

## **SECTION TWO**

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**Proceedings of the 62nd Annual Meeting  
Annual Banquet**

PROCEEDINGS  
OF THE  
SIXTY-SECOND ANNUAL MEETING  
HELD AT NEW HAVEN, CONN.,  
MARCH 19-20, 1946

TUESDAY MORNING BUSINESS SESSION

PRESIDENT BUCK: The Sixty-Second Annual Meeting of The Connecticut Society of Civil Engineers will be in session.

The first order of business is action on the minutes of the Sixty-First Annual Meeting. These were published in the proceedings. You have received copies of them and I trust you have all read them thoroughly. Did anybody notice any corrections or additions which should be made?

If not, they will stand approved as published.

The next item of business is the Report of the Board of Direction. I will call on Secretary Tippet.

REPORT OF THE BOARD OF DIRECTION

For year ending March 19, 1946, at 9.00 A. M.

The Board has held 6 meetings during the year as follows:

THE FIRST MEETING was held March 20th, 1945, in the Faculty Club, New Haven, when it was *VOTED* to re-appoint H. Jackson Tippet as Secretary and Treasurer for the coming year.

THE SECOND MEETING was held May 17th, 1945, at the Hartford City Club, when it was *VOTED* to recommend 5 applicants for the grade of Member and 2 for grade of Associate.

It was *VOTED* to transfer Merle W. DeWees from Associate to Member grade.

It was *VOTED* to accept with regret the resignations of C. A. Milfane, E. L. Chandler, W. J. O'Brien, and R. N. Lane.

It was *VOTED* to ask W. Vincent Barry to prepare Memoir of the late J. Frederick Jackson.

It was *VOTED* to remit the dues of Joseph T. Smith on account of severe sickness.

It was *VOTED* to approve the study of Collective Bargaining requested by the Connecticut Technical Council and to refer same to the Committee on External Affairs.

It was *VOTED* to authorize the Treasurer to purchase a \$100 War Bond in the May (1945) drive.

It was *VOTED* to leave with the Secretary the matter of awarding the contract for printing the Annual Report for 1945.

It was *VOTED* to appoint F. Walden Wright delegate to Connecticut Technical Council for the two year term ending June, 1947.

It was *VOTED* to instruct delegate to Council to Vote in favor of admitting The Illuminating Engineering Society to membership in Council.

It was *VOTED* to instruct delegates to Council to Vote in favor of increasing dues to Council to 15c per member.

THE THIRD MEETING was held August 9th, 1945, at Newington and adjourned to resume August 23rd at Pine Orchard, when

It was *VOTED* to recommend 2 applicants for the grade of Associate.

It was *VOTED* to transfer Captain Paul A. Spinnato from Associate to Member grade in recognition of receipt by him of the Legion of Merit Award for several important inventions.

It was *VOTED* to ask the following to prepare Memoirs :

- M. B. Pearce for the late Daniel J. Linehan.
- F. J. Trowbridge and Morris B. Payne for the late Fred W. LaForge.
- R. H. Shannon for the late Frederick R. Silliman.
- J. T. Henderson for the late Edward W. Bush.
- J. F. Noonan for the late John F. Collins.
- H. J. Tippet for the late William R. Dunham.
- Benjamin H. Palmer for the late Shepard B. Palmer.

It was *VOTED* to authorize the Treasurer to purchase a \$100 War Bond in the next drive.

THE FOURTH MEETING was held at the Y. W. C. A., Howe Street, New Haven, Conn., October 11, 1945, when

It was *VOTED* to recommend 4 applicants for the grade of Member and 1 for Associate.

It was *VOTED* to accept with regret the resignation of L. B. Keen as of March 19, 1946.

It was *VOTED* to rescind *VOTE* of August 23rd authorizing the Treasurer to purchase a \$100 War Bond, and instead he was authorized to purchase \$300 worth of such Bonds in the November drive, this being the last of the War Bond series. This will bring the Society's purchase of War Bonds to \$2,500.

THE FIFTH MEETING was held in Hotel Bond, Hartford, February 7, 1946, when the Chairmen of Committees briefly outlined the work done by their respective Committees during the past year.

#### In Executive Session

It was *VOTED* to recommend 7 applicants for the grade of Member and 3 for Associate.

It was *VOTED* to accept with regret the resignation of Walter E. Irving, Walter A. Spencer, and Charles E. Hungerford.

It was *VOTED* to ask the following to prepare Memoirs :

Walter W. Scott for the late George Buttrick.  
George B. Taylor for the late Charles F. Chase.

Lists of members in default were reviewed by Directors with a view to contacting them.

It was *VOTED* to accept the Treasurer's Budget Report for the year ending December 31, 1945, showing an unexpended balance of \$404.00.

On recommendation of the Special Committee on Awards :

It was *VOTED* that current interest from \$1,900 worth of War Bonds amounting to \$46.25 be set aside annually as a Permanent Awards Fund, to finance the Society's Annual Awards for Best Papers.

It was *VOTED* to authorize the Treasurer to convert \$600 worth of Series F Bonds, having a redemption value of \$460.20 to Series G Bonds to secure the additional current income amounting to \$16.25 per annum and to add this to the \$46.25 above voted to be set aside, to make the total annual income from interest on all War Bonds \$62.50.

It was *VOTED* to authorize the Treasurer to use the \$50 gift of the late William R. Dunham, plus any balance required from Savings Account in effecting this conversion.

It was *VOTED* to increase the value of Awards for 1945 Best Papers from \$10 to \$15.

It was *VOTED* to publish as a Supplement to the Annual Report a Records of War Services of the 120 members of the Society who served with the Armed Forces in World War II, together with their portraits when available.

It was *VOTED* to publish in the next Annual Report, at the suggestion of Director Wiley, the recently compiled complete list of all 76 former and present Honorary Members of the Society from 1884 to date. Vice-President Wright submitted a Budget of \$3,150 for the year 1946 but recommended that this be increased by \$180 to permit an increase in the salary of the Secretary and Treasurer from \$60 to \$75 per month. He pointed out that the Budget had been underexpended by more than this amount for the past 3 years.

It was *VOTED* to approve the Budget as recommended in the amount of \$3,330 for the year 1946. The salary increase to be effective April 1.

It was *VOTED* to contribute \$20 to the Red Cross in the February drive. The Committee on Honorary Membership brought in no recommendations for this honor this year.

The Subcommittee of the Papers Committee appointed to recommend the Best Papers of 1945, reported two papers as tied for first place, namely those by Burke L. Bigwood entitled "Rainfall-Runoff Characteristics for 1944", and by Philip Keene entitled "The Value of Soil Mechanics in Highway Engineering"

The Committee also recommended a Special Award to Charles Rufus Harte for his paper appearing in two parts in the 1944-45 Reports entitled: "Connecticut's Iron and Copper," and "Connecticut's Minor Metals and Her Minerals." It was *VOTED* to accept the recommendations of the Committee with thanks and to make the awards accordingly.

Canvass of ballots nominating candidates for offices in 1946 resulted as follows :

For President—F. Walden Wright

For First Vice-President—Albert A. Cross

For Second Vice-President—Theodore W. Jones, Howard R. Manning, John F. Willis, and William A. D. Wurts.

For Directors:

District 1—John H. Keithline and William S. Wise

District 2—Kenneth H. Holmes

District 3—Roger C. Brown, Jay H. F. Clark, Louis P. Stein, and Russell G. Warner.

District 4—Melville F. Taylor

THE SIXTH MEETING was held March 16, 1946, at the home of Vice-President Wright, 4 Lansdowne Avenue, Hamden, when

It was *VOTED* to recommend 12 applicants for the grade of Member, and 1 for Associate.

For The Board of Direction,

H. JACKSON TIPPET,  
*Secretary.*

March 19, 1946.

PRESIDENT BUCK: You have heard the report of the Board of Direction. What is your pleasure?

(A motion to accept the Report was duly made, seconded, and passed.)

PRESIDENT BUCK: Now we will have the Secretary's Report.

#### REPORT OF THE SECRETARY

For year ending March 19, 1946, at 9:00 A. M.

THE SIXTY-FIRST ANNUAL MEETING was held in the Auditorium of the Yale Law School, New Haven, March 20-21, 1945, when 10 papers were presented, of which 8 were by members of the Society.

The complete proceedings of that meeting together with list of New Members elected thereat appears in the Sixty-First Annual Report of Proceedings for 1945, distributed to members December 31, 1945.

