Construction Section held two joint meetings during 1966. The first was held with the main society and the second was held with the Structural Section.

May 25, 1966 - Mr. Richard Halloran of the Perini Corporation described "Heavy Construction Estimating", using a descriptive system divided into six major categories:

1. Construction Management
2. Joint Ventures and Partners
3. General Classification of Project Costs
4. Project Accounting, Cost Accounting and Costs Feedback
5. Bidding a Project
6. Estimating Engineers' Specializations

Attendance: 89

January 11, 1967 - Mr. Phillip Maslow, Grace Construction Materials Division of W. R. Grace & Co. lectured on the "Use of Epoxy Resin in Concrete".

Attendance: 48

The newly appointed officers of the section are as follows:

Chairman	William Wiley
Vice Chairman	Arthur H. Mosher
Clerk	Charles F. Sullivan

Respectfully submitted,

Arthur H. Mosher, Clerk

November 2, 1966 - A meeting of the Hydraulics Section of the Boston Society of Civil Engineers was held in the society rooms, 47 Winter Street, Boston, Mass. The meeting was called to order by Athanasios A. Vulgaropoulos, clerk of the section, substituting for the chairman of the section, Mr. Nicholas Lally.

Mr. Vulgaropoulos introduced the speaker of the evening, Mr. Peter A. Larsen, Associate Professor of Civil Engineering at the Worcester Polytechnic Institute. Professor Larsen spoke on "Head Losses Caused by an Ice Cover in Open Channels" and showed slides of prototype investigations in Sweden. The speaker discussed field observations and measurements of head losses in certain river sections with and without ice cover, the roughness of the underside of ice cover where a ripple pattern is formed, and the results of the above investigations.

The meeting had an attendance of 16 and was adjourned at 9:00 P.M.

Respectfully submitted,

Athanasios A. Vulgaropoulos, Clerk

November 7, 1966 - A regular meeting of the Structural Section was held on this date at the society rooms. Meeting was called to order by Chairman Robert L. Fuller at 7:10 P.M. Mr. William A. Henderson, Vice President - Universal Engineering Company spoke on "History and Development of Bridges".

After a discussion period the meeting adjourned at 8:00 P.M. 21 members and guests attended the meeting.

Respectfully submitted,

F. Hampe, Clerk

November 22, 1966 - A meeting of the Transportation Section of the Boston Society of Civil Engineers was held in the society rooms, 47 Winter Street, Boston, Mass., and was called to order at 7:00 P.M., by the chairman, Cas J. Kray. The minutes of the previous meeting were read and accepted.

After a few brief comments relative to the future meetings, Chairman Kray introduced the guest speaker of the evening, Colonel Remi O. Renier, Division Engineer, Cape Canaveral, who gave a most interesting illustrated talk entitled "Construction for Space Age". Colonel Renier discussed the problems involved in the transportation and assembly of the component parts of missiles at Cape Canaveral.

After a brief discussion period, the meeting adjourned at 8:30 P.M.

Respectfully submitted,

Robert J. Kiley, Clerk

January 18, 1967 - A meeting of the Transportation Section of the Boston Society of Civil Engineers was held in the Society Rooms, 47 Winter Street, Boston, Mass., and was called to order at 7:00 P.M., by the chairman, Cas J. Kray. At the request of Chairman Kray, the minutes of the previous meeting were omitted.

After a few brief comments relative to the future meetings, Chairman Kray introduced the guest speakers of the evening, Mr. James D. Fitzgerald, Director of New Construction of the MBTA, whose subject was "The Employment of New Techniques in MBTA Construction Projects"; Mr. George Wey, Director of Planning, Massachusetts Department of Public Works, whose subject was "The Role of the Department of Public Works in Planning of Transportation Projects"; and Mr. John R. Davis, Deputy Chief Engineer, Massachusetts Port Authority, whose subject was "Logan International Airport".

The subject matter of all three speakers was timely, informative and interesting. The lively discussion period which followed brought out the fact that all three of these agencies have common problems when planning toward a complete transportation system for this area.

The meeting adjourned at 9:15 P.M. Seventy members and guests attended the meeting.

Respectfully submitted,

Robert J. Kiley, Clerk

January 25, 1967 - A joint meeting of the Boston Society of Civil Engineers with the Hydraulics Section was held this evening in the Adams Room, United Community Services Building, 14 Somerset Street, Boston, Mass., and was called to order by President John M. Biggs, at 7:00 P.M.

President Biggs stated that the minutes of the previous meeting held November 16, 1966, 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 Biggs announced the death of the following members: -

George F. Delano, elected a member May 9, 1928, who died December 23, 1966.

Albert C. Titcomb, elected a member June 29, 1923, who died January 25, 1966.