During the year 1945 New Members were elected at other meetings as follows:

AT HARTFORD, May 17th, 1945.

To grade of MEMBER: Malcolm E. Deacon, Manchester; Charles W. Harvey, New London; David S. Johnson, Jr., Branford; Roy E. Jorgensen, Hartford; A. Harry Wagner, Hamden.

To grade of ASSOCIATE: Charles L. Burgess, East Haven, and Russell E. Reed, Bridgeport.

AT PINE ORCHARD, August 23rd, 1945.

To grade of ASSOCIATE: Charles E. Barber, West Hartford, and John F. Loughery, New Haven.

AT NEW HAVEN, November 8th, 1945.

To grade of MEMBER: Charles R. Deming, of Dayton, Ohio; Harry A. Ganz, West Hartford; Philip H. McGonegal, Storrs; and Chester F. Proudman, New Canaan.

To grade of ASSOCIATE: Leonard F. Whelan, East Portchester.

With the ending of hostilities applications for membership have taken a decided spurt, and today the Membership Committee will offer some 23 additional candidates for admission.

LIFE MEMBERS: This year we welcome to our distinguished group of Life Members, seven who were elected to membership in 1911 and who are well known to us:

- Major-General Morris B. Payne of New London
- Jonathan S. Randle of Easton
- J. Frank Bowen of Manchester
- Michael A. Connor of Hartford
- Ernest C. Daboll of New London
- Kenneth W. Leighton of New Haven
- Charles E. McDonald of Waterbury

These additions bring the list of our Life Members to 65.

DECEASED MEMBERS: The Society has recorded with sorrow the passing of 11 members during the year, as follows:

	<i>Elected</i>	<i>Died</i>
Daniel J. Linehan	Feb. 16, 1926	May 17, 1945
Frederick R. Silliman	Feb. 17, 1925	May 24, 1945
Frederick W. LaForge, CM&LM	Jan. 13, 1885	June 15, 1945
Edward W. Bush, HM&LM	Jan. 10, 1899	June 23, 1945
John F. Collins	July 25, 1922	July 13, 1945
William H. Shea	Aug. 6, 1941	July 17, 1945
William R. Dunham, HM&LM	Feb. 12, 1907	Aug. 13, 1945
Shepard B. Palmer, HM&LM	Jan. 8, 1895	Aug. 17, 1945
George Buttrick	Aug. 19, 1937	Dec. 3, 1945
Charles F. Chase, HM&LM	Mar. 30, 1900	Dec. 28, 1945
William H. Miller	Nov. 13, 1930	Jan. 8, 1946

THE MEMBERSHIP ANALYSIS for the year ending at 9.00 A. M. today (March 19, 1946) shows a net increase of 13 during the year. This does not include those who will become members of the Society later today:

<i>Grade</i>	<i>Last Report</i>	<i>Transf. Reinst. Elected</i>	<i>Trans.</i>	<i>Resig.</i>	<i>Died</i>	<i>Dropped</i>	<i>Net Chg.</i>	<i>THIS REPORT</i>
Hon. Mem.	22	—	—	—	5	—	—5	17
Mem.	857	24	—	4	5	—	+15	872
Assoc.	125	7	—2	1	1	—	+3	128
<b>Totals</b>	<b>1004</b>	<b>31</b>	<b>—2</b>	<b>5</b>	<b>11</b>	<b>—</b>	<b>+13</b>	<b>1017</b>

Paying Members .....	943	Voting Members .....	884
Members exempt .....	74	Non-voting Members .....	133

MEETINGS. Up until V-J Day, August 14, 1945, the war-time restrictions on travel and catering severely curtailed meeting attendance, but the lifting of the restrictions made our meeting in New Haven on November 8th like old times and permitted a pleasant reunion and renewal of many old acquaintances.

OUR SERVICE FLAG, we are pleased to note, shows a reduction from 120 members serving the Armed Forces to 57 at this time who are still in uniform. We are

delighted to welcome the return of the 63 who have been mustered out. Tabulation of the status of our Service Members may be said to be:

Died .....	3
On Inactive Reserve .....	27
Honorably Discharged .....	33
On active service .....	57
	<hr/>
	120

The Society will continue through its War Effort Committee to keep in the closest touch with those still absent.

The establishment of a Permanent Awards Fund from the annual interest received on its War Bonds, by the acceptance by the Board of the suggestion of the Special Awards Committee is worthy of special note. The same idea was started in World War I from the interest from Liberty Bonds by our late President William R. Dunham, but when the Liberty Bonds matured the principal realized therefrom was not re-invested and continued for that purpose but merged with the general funds. It is hoped this will not happen when the War Bonds now held mature. With many sound investments possible in Connecticut utilities, the income from this Fund should increase, and make possible more Society Awards and of greater monetary value.

The wholehearted interest of your Officers and Board has maintained the Society at a high level through difficult times. The Society is in excellent condition and ready to contribute in any way it can to the busy and prosperous days that lie ahead.

H. JACKSON TIPPET,

*Secretary.*

March 19, 1946

(During the reading of the Report, President Buck called upon all to rise during the reading of the names of those who passed away.)

PRESIDENT BUCK: You have heard the Secretary's Report. What is your pleasure? (A motion to accept the Report was duly made, seconded, and passed.)

PRESIDENT BUCK: The next item of business is the Report of the Auditors.

### REPORT OF THE AUDITORS

February 3, 1946.

*To Members of the Society:*

Gentlemen:

We have duly examined the books and records of the Treasurer, and are satisfied that his Report is a correct statement of the Society's financial condition as of December 31, 1945.

Very truly yours,

F. WALDEN WRIGHT,

T. W. JONES,

*Auditors.*

PRESIDENT BUCK: You have heard the Report of the Auditors. What is your pleasure?

(A motion to accept the Report was duly made, seconded, and passed.)

PRESIDENT BUCK: We will next have the Treasurer's Report for which we will call upon Mr. Tippet again.

REPORT OF TREASURER

Year ending December 31, 1945

RECEIPTS

Balance in New Haven Bank, NBA, January 1, 1945 .....		\$1,369.60
Received from dues for 1941 .....	\$ 6.00	
1942 .....	28.00	
1943 .....	102.00	
1944 .....	368.00	
1945 .....	2,604.00	
1946 .....	776.00	3,184.00
From sale of Society Emblem Pins .....	25.00	
From Book sales .....	6.25	
From interest on War Bonds .....	46.25	
From ASCE share of New England Conference expense .....	10.00	
From miscellaneous collectible accounts .....	117.83	
From Savings Accounts against War Bond purchases .....	400.00	
From checks 1155 and 1157 outstanding .....	14.66	
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		\$5,173.59
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DISBURSEMENTS

I. PROCEEDINGS		
Expended on 1944 book in 1945 .....	\$1,251.17	
Less Ads paid in 1945 .....	679.00	\$ 572.17
Expended on 1945 book in 1945 .....	245.76	
Less Ads paid for in advance .....	36.00	209.76
II. PRINTING, STATIONERY & SUPPLIES		
(a) Printing .....	448.07	
(b) Stationery and Supplies .....	32.84	480.91
III. POSTAGE & MAILING		
(a) Postage, general .....	484.91	
(b) Postage on Proceedings .....	125.74	
(c) Stenographic service .....	91.30	701.95
IV. MEETINGS		
(a) Annual, gross cost .....	701.85	
Less income from dinner tickets .....	507.00	194.85
(b) Summer, gross cost .....	311.90	
Less income from dinner tickets .....	276.00	35.90
(c) Local, gross cost .....	513.90	
Less income from dinner tickets .....	314.00	199.90
V. ADMINISTRATION		
(a) Salary of Secretary and Treasurer .....	717.60	
(b) General office expense .....	76.21	793.81

## VI. MISCELLANEOUS

(a) Tokens of respect .....	70.00	
(b) New England Conference .....	20.00	
(c) Prizes for Best Papers .....	30.00	
(d) Publicity .....	—	
(e) General .....	—	
(f) Certificates .....	52.50	
(g) Connecticut Technical Council .....	88.05	260.55
Contribution to National Red Cross .....		20.00
Recollectible accounts .....		45.84
Miscellaneous refunds .....		50.00
Mapping Code, half cost of printing .....		49.00
Purchase of 4 \$100 War Bonds .....		400.00
Bank charges .....		15.48
Balance in New Haven Bank, NBA, December 31, 1945 .....		1,143.47
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		\$5,173.59

## FINANCIAL STATEMENT

December 31, 1945.

## ASSETS

## Claim on Mechanics Bank in liquidation:

Savings Account 7405, 85% of \$1,033.06 .....	\$ 878.09	
Less ten dividends received, or 80% .....	826.44	\$ 51.65
Deposit in New Haven Savings Bank plus interest .....		121.58
Deposit in Connecticut Savings Bank plus interest .....		171.51

## United States War Bonds purchased:

\$100 C26548 F, May 1941 .....		78.60
500 D13944 F, May 1941 .....		393.00
1000 M230273 G, September 1941 .....		947.00
100 C1433898 G, May 1943 .....		95.60
100 C1894743 G, September 1943 .....		96.20
100 C2358969 G, February 1944 .....		96.90
100 C2831188 G, June 1944 .....		96.90
100 C3287022 G, December 1944 .....		97.80
100 C3488172 G, May 1945 .....		98.80
100 C3907331 G, November 1945 .....		98.80
100 C3907332 G, November 1945 .....		98.80
100 C3907333 G, November 1945 .....		98.80
Accounts receivable from 1945 advertising .....		888.00
Value of Society Emblem Pins on hand .....		15.00
Inventory of office furniture and supplies as of Dec. 31 .....		222.00

## Estimate of Dues Receivable:

For 1943, \$160, 25% in 1946 .....		40.00
For 1944, 304, 50% in 1946 .....		152.00
For 1945, 636, 75% in 1946 .....		477.00
Balance in New Haven Bank, NBA, December 31, 1945 .....		1,143.47

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\$5,579.41

LIABILITIES

Undistributed assets as of January 1, 1945 .....	\$5,694.23
Reduction in value of Assets for year ending December 31, 1945 .....	114.82
	\$5,579.41

H. JACKSON TIPPET,  
*Treasurer.*

PRESIDENT BUCK: Do any of you have any questions you would like to ask regarding the Treasurer's Report? If not, what is your pleasure?

(A motion to accept the Report was duly made, seconded, and passed.)

PRESIDENT BUCK: The change in the proceedings established at the last Annual Meeting postponing the President's Address to the afternoon session gives me an opportunity at this time to express to Jackson Tippet my personal appreciation for all that he has done during the year.

I do not believe that any of you who have not held office in this Society appreciate to what a tremendous extent our Secretary has the affairs of this Society in hand and guides them with such reticence, I will say.

He not only has the regular routine of his office to attend to, but there are a great many other less obvious duties which he performs. I wrote down quite a few of them here, but I do not think I need to enumerate them to you. I think you all know them.

The thing I do want to emphasize is the way in which Jackson so completely manages and so well manages his office. He keeps all the strings in hand at all times and has been very successful in keeping me on the line and getting the affairs of the Society carried through in proper form.

His devotion to the Society is something that only those who have had to work with him can appreciate. I think we are all very, very fortunate in having the advantage of his services in his present position. I want to let you know how much it has meant to me to have his assistance during this year.

I do not want to pass this point without presenting my compliments, also, to Assistant Secretary Joe Drury, who sits way over in the back there, and who has done so much to make our meetings run successfully. (Applause)

The next items of business are the Reports of the Chairmen of our Committees. I think we can postpone acceptance of them until they have all been presented.

The first of these is the War Efforts Committee of which Major Barry is Chairman. Director Bolton will report for him.

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MR. WILLIAM M. BOLTON: Mr. President and gentlemen. I have the honor to read the report of Mr. Barry, who is just getting over a serious attack of the flu, and because of his weakened condition, regrets very much that he cannot attend this meeting.

REPORT OF WAR EFFORT COMMITTEE

*Members, Connecticut Society of Civil Engineers:*

Gentlemen:

The Committee on War Effort is quite concerned over the rehabilitation of returning veterans who are on the rolls of this Society. Conferences have been held having to do with their welfare and counsel. Various veteran association directors have been contacted in order that proper advice might be extended to our veterans.

The accompanying chart has been made up in cooperation with the Secretary of the Society, and it should give a very satisfying and comprehensive answer to most of the questions which the returned veteran would wish answered, at least in New Haven area.

In keeping with the custom established by our late chairman, individual Christmas cards were mailed to all our known members in service. We hereby acknowledge our great loss in the death of our past chairman, J. Frederick Jackson. He was ever solicitous for the welfare of members in service.

Every effort has been made to advise the Society of the location of our members in service as has been evidenced by the news letters, and a service record is being compiled which will show as accurately as information is available the awards and decorations to members of the Society for their initiative, loyalty and fidelity to the cause of the United States of America in the recent World War. In this instance, it is worthy of note that some of the members have performed extraordinarily valiant services of which their fellow members may well be proud.

Respectfully submitted,

W. VINCENT BARRY,  
*Chairman.*

## APPENDIX TO REPORT OF WAR EFFORT COMMITTEE

### LOCATION AND RESPONSIBILITIES OF VARIOUS AGENCIES AIDING VETERANS IN NEW HAVEN, CONN., AREA.

SUBJECT COVERED	AUTHORIZED AGENCY	UNDER CITY, STATE OR NATIONAL JURISDICTION
1. INFORMATION ON DEMobilIZATION	a. Veterans' Center, Cedar St. School, Bureau of Appointments .....	City
	b. Vocational Counseling Service, Inc., 30 Davenport Ave., Aptitude tests .....	State
	c. War and Navy Depts. Draft Boards .....	National
2. MUSTERING OUT & DISCHARGE PAPERS	At Camp or Separation Center .....	National
3. G. I. RIGHTS	a. Veterans' Information Bureau, Cedar St. School (Forms) .....	City
	b. Cedar St. School .....	National
4. ALLOTMENTS FOR DEPENDENTS	Local Red Cross, 294 Cedar St. ....	City
5. BENEFITS	a. Cedar St. School .....	City
	b. Cedar St. School .....	State
	c. Veterans' Administration, Cedar St. ....	National
6. EDUCATION	a. New Haven Chamber of Commerce, Courses at Yale .....	City
	b. Bureau of Rehabilitation, 185 Church St. ....	State
	c. Veterans' Admins., Cedar St. School .....	National

SUBJECT COVERED	AUTHORIZED AGENCY	UNDER CITY, STATE OR NATIONAL JURISDICTION
7. TRAINING	a. If High School, Cedar St. School ..... b. Bureau of Rehabilitation, 185 Church Street ..... c. Veterans' Admins., Cedar St. School .....	City State National
8. VETERANS' JOBS	a. Local U. S. Employment Service, 673 Chapel Street ..... b. Conn. Re-Employment Commission, State Armory, Hartford ..... c. U. S. Employment Service, 673 Chapel Ctreet .....	City State National
9. SENIORITY RIGHTS	U. S. Selective Service, 1044 Chapel .....	National
10. SOCIAL SECURITY	Social Security Board, 1044 Chapel .....	National
11. REINSTATEMENT OF INSURANCE	Veterans' Admins., Cedar St. School .....	National
12. VOCATIONAL REHABILITATION	a. Red Cross Home Service, 265 Church St.; also Cedar St. .... b. Bureau of Rehabilitation, 185 Church St. .... c. National Red Cross, 12 Hillhouse, and Bureau of Rehabilitation, 185 Church St. ....	City State National
13. MEDICAL CARE	a. Red Cross Home Service, 265 Church St. .... b. Soldiers, Sailors & Marines' Fund, 171 Church St. .... c. Veterans' Admins., Cedar St. School .....	City State National
14. HOSPITAL CARE	a. Soldiers, Sailors & Marines' Fund, 171 Church St. .... b. Veterans' Admins., Cedar St. School .....	State National
15. PENSIONS	Veterans' Admins., Cedar St. School .....	National
16. VETERANS' CHILD WELFARE	a. Council of Social Agencies, 165 Elm St. .... b. Aid to Dependent Children .....	City State
17. DEATH BENEFITS	a. Cedar St. School ..... b. Veterans' Admins., Cedar St. School .....	State National

SUBJECT COVERED	AUTHORIZED AGENCY	UNDER CITY, STATE OR NATIONAL JURISDICTION
18. CLAIMS	Veterans' Admins., Cedar St. School . . . . .	National
19. HOUSING	N. H. Real Estate Board, 9 Center . . . . .	City
20. LOANS UNDER G. I. BILL	Veterans' Admins., Cedar St. School . . . . .	National

PRESIDENT BUCK: Thank you very much, Bill.