Harry M. Solomos, elected a member November 15, 1939, who died February 6, 1966.

Francis J. Crandell, elected a member May 20, 1942, who died January 19, 1967.

The Secretary announced the names of applicants for membership.

President Biggs requested the secretary to present a recommendation of the Board of Government to the society for action. The president stated that this matter was before the society in accordance with provisions of the by-laws and notice of such action published in the ESNE Journals dated November 14, 1966, and January 9, 1967.

The secretary presented the following recommendation of the Board of Government to the society for action to be taken at this meeting.

MOTION "to recommend to the society that the Board of Government be authorized to transfer an amount not to exceed \$7000 from the principal of the permanent fund to the current fund for current expenditures".

On motion duly made and seconded it was VOTED "that the Board of Government be authorized to transfer an amount not to exceed \$7000 from the principal of the permanent fund to the current fund for current expenditures".

President Biggs stated that this was the final action on this matter.

President Biggs requested the secretary to present a recommendation of the Board of Government on proposed amendment to the by-laws, Section 9 (Fees and Dues). The President stated that this matter was before the society in accordance with provisions of the by-laws, and notice of such action published in the ESNE Journals dated January 16, and February 13, 1967, and circulated to members by letter dated January 5, 1967.

The secretary presented the following recommendation of the Board of Government on proposed amendment to the by-laws, Section 9 (Fees and Dues).

MOTION "that the dues be increased beginning with those payable in March, 1967, and Section 9 of the by-laws be amended to read as follows:

The annual dues payable in advance at the annual meeting shall be as follows: resident members and associates, twenty dollars; non-resident members and associates, fifteen dollars; resident junior members, twelve dollars; and non-resident junior members, ten dollars; individual student members, two dollars and a half. The members of any grade except that of student, residing within one hundred miles of City Hall of Boston, shall be considered as resident and those beyond that limit as non-resident members.

On motion duly made and seconded it was VOTED "that Section 9, of the by-laws (Fees and Dues) be amended and that the dues of members be increased as listed above". President Biggs stated that final action will be taken on this matter at the February 15, 1967, meeting.

President Biggs stated that this was a joint meeting with the Hydraulics Section and called upon Nicholas Lally, chairman of that section to conduct any necessary business for that section at this time.

President Biggs stated that this meeting was sponsored by the John R. Freeman Fund-Committee as "A John R. Freeman Memorial Lecture", and turned the meeting over to Prof. Leslie J. Hooper, chairman of the John R. Freeman Fund Committee, who introduced the guest speaker of the evening Prof. Hans Gerber, Swiss Federal Institute of Technology, who gave a most interesting talk on "European Experience with the Thermodynamic Method."

At the conclusion of the lecture Prof. Hooper presented Prof. Gerber with an honorarium and a certificate of appreciation, and then turned the meeting back to President Biggs.

A discussion period followed the lecture. Forty four members and guests attended the dinner preceding the meeting and sixty members and guests attended the meeting. The meeting adjourned at 9:40 P.M.

Respectfully submitted.

Charles O. Baird, Jr., Secretary

February 15, 1967 - A joint meeting with the Massachusetts Section of the American Society of Civil Engineers was held this noon at the Red Coach Grill, Stanhope Street, Boston, Mass., Saul Namyet, Vice President of ASCE presiding.

After luncheon Vice-President Namyet called the meeting to order and turned the meeting over to President John M. Biggs of the B.S.C.E. to conduct any necessary business. President Biggs requested the secretary to present a recommendation from the Board of Government to the society for action at this meeting, stating that this matter was before the society in accordance with provisions of the by-laws, and notice of such action published in the ESNE Journal dated January 30, 1967, and sent by letter to members dated January 5, 1967.

The secretary presented the following recommendation of the Board of Government on proposed amendment to the by-laws, Section 9, (Fees and Dues).

MOTION "that the dues be increased beginning with those payable in March, 1967, and Section 9 of the by-laws be amended to read as follows: -

"The annual dues payable in advance at the annual meeting shall be as follows: resident members and associates, twenty dollars; non-resident members and associates, fifteen dollars; resident junior members, twelve dollars; and non-resident junior members, ten dollars; individual student members, two dollars and a half. The members of any grade except that of student, residing within one hundred miles of City Hall of Boston, shall be considered as resident members and those beyond that limit as non-resident members."

On motion duly made and seconded it was VOTED "that Section 9, of the by-laws (Fees and Dues) be amended and that the dues of members be increased as listed above."

President Biggs stated that this was the final action on this matter and then turned the meeting back to Vice President Saul Namyet of ASCE. 90 members and guests attended the meeting and luncheon. Meeting adjourned at 2:00 P.M.