Our War Efforts Committee has done a splendid piece of work. I know they will carry on next year as indicated in the Chairman's Report.

The next report is that of the Meetings Committee. Chairman Wise.

#### REPORT OF MEETINGS COMMITTEE

*Mr. President and Members:*

It is gratifying to report that with 120 of our members serving in the armed forces, helping to bring VE and VJ days to realization, the members on the home front together with their contributions to the fruition of these memorable days; and under war restrictions, showed a continued loyal interest in the affairs of the Society as evidenced by the successful meetings held throughout the year.

The Spring Meeting was held at the City Club in Hartford on May 17 with 71 members and guests present. The Society awards for best papers appearing in the Annual Report of 1944 were presented at this meeting by Past President Clarence Wiley. The open award, due to a tie in judging the papers, was presented to Dr. Charles-E. A. Winslow for his paper entitled "Housing and Planning", and to William J. Cox for his paper entitled "Highway Planning for Connecticut". The intermediate award was presented to Charles E. Downe for his paper "Master Planning". The guest speaker was Charles H. Davey, Chief, Section of Photo-Mapping, U. S. Geological Survey, Washington, D. C., whose subject "Recent Mapping Developments and Their Application to Post War Engineering" was illustrated. Burke L. Bigwood, local chairman, and his committee arranged this splendid meeting.

Due to O.D.T. travel restrictions it was necessary to substitute two local meetings for the usual state-wide summer meeting originally planned to be held at Lake Compounce in Bristol. The Hartford area meeting was held at the Indian Hill Country Club, Newington, on August 9, with 24 members and guests attending. The New Haven area meeting was held at The Pine Orchard Club, Branford, on August 23, with 49 members and guests present. The comparatively small attendance at these meetings in no way reflects the time and efforts spent by William B. Griffin, Chairman, John H. Hurley and William M. Bolton, Vice-Chairman, and their committees in making the best possible arrangements. It is hoped that conditions will never again prevent the holding of a state-wide summer outing and meeting.

The Fall meeting was held in New Haven on November 8 with afternoon inspections of the American Cyanamid Company plant at Wallingford and the new Ranney Type water supply well, with 110 members and guests attending. The guest speakers were Malcolm Pirnie, Consulting Engineer, New York, who spoke on "The War-Development of Engineering", and Mr. McCail, American Cyanamid Company, who

gave an illustrated talk on "Technical Aspects of Thermo-Setting Resins in Industry." The courtesies extended to us by the American Cyanamid Company officials and personnel, together with the excellent job by Thornton J. Converse, local chairman, and his committee on arrangement was greatly appreciated.

Today we are gathering for our 62nd Annual Meeting, the first in five years not beclouded by war. It has been necessary, however, to change our customary proceedings in one respect, that is the place of our annual banquet on the program. In spite of the fact that preliminary arrangements for the meeting were started over three months ago, it was necessary, due to prior reservations, to change the banquet time from the evening of the first day's meeting to the evening of the second. Charles W. Cooke, local chairman, and his committee have earnestly endeavored to make arrangements for this meeting that will meet with your approval and your enjoyment. Your officers and your various committees have extended every effort to provide a good program and make it both profitable and enjoyable for you. They trust you will all absorb and contribute your share of the spirit of good fellowship. The meeting will then be a success.

In conclusion, there is neither sufficient space nor time to acknowledge individually the help and advice received from your officers, your various committee members and many others within and outside of our membership, in arranging these meetings and it was a pleasure to work with all of you.

Success, growth and pleasure is always the result of such a fine spirit of cooperation which exists within our Society.

For the Meetings Committee,

WILLIAM S. WISE,  
*General Chairman.*

PRESIDENT BUCK: Thank you very much, Bill.

The Meetings Committee has had a very real job this year and they have done it without any help from their President. They have done an excellent job. I am very proud of what they have done.

The next on the program is the Papers Committee. I do not think Professor Castleman is here yet. Perhaps we had better pass that for the time being. Is there anyone from his Committee ready to report?

Next is the Publicity Committee. The Secretary will report for Joe Drury, Chairman.

#### REPORT OF PUBLICITY COMMITTEE

SECRETARY TIPPET: I have only this to say: that the publicity arrangements this year prior to VJ day had to be very much curtailed. We found, however, that by releasing the publicity announcements directly to the AP Editor in New Haven, it went out immediately over the AP wire to all Connecticut cities for use if space was available. This was an excellent arrangement and saved this activity from becoming a war burden. With the close of hostilities we are gradually returning to pre-war basis.

PRESIDENT BUCK: Thank you.

I think with all the war news we have had in the papers these last years, to get any Society publicity at all is quite an accomplishment. The Committee has done very well.

Our next report is the Membership Committee, Chairman Dwight Hogg.

## REPORT OF MEMBERSHIP COMMITTEE

Mr. President, Members. The net increase in membership is thirteen, plus the number of members to be voted on today, that is twenty-three, making a total of thirty-six for the year. There were elected on the 17th of May, seven new members; August 23rd, two new members; and November 8th, five new members. We had no meetings of this Committee due to conditions beyond our control, but they have done, I think, a fairly good job in presenting about three new members a month.

This Membership Committee is a very important committee in this Society because we are going to need new blood, younger blood, to run this Society later on, and I shall endeavor to bring in more new members as I get around, now that I am free to act.

There is one member on this Committee who has, I think, six or seven names of ex-service men who are just a little bit tied up for cash, so they are coming in sometime during 1946.

I hope that the next Chairman of this Committee will call on me if he thinks that I can help him in bringing in new members, or if he has any suggestions that he wants to pass on to me to talk to some prospects that he cannot see, I want him to feel free to do so. Every member of this Society, I think, should try to bring in at least one member during the year. I believe it is possible because the prospects to me seem to be very good for 1946.

For the Membership Committee,

DWIGHT A. HOGG,  
*Chairman.*

PRESIDENT BUCK: Thank you very much, Dwight.

Again, this has been a poor year in which to try to increase the membership of any organization. I think the Committee has done very well to show any increase at all. I hope that in the coming years, with the young men returning to professional activities in the state, we will be able to show a steady increase in our membership.

The next on our list is Fellowship. Brownie Nettleton. He is not here. Is anybody reporting for him? Then we will wait until he gets here.

The Publications Committee. Louis Stein, Chairman.

## REPORT OF THE PUBLICATIONS COMMITTEE

In the year 1946, there were \$914 worth of advertisements obtained for the annual publication, which is approximately \$80 more than the previous year.

With the war conditions in the past several years, some of our old advertisers have not advertised in our publication, and with the return of the reconversion period, I hope and expect that many of the old advertisers will return and we will obtain renewals and new additional ads.

LOUIS P. STEIN,  
*Chairman.*

PRESIDENT BUCK: I think it is significant again that we are continually increasing our income from advertisements which shows that our publication is becoming more and more accepted as a suitable advertising medium, and I think it bodes well for the improvement of the publication in years to come.

The next Committee is Employment. Our Secretary:

## EMPLOYMENT SERVICE

With the termination of hostilities many have left factory jobs, including not a few of our members.

Few, if any, of these have experienced any difficulty in locating new employment.

Returning veterans have in large measure returned to their former jobs, being aided in so doing by State legislation. Some have found new employers, others are taking their time looking over the ground and have been referred by us to probable openings.

The construction experience gained during the war by many Seabees is an asset that employers should take into account, but there may be some cases where present ability appears somewhat obscure. We bespeak for these Veterans immediate temporary employment, until their efforts have had time to indicate more clearly their best permanent rating.

Recent openings have been announced by the State Housing Authority, State Health Department, Public Utilities Commission and the State Highway Department.

Indications are that engineers will continue to be much in demand. It is hoped that this demand will not result in such accelerated and abbreviated courses for present day engineering students as to cause any lowering of the former high educational standards for professional men.

H. JACKSON TIPPET,

*For the Employment Service.*

March 19, 1946.

PRESIDENT BUCK: Thank you, Jackson.

Obviously, there has not been much of an unemployment problem during the last year, and I doubt if there is going to be one. I think we are fortunate in having the machinery all set up to take care of it if one should develop.

The next is the External Affairs Committee of which Willard Brewer is Chairman. I know that he is very sick and cannot be here today. Is there anybody here to report?

I understand the Committee has been inactive this year. There has been little for them to do.

SECRETARY TIPPET: I might just mention, Mr. President, that there was one matter referred to them: that of collective bargaining from the Technical Council, and I do not believe you gentlemen realize how difficult it is to try and find out just how that affects the civil engineer. I have tried. I have tried for months, and I have analyzed our membership to see who might possibly be affected by collective bargaining.

I cannot find that anyone is, except possibly a few scattered in the industries. And there are not so many of our members in industry. They are mostly in municipalities or with the state and those are already covered by their local unions. So that I do not see where collective bargaining affects the Connecticut civil engineers to any extent that would warrant or would make possible any kind of a report by us to the Council on their behalf.

MR. CLARENCE N. WILEY: I think that that increase of eighteen and a half cents an hour is of more interest than of being a professional engineer. (Laughter)

PRESIDENT BUCK: Now I have a really distinctive pleasure.

Last year, your President did all the work on the Legislative Committee, and when it came to the Annual Meeting, he asked me if I would read his report. Then he forgot to call on me. This year, I have not forgotten him. Clarence.

## THE REPORT OF THE LEGISLATIVE COMMITTEE

*Mr. President:*

Your Legislative Committee reports that during the 1945 session of the Legislature it was very active in supporting or opposing bills which were of interest to our members. Your chairman appeared and spoke at all Committee hearings and at several of the more important ones obtained the support of fellow members. Because of the political deadlock between House and Senate, a great deal of proposed legislation received no consideration.

The following list indicates final action on Bills:

- HB 226. Surveys to be filed with town clerks. Passed.
- HB 289. Put Geodetic Survey under Highway Dept. Passed.
- HB 431. Appropriation for Geodetic Survey. Rejected by House.
- HB 416. Filing land title surveys. Rejected by House.
- HB 731. Permanently bind state boundary records. Rejected by House.
- HB 781. Perambulate state boundary lines. Passed.
- HB 160 and 162. Grant funds for post war plans. Rejected by House.
- HB 404. Amend architects' Examining Board law. Rejected by House.
- HB 405. Reference architects' Board fees. No action by committee.
- HB 435. Establish fine arts commission. No action by committee.
- HB 439. Same as 435. Returned to committee. Died.
- HB 489. Establish Department of Public Works, Norwalk. We urged director be registered engineer but this feature stricken out. Passed.
- HB 1127. Revise charter City of Stamford. No action.
- SB 202. Same as HB 1127. Rejected by Senate.
- SB 111. License Stationary and Boiler Engineers. Died in committee.
- SB 185. Regarding building inspectors. Rejected by Senate.
- SB 218. New Topographical Survey and Map of State. Died in committee.
- SB 223. Create State Planning Commission. Died in committee.
- SB 352. Draft state building code. Passed.
- SB 132. Require state approval of sewerage and water systems in new residential developments. Rejected by House.
- SB 513. License refrigerating operators. Died in committee.
- HB 1031. Create Commissioner of Licensed Occupations. There was so much opposition that a substitute bill was offered directing State Legislative Council to study subject and report in 1947. Substitute Passed.

Respectfully submitted,

CLARENCE N. WILEY,  
*For the Committee.*

MR. WILEY: I have here a list of bills in which we are interested and the action on them, and you will find most of them were rejected or died in committee or no action was taken in committee, and so on. I do not think you should be bored with reading the list. It will appear in the records. If you want to know and are interested in any of the bills, let me know and I will look it up for you.

The one that we were particularly interested in was House Bill 1031, which creates a Commissioner of Licensed Occupations. That means they propose to set up a new Commissioner with a nice fat salary and he is to act ex-officio as Secretary of each one of the Registration Boards. When eighteen of the now twenty-two (at that time there were twenty-one) Boards are highly technical, it would just be a physical impossibility for any one office or any one man to act as Secretary of all of those Boards.

That would mean, and maybe the thought was behind this, that there would be a nice fat fee for a Secretary for each one of those Boards. As you know, with our

Board, our Secretary acts for just a nominal salary, and there are a lot of others the same way.

We opposed it so vehemently up there that they finally came out with a substitute bill directing the State Legislative Council to study the subject and report in 1947, and that substitute was passed.

Well, all that has been done on that is that Cleveland, who is the Technical Director of the Legislative Council, wrote around to a few of the states to find out their practice. He found that the Registration Boards run by all sorts of agencies—the Board of Health, the State Board of Education, and a number of others—and so far as I can learn, unless they have had their meeting within the last week, nothing has been done. The Chairman of the Subcommittee of the Legislative Council has been in Florida all winter and has just returned, and they have not had any discussion on this subject.

We have been keeping closely in touch with it. In the meantime, we have canvassed the whole country and found out what each state does where they have registration, and nearly all of them have it.

We are particularly interested in one thing, and Bill Simpson and I have come to this conclusion: We don't care what they do with the other Boards except the Engineers and Architects. I think we should help the architects in their fight because they are rather closely allied to us and we are going to take the stand and make a fight that the Engineers and Architects Registration Boards be left as they are.

When this Board was sponsored by the engineers, the dues were set up to an amount so that there would be a balance built up in case the men did not register in such numbers as they finally did. Another Board might find itself after a few years with insufficient funds to operate. Well, as probably a lot of you know, that balance is built up now to something around twenty thousand dollars, and we are certainly going to put up a fight not to have that just dumped into the general fund and the Board put under the control of the Budget Director and Comptroller, and so on, and the money dished out as they see fit.

So we are just going along quietly. We have not given any publicity to it because we cannot do that until the Legislative Council comes out with some indication of how they feel about it. I want you all just to know we cannot say much about this at the present time but we are working on it and we want the support of every member to oppose any attempt to put the engineers and architects under this control.

Their only argument is this: that all of these accounts have to be audited four times. Well, goodness knows, they have got enough people over there in the State Capitol doing nothing most of the time.

If they have to audit these accounts four times and then set up budgets and give each Board a certain amount of money to operate each year, at the end of that year those accounts have to be audited, anyhow, haven't they? So they have to go through the same four hands that they are going through now. Therefore, what difference does it make whether these accounts are kept as sequestered accounts and are audited as such or they are budgeted out when, at the end of the year, they have to be audited by these four different groups the same way?

I cannot see that there is any argument there at all. So just keep in mind that when anything comes out, you will be advised of it, and the whole organization will be asked, when necessary, to get busy around the state and oppose any attempt to change our present set-up.

Thank you, Mr. President. I did not mean to talk so much.

PRESIDENT BUCK: Always glad to have you. Thank you very much.

I think we have been very fortunate in our legislative program. Those of you who have been in the Society a good many years will remember that Fred Ford carried the ball for a good many years and then Senator Rumpf. In the last decade, Clarence has done yeoman's work for us. He has been attending hearings on bills in which we were interested, many of which were acted upon as we wished to have them. I think he has had every success because our wishes have always been in conformance with the best interests of the community.

The next Committee is the Internal Affairs Committee. Ted Jones, Chairman.

### REPORT OF INTERNAL AFFAIRS COMMITTEE

*Mr. President and Members:*

A suggested "Canons of Ethics for Engineers" proposed by the Engineers' Council for Professional Development, together with a re-draft rearranged and edited by the American Institute of Consulting Engineers dated June 1st, 1943, was studied by members of this Committee for the purpose of deciding whether it would be advisable to have the Board take action regarding its possible adoption by our Society.

Every one of the members reported and I am not going to take the time to read the individual reports at this time. Suffice it to say the consensus of opinion regarding this proposed "Canons of Ethics for Engineers" was that it covered in a great many words the same grounds as the code that our Society adopted in 1942. It was felt that our code was short and concise and sufficient in detail to cover our engineering requirements and that there is no real need to make any code changes at present. This correspondence is being turned over to the Secretary who in turn may submit it to the incoming Chairman of the Internal Affairs Committee, but it is our recommendation that no further action be taken at this time.

It was the recommendation of the previous Internal Affairs Committee that a certificate of membership in the Connecticut Society of Civil Engineers, Inc., be provided on the request and at the cost of the applicant desiring it. These certificates are to be on distinctive forms to differentiate between members and associates. Consequently, we have offered two prizes, one each for the two best designs submitted for certificates indicating membership in this Society and suitable for framing. These will be on exhibition at the next meeting after the annual meeting, and the winning contestants' names will be announced in the notice of the first meeting thereafter, at which time the President will present the prizes. These new certificates should be available for issuance from the Secretary's office during the summer of 1946 and will be at the minimum cost, to be determined. We urge everyone, particularly draftsmen, to submit their suggested designs for this purpose so we may have several to choose from.