Respectfully submitted,

Charles O. Baird, Jr. Secretary

February 21, 1967 - A meeting of the Transportation Section was held in the society rooms, 47 Winter Street, Boston, Mass. In the absence of Chairman Cas. J. Kray, the meeting was called to order at 7:10 P.M. by Clerk, Robert J. Kiley.

The speaker, Mr. Howard Whitmore, Jr., Commissioner of the Metropolitan District Commission, was introduced by Mr. Kiley. Mr. Whitmore spoke on the subject "The Metropolitan District Commission's formation in Transportation", tracing the history of the MDC from its formation in the later 1800's to the present, concluding with a summation of their future undertakings in the highway field.

After an interesting discussion period, the members of the Executive Committee were asked to remain for a short meeting. The meeting was adjourned at 8:20 P.M. by Mr. Kiley, Attendance was approximately 30.

Respectfully submitted,

Robert J. Kiley, Clerk

March 14, 1967 - The 119th annual meeting of the Boston Society of Civil Engineers was held today at the M.I.T. Faculty Club, 50 Memorial Drive, Cambridge, Mass., and was called to order at 4:00 P.M., by President John M. Biggs.

President Biggs stated that the reading of the minutes of society meetings had been omitted during the year. The minutes of the January and February 1967 meetings will be published in a forthcoming issue of the Journal. The minutes of the May, October and November 1966 meetings to be declared approved as published.

It was VOTED "to approve the minutes as published".

The Secretary announced the names of applicants for membership, and that the following had been elected to membership March 13, 1967 -

Grade of Member - Joseph J. Allegro *, John T. Christian, Robert H. Homer.

Grade of Junior - John E. Kavanagh, 3rd, Dean K. White #.

The annual reports of the Board of Government, treasurer, secretary and auditors were presented. Reports were also made by the following committees: - Publication, Hospitality, Library, John R. Freeman Fund, Ralph W. Horne Fund, Subsoils of Boston, Advertising, Joint Legislative Affairs, Professional Conduct, and Public Relations.

It was VOTED "that these reports be placed on file".

The annual reports of the various sections were read and it was VOTED "that the annual reports of the various sections be placed on file."

President Biggs stated that all foregoing reports would be published in the April, 1967 issue of the Journal.

The report of the Tellers of Election, Charles E. Fuller, and William H. Parker was presented and in accordance therewith the president declared the following had been elected officers for the ensuing year: -

President	Harry L. Kinsel
Vice-President	Robert H. Culver
Secretary	Charles O. Baird, Jr.
Treasurer	Paul A. Dunkerley
Directors	Llewellyn T. Schofield Charles Y. Hitchcock, Jr.
Nominating Committee	Lee M. G. Wolman Robert L. Meserve Robert L. Fuller

* Transfer from Junior

Transfer from Student

The retiring President John M. Biggs, then gave his address entitled, 'Can Engineering be Automated?'

Thirty four members and guests attended the business meeting. The meeting adjourned at 5:45 P.M., to re-assemble at 8:00 P.M. The social hour and annual dinner being held during the interim.

President Biggs called the meeting to order at 8:00 P.M. Following general remarks and the introduction of the newly elected President Harry L. Kinsel, and other guests at the head table, the various prize awards were made.

The secretary read the various prize awards and asked the recipients to come forward, and President Biggs presented the following awards: -

<u>Award</u>	<u>Recipient</u>	<u>Paper</u>
Ralph R. Horne Fund Award	Llewellyn T. Schofield	
Desmond FitzGerald Award	Donald R. F. Harleman	"Stratified Flow"
Clemens Herschel Award	Z. Getzler	"The Virtual Differential Settlement Method".
Sanitary Section Award	Clair N. Sawyer	"Engineering Aspects of Problems in the Aquatic Environment Related to Excessive Nutrients".
Structural Section Award	Robert J. Hansen	"High Speed Ground Transportation"
Hydraulics Section Award	Arthur T. Ippen	"Waves and Tides in Coastal Processes".
Desmond FitzGerald Scholarship	Bruce O. Tobiasson Alexander Hekimian	Northeastern University
William P. Morse Scholarship	Robert A. Hiney	Tufts University

President Biggs introduced the guest speaker of the evening, Dr. Ruth Terzaghi, Research Fellow, Harvard University, who gave a most interesting illustrated talk on "The Geologist as Detective".

At the conclusion of the talk President Biggs turned the meeting over to President elect Harry L. Kinsel. President Kinsel presented retiring President John M. Biggs with a certificate of appreciation for services rendered.

One hundred seventy six members and guests attended the meeting. The meeting adjourned at 9:45 P.M.

Respectfully submitted,

Charles O. Baird, Jr., Secretary