I want to take this opportunity to thank every member of the Committee who took the time and trouble to study the proposed code and send a written report to the Chairman.

For the Committee, respectfully submitted,

THEODORE W. JONES,  
*Chairman.*

PRESIDENT BUCK: Thank you very much.

Your Committee really did a lot of work on the Code of which he has spoken. I think their conclusion was very sound.

I do not know quite what to say about the diplomas. We hoped to have them on display at this meeting but, unfortunately, there has not been sufficient response. I would ask that all of you urge anyone that you know who might be interested in preparing a design, to do so, so that at our next meeting we will have an adequate number of designs from which to select the one to be used by the Society. We have only received one design so far and we ought to have three or four of each type.

The next Committee is the Awards Committee of which Vincent Clarke is Chairman. He is not here. Is there anyone else here from his Committee to read the report? If not, we will pass that for the time being.

We now come to the Connecticut Technical Council Report which I think Mr. Wright is prepared to make. Walden.

MR. F. WALDEN WRIGHT: Mr. President, Members. I did not know until late that it was a function of the junior delegate to the Technical Council to make a report. Being a junior delegate, I was somewhat flighty as to what all the discussion was about, and I may have made some misstatement in here which may need editing before they are published in the proceedings.

#### REPORT OF DELEGATES TO CONNECTICUT TECHNICAL COUNCIL

The delegates from this society to Connecticut Technical Council have attended or been represented at the meetings of Council since beginning of Council's year in June, 1945. The delegates at the Annual Meeting were: C. N. Wiley and H. W. Buck. Mr. Wiley's term expired at this meeting and F. W. Wright was admitted as the new delegate. Mr. Buck was elected chairman of Council for the year 1945-1946, succeeding Prof. Charles S. Farnham. It is not deemed necessary to outline in detail all the matter discussed since they have been sufficiently well presented to the members of this Society through the quarterly bulletins of Council.

It is, however, especially noteworthy that the dues for member groups to Connecticut Technical Council have been raised from \$5.00 per 100 members to 15 cents per member in order to finance the publication of the bulletin.

At the December meeting, The Institute of Radio Engineers, Connecticut Valley Section, was admitted to membership in Council, so that Council is now composed of twelve technical groups.

The Council has voted to oppose any measure designed to consolidate the twenty-one Licensing Boards of the state. This conclusion was reached after hearing report of C. N. Wiley, Legislature Committee of Connecticut Technical Council, and the State Board of Registration for Professional Engineers and Land Surveyors, represented by James A. McElroy, chairman, W. K. Simpson, secretary, and Russell G. Warner.

Council went on record as favoring a bill aimed at carrying out the recommendations in the report of Dr. Vannevar Bush, as embodied in a bill before Congress introduced by Senator Magnuson. The Bush report and Magnuson bill provides for a National Research Foundation.

There was discussion of such subjects as: engineering ethics, rotation of chairmanship of Council among various groups; fees for architects and collective bargaining. On these matters no definite action was taken.

Your delegates found the meetings extremely interesting and well worthwhile, and believe Connecticut Technical Council has a definite place in the broad field of professional engineering and technology.

HENRY W. BUCK,  
F. WALDEN WRIGHT,

*Delegates to Connecticut Technical Council.*

PRESIDENT BUCK: Are there any other Committee reports which I have overlooked?

We have three others which are to be heard later, but I would like at this time to formally express my appreciation for the work of the various Committees.

Those of you who have held the position I find myself in will know that a year ago I entered upon this duty with a great deal of trepidation. In all the matters that I have had to attend to, all the things that have come to my attention, there has been one thing which has impressed me more than anything else, and that is, the unbelievably splendid cooperation which your President gets from his Committees. I have never known of an organization where the President, after being advised by the Secretary, could suggest to a committee chairman that something should be done, and then forget it, only later to find that it has been beautifully taken care of, better than he could ever do. That has been the case all through this year.

It has been a surprise, and a happy surprise, to me to find what perfectly marvelous cooperation I have received from the Committees and what splendid work they have done. I commend all the Committees and all of their members for the excellent work they have done throughout this year in such trying times.

I think it might be appropriate for us to take a recess for five minutes. Then, possibly, by that time the three Reports we have passed over will be here.

(A recess was taken at this point.)

PRESIDENT BUCK: We do not seem to have improved our situation with regard to these Committee reports at all. The Papers Committee of which Professor Castleman is Chairman. This program today is in effect his report, which we all have before us. He has done a very good job this year. These are not easy times in which to get people to give talks and he has succeeded in getting some very interesting papers for us; he deserves a great deal of congratulation for having done so.

Fellowship Committee. I thoroughly expected Brownie Nettleton to be here, but apparently he has been detained. Quite probably there has not been a great deal for the Fellowship Committee to do this year, but he arranged quite successfully for the representation of the Former Presidents at the banquet tomorrow night as was voted at our last Annual Meeting.

The Awards Committee of which Vince Clarke is Chairman has been responsible this year for the proposal adopted by the Board by which the interest from our war bonds is to be segregated for the prizes awarded by the Society annually.

I think that completes our Committee Reports roster, and it is now in order to accept them. Do I hear such a motion?

It was moved, seconded and voted to accept the Committee Reports with thanks.

REPORT ON THE  
TWENTY-FIRST ANNUAL NEW ENGLAND CONFERENCE  
AT  
BOSTON,  
NOVEMBER 15 AND 16, 1945

The 21st Annual Conference, convened jointly by the New England Council and the six New England governors, was held as usual, at the Statler Hotel, Boston, November 15 and 16, 1945, and with President Buck's authority I attended as our delegate, registering our Society as one of the 18 New England engineering associations which were listed as co-sponsors in the various circulars and the program. Mr. Thomas J. Russell was Connecticut Technical Council's official representative.

The morning of the first day was given to committee meetings and the viewing of exhibits, of which there were six groups.

The Municipal Reports competition, sponsored by the Community Development Committee of New England Council, in co-operation with the Maine Municipal Association, the University of New Hampshire, the Vermont State Chamber of Commerce, the Massachusetts Selectmen's Association and the University of Connecticut, displayed the four best entries in each of the five classes: I, Under 500 population; II, between 500 and 1,000; III, between 1,000 and 2,500; IV, between 2,500 and 10,000; and V, over 10,000. In Class V Connecticut had three winners: Greenwich, second place; New Haven, which in the State contest had been first, was third; and Stratford fourth. In Class IV Bloomfield was first, and Wethersfield third. Connecticut did not place in any of the other three classes.

Next came the exhibit of the Herb Society, with many publications and an extensive display of dried herbs, and propaganda on the desirability of herb gardens and their commercial possibilities.

The Magnesium Association showed castings, forgings, and rolled and extruded shapes of magnesium and magnesium alloys as produced by several New England

concerns; a lawn mower, weighing 29 pounds as against 42 pounds for the same machine in all steel; a chair; wheelbarrow; baby stroller; skis, bat, catcher's mask, etc. The bat was for Dixie Walker, who had broken 36 wooden bats before he received this one.

The Federal Government had three booths. The Department of Labor showed a large series of employment, unemployment and reconversion charts; the Department of Commerce exhibited many pamphlets in its many fields; and the Custodian of Alien Property had lists of and general information regarding, aliens' patents seized by the Government and now available for lease.

Formal exercises began with the "Governors' Luncheon" at 12:30. President Fredrick Blackall presiding. President Truman had sent a message congratulating the Council on its enviable war record, and urging that it meet the great industrial issues facing the country in the same spirit and way, and wishing it all success.

Blackall told how Council, organized at Worcester in 1925, had laid down the program by which it met and reversed the trend of defeatism then facing industry, but that now the principal problems confronting it are national rather than sectional; he felt Congress much impose upon labor the same responsibilities and obligations that it has imposed upon management; and the present ideas of shorter hours and higher wages, unless there is a balancing increase in production, are bound to wreck the economy of the country.

Brigadier General Crane described in detail the great care taken to be sure the returning GI is in the best of condition before he leaves the service, and that he is fully posted on his rights; Captain McGlone, speaking in place of Admiral Gygax, who was at Admiral Kiefer's funeral, urged that we keep sufficiently strong to deter any nation from attacking us; Stabilization Director Collet promised that price controls would be removed as soon as production warranted it. Finally, Vice-President Goad of General Motors told of their plan for six great decentralizing plants, at a total cost around six hundred millions of dollars, and how they had been led to locate one of them at Framingham because of New England's hard-headed business sense and her sense of responsibility. The Framingham plant is expected to have an annual payroll of around six million dollars.

Then came the governors. Governor Baldwin told of Connecticut's success in meeting labor and management problems through its organization of top-notch labor, management and State government representatives, the Labor-Management Advisory Council, which is not a conciliation body, but a forum for the exchange of views, its goal being the highest volume of production at highest wages compatible with prices at which sales will support them.

Governor Hildreth of Maine warned against merely defending the ideals of our forefathers against attacks by crack-pots; we must take the offensive. Dale of New Hampshire urged construction of air-fields to encourage civil aeronautics; Proctor of Vermont called on the other New England states to accept their share of flood-control responsibility, lest the Government take over the matter; Tobin of Massachusetts outlined the advantages Massachusetts offered for the permanent home of the United Nations Organization; and Pastore of Rhode Island promised to do all he could to get Rhode Island industry back on its feet.

Following the governors Dr. Lindsley F. Kimball, President of the U. S. O., told very briefly of the work of his organization. "The three ingredients of democracy are the home, the church and the school; to the GI's the U. S. O. was the 'Home away from home'." This concluded the first session.

At 7 o'clock each of the State groups gave a dinner to its respective governor, the State Vice-President of the Council presiding. Your representative attended the Connecticut dinner; the notes on the other dinners are taken from newspaper accounts.

Vice-President Henry Ware Jones opened the talks at the Connecticut dinner with the statement that the great success of this Republic has been due to individual initiative. The Bill of Rights, and 15 years later, the Constitution, set up barriers protecting the individual from harm due to either government or individual effort, but today the growing belief on the part of some persons that the answer to present-day problems lies

in government control threatens to break down those barriers; there has been an unbelievable growth of Federal committees to do that which the individual and his community should do. History should teach the folly of such procedures. New England has been in the forefront of the battles for the right in the past; the time has come when once more she must assert herself and fight for the good old American way.

Willard Rogers, supporting Jones, said the challenge of the times was to New England; that the Council can meet it if properly backed; and urged that word be carried to those not present to help give Council the necessary power.

Professor Wallace Donham, Professor of Business Administration at Harvard, said that while the liberal arts colleges had done a good job teaching literature and art, they had failed miserably in social relations; they must teach men to put themselves in the position of the other fellow or they can neither solve his problems nor work successfully with him.

Governor Baldwin, closing the evening, told of the success of the tuberculosis sanatoria; the improvement in the care of mental cases and inebriates; studies looking to an increase in old age pensions, already higher than in many other states; reorganization of vocational training; and expansion of the University of Connecticut, where it is hoped there soon will be such a course in labor-management relations as Professor Donham advocated.

Friday morning there were the usual four group sessions, presided over by the respective chairmen of the Council committees. The following notes are in part by your representative, with abstracts of the papers he did not hear taken from the daily papers.

**INDUSTRY, Nathan Tufts, Chairman.** Maxwell Andrews, Field Secretary, Bureau of Advertising, American Newspaper Publishers Association, said Industry must tell its story in such a way that the American public will understand its functions, services and attitudes; Jerome M. Ney, Deputy Administrator for Pricing, OPA, warned against complacency towards inflation; and William A. Dower, Executive Vice-President, Hartford Chamber of Commerce, told of the industrial developments of the West and South as he saw them on an extended tour. 96% of the surplus Government plants are outside New England, but their disposal is tied up in a vast amount of red tape. Few New England cities have bid for industries, but almost every western and southern city visited had aggressive industrial committees which were constantly urging New England industries to come to their locality; however, there is a great scarcity of labor. Operating conditions are much simpler and freer from Legislative controls, and for the most part city government costs are lower; New England faces a more severe competition for her industrial payrolls than she has felt for at least a generation.

**AGRICULTURE, Carl R. Smith, Chairman.** Walter E. Piper, Director, Division of Markets, Massachusetts Department of Agriculture, held that recapturing the home market and improving marketing practices and facilities are the two main problems facing the New England farmer; Edmond A. Perregaux, Head of the Department of Agricultural Economics, University of Connecticut, pointed out that increased efficiency in production and distribution is one way to meet competition from other regions.

**COMMUNITY DEVELOPMENT, Jerome M. Langley, Chairman.** Dr. Thomas H. Reed, Municipal Government Counsellor, Connecticut Public Expenditure Council, held the manager form of government was best adapted to New England's needs; D. Grant Mickle, Traffic Engineer, Automotive Safety Foundation, said the potential traffic increase was greater for New England than for any other section of the country, calling for special attention to parking problems. On-street parking is fast becoming too serious an obstruction in business sections, making off-street parking a necessity. Present practice in charging in parking spaces is wrong; short time parking should be cheap, but long time parking should be made expensive to discourage it. Everett R. Smith, Director of Research, McFadden Publications, said Business and Industry must take a more constructive and creative part in the community if it expects to remain the nucleus of the Nation.

President Blackall closed the session by presenting the award certificates in the Municipal Reports Competition.

Following the Re-Assembly Luncheon at 12:30, Colonel Bradley Dewey, President of Dewey & Almy Chemical Company, and President-elect of the American Chemical Society, urged New England to be alert to her possibilities for the advancement of technical science and industry; her greatest but hidden asset is in her scientific educational institutions, and she should utilize it to the full. As Federal Rubber Administrator he found that practically all of the scientists who guided the research, development and operation of the Nation's oil, rubber and chemical companies in the Middle, South and even the Far West, were New England trained.

"The Story of Textron" closed the Conference. Vice-President John Alden Spooner told of the development of the idea until today Textron, with its own organization, is dyeing and weaving the fibers—which, however, it purchases —; cutting the resulting fabrics; and finishing and selling to the retailer its clothes and draperies; and Ace Williams, Art Director, followed with a demonstration of their use of color photography as their sales method, movies in color of models wearing Textron garments in appropriate settings—eating breakfast in a breakfast gown, etc.—being shown the buyer in his own office, swatches of the fabrics giving him the "feel" and a check on the colors. There is none of the musing and inevitable soiling of the samples as in the conventional procedure; everything looks as fresh on the last day of the trip as on the first, and the buyer sees the films in his own office.

Miss Margaret Fuller then described the care in training the sales force. In case of a complaint the matter is handled by a high official who personally explains that as the trouble developed after the sale it is chargeable to the home office, thus eliminating any possible ill-feeling towards the salesman.

The talk was followed by the display of a full line of current and future Textron garments on Conover and Powers models, a runway having been placed for that purpose down the center of the ball-room.

The conference then adjourned.

The growing number of engineering associations which are listed as co-sponsors of the Conference—18 this time—is an indication that the widespread efforts to obtain for the engineering profession a better recognition of its potential civic value, and of its willingness to take its part in civic activities is having results. So long as we engineers continue to hide our light under a bushel, we cannot hope to be given the same standing in the eyes of the public as that accorded to the other professions.

Respectfully submitted,

CHARLES RUFUS HARTE,

*C. S. C. E. Delegate.*

PRESIDENT BUCK: The next item of business is the election of new members. I will ask the Secretary to read the names of those who have been proposed by the Board.

SECRETARY TIPPET: The Board recommends the following for the grade of Member:

Martin J. Beccia, Naugatuck	William F. Hazel, Hartford
Walter F. Capewell, New London	Richard J. Hill, Hartford
Charles H. Copley, Hamden	Walter J. Hoddinott, Wethersfield
E. Richard Edwards, Long Hill	Joseph Maslak, East Windsor
Arthur C. England, Jr., West Haven	Arthur C. Norrie, Windsor
Clifford G. Engstrom, West Hartford	Elmer C. Nuesse, Hartford
Arthur L. Glidden, New Canaan	John J. O'Brien, Winsted
Charles Grime, West Cheshire	Paul V. Plummer, Hamden
Thomas H. Harrison, Bridgeport	David E. K. Ryan, New Haven
Dwight S. Vibbert, Niantic	

PRESIDENT BUCK: You have heard the recommendation of the Board. What is your pleasure?

MR. HARTE: In the absence of objection, I move the Secretary be empowered to cast a vote for these Members. (The motion was seconded.)

PRESIDENT BUCK: It has been regularly moved and seconded that the Secretary cast a ballot for these Members, and they are so elected.

We will now have the names of those recommended for Associate.

Frank T. Elliott, West Haven  
 Lucien F. Frechette, Hartford  
 Lawrence M. Hubbard, Hartford  
 Edward H. Kosicki, Middletown

PRESIDENT BUCK: You have heard the recommendation of the Board. What is your pleasure?

MR. HARTE: If there is no objection, I move that the Secretary be empowered to cast a unanimous vote for the Associates.

(The motion was seconded.)

PRESIDENT BUCK: It is so moved and seconded that the Secretary cast one ballot for the names read.

Are any of the new Members present this morning?

A VOICE: Arthur England, Member.

PRESIDENT BUCK: Mr. England, we welcome you to the Society and hope you enjoy its activities.

The next item of business is the election of officers and the report of the Tellers. I call on Mr. Loren D. Webb.

#### REPORT OF TELLERS

Total ballots received .....	349
Invalid ballots rejected .....	21
VALID BALLOTS COUNTED .....	328

<i>Office and Candidate</i>	<i>No. of Ballots</i>
FOR PRESIDENT—	
F. Walden Wright .....	323
Scattering .....	1
Blank .....	4
FOR 1ST VICE-PRESIDENT—	
Albert A. Cross .....	326
Scattering .....	1
Blank .....	1
FOR 2ND VICE-PRESIDENT—	
Captain A. D. Wurts .....	326
Scattering .....	2
FOR DIRECTOR, DISTRICT No. 1—	
William S. Wise .....	204
John H. Keithline .....	90
Scattering .....	1
Blank .....	33

FOR DIRECTOR, DISTRICT No. 2—

Kenneth H. Holmes .....	275
Blank .....	53

FOR DIRECTOR, DISTRICT No. 3—

Russell G. Warner .....	122
Roger C. Brown .....	113
Louis P. Stein .....	63
Scattering .....	1
Blank .....	29

FOR DIRECTOR, DISTRICT No. 4—

Melvin H. Taylor .....	285
Blank .....	43

PRESIDENT BUCK: Thank you very much, Mr. Webb.

I now declare elected those members receiving the greatest number of votes for each office.

At this time, I should like to call on your new President, Walden Wright, to say a few words. (Applause)

PRESIDENT-ELECT WRIGHT: It is flattering and comforting to know that members of this Society have sufficient confidence in me to make me their President. However, I noticed the count here; I got 323 out of some 900 votes of people who are eligible to vote. There are something like six hundred—somewhere in that neighborhood—who either have no confidence or protest against having to vote for the only name that appeared on the official ballot for this position (Laughter), or were indifferent.

However, I am very grateful to you for electing me and, of course, I shall accept. I do so with some misgivings and considerable humility.

It is reassuring to me to know, after hearing President Buck's report of our activities, that there really is not much work for the President to do, anyway; that it is done by the committees and the Secretary.

I know that I can depend upon Jackson Tippet to do the greater part of the work and to steer me in the proper channels. Now, some might say: How do we know that Tippet is going to be Secretary for another year? Well, if there is anyone here who would like to bet, I will give them long odds if they care to bet that he will not be the Secretary-Treasurer. The matter will be determined at the luncheon immediately following this meeting.

President Buck, during his year, has had many obstacles in the way, and I refer particularly to war-time gas rationing and limitations on meetings and conventions as placed by the Federal Government. This year, thanks to our veterans, most of those obstacles have been removed, and it seems as though we could get back to a normal year and have the usual number of meetings and have considerably better attendance.

I look forward to having for our summer meeting another one of those pleasant excursions that we have had up the Hudson and down the Bay. However, there is no assurance that it is possible to do that. But, at least that is something to look forward to.

Now, I think that is all I have to say at this time. I will have a little more to say tomorrow night at the banquet, and I will let this be enough for now. (Applause)

PRESIDENT BUCK: Can we now hear from our First Vice-President, Albert Cross?

FIRST VICE-PRESIDENT-ELECT CROSS: President Buck, members of the Society. I appreciate very much the confidence which you have placed in me to elect me First Vice-President of this organization. I, too, with President Wright, look forward to a resumption of the normal functioning of the Society, and look forward to a very busy and successful year for the days ahead.

It has been my usual custom in going to and from New Haven to get through Hamden as quickly as I possibly could. I suppose I will be committing a breach of

etiquette should I not stop and pay my respects to the President on subsequent trips which I will make.

I wish to pledge to President Wright and to the Society my best efforts in his and its behalf and for the coming year to do every duty assigned to me to the best of my ability, and work for the interests of his administration and the welfare of the Society.

Thank you. (Applause)

PRESIDENT BUCK: Many of you know I succeeded to this office on the resignation of Captain Wurts, to join the Army. He really should be here today. I am very happy that he is starting again to take up his offices in the Society and to shortly be its President.

Captain Wurts. (Applause)

SECOND VICE-PRESIDENT-ELECT WURTS: Thank you for again electing me to the Vice-Presidency of the Society. It gives me a great deal of pleasure to come back and I look forward particularly to the interesting Board meetings which we had before the war. I presume they will be as interesting again.

Again, I thank you for electing me. (Applause)

PRESIDENT BUCK: Director from District 1, William S. Wise.

DIRECTOR-ELECT WISE: Mr. President, and members. In my report of the Meetings Committee, I said I enjoyed working with all of you, and I meant it. I enjoy my work in the Society. I want to say that I have not sought the office of Director of District 1. I am happy to know that I have at least 204 friends in the Society, and I feel that it is an honor to be a Director. I certainly will do all I can to keep up the high standards and nice work that the Society has done. (Applause)

MR. WILEY: There were a lot of members who could not spell "Keithline" (Laughter)

PRESIDENT BUCK: Director from District 2, Kenneth Holmes.

MR. WILEY: He is not here today.

PRESIDENT BUCK: That is too bad. Shall we give him a hand anyway? (The members applauded.)

PRESIDENT BUCK: Director from District 3, Russell Warner. I believe he is not here, either. Shall we do the same for him? (The members applauded.)

The Director from District 4, Mr. Taylor, is here. Mr. Taylor, will you say a word?

DISTRICT 4 DIRECTOR-ELECT TAYLOR: Mr. President, members of the Society. I am a very, very poor speaker. I hope I will make a much better Director.

Thank you. (Laughter and applause.)

PRESIDENT BUCK: As is inevitable in an election of this kind, there are men who have served the Society well and ably who have failed to obtain the necessary number of votes. To them, we extend our condolences and I hope they may be able to serve as officers in the future.

Now, I have one announcement to make before we adjourn. We have reserved a number of rooms downstairs for tonight. There is still one left which will be held until three o'clock. If anybody wishes it, he should see Mr. Wise. Otherwise, the reservation will pass.

Mr. Secretary, do you have any other business to come before this meeting?

SECRETARY TIPPET: Only to state that the new Board will meet for lunch in Room 6 on the mezzanine floor at 12:15.

PRESIDENT BUCK: Does anyone else have any business they wish to bring before this meeting?

We have started off pretty well. We are adjourning four minutes ahead of time.

We stand adjourned until 1:45 this afternoon, when we reassemble here.

## TUESDAY AFTERNOON SESSION

The Convention was called to order at 1:45 P. M. by the President, Henry W. Buck.

PRESIDENT BUCK: I find myself somewhat in a quandary this afternoon. There is one thing a toastmaster must inevitably do when he introduces the next speaker, and that is tell a joke. I had one all prepared to tell tomorrow night in introducing the speaker, and I have to spring it now, so I shall be left high and dry tomorrow night. (He says he will tell me another one.) (Laughter)

You may recall a while ago the Governor of Connecticut made the newspapers about the excellence of Connecticut potatoes. I heard a short time ago that there was a very fine Connecticut potato which married a very fine Maine potato. They were really unusual potatoes, and after due course of time, they had a little potato. The little potato grew up to be the most marvelous potato that ever was; really a superlative potato.

As she grew to maturity, she became very fond of the radio. One day she said to her mother: "Mother, I want to marry Kaltenborn."

And mother said, "Why, you couldn't do that. Don't you know that Kaltenborn's only a *common 'tator!*"

(Laughter)

We have this afternoon City Engineer R. J. Ross, our own member, who will give us an address of welcome. (The Address of Welcome by Robert J. Ross, for the Mayor of Hartford appears at the beginning of this issue.)

PRESIDENT BUCK: Mr. Ross, on behalf of the Society, I want to thank you very much for your kind welcome. We are very happy to be here and appreciate it.

MR. ROSS: I think he means that he thanks me for the briefness of my remarks. (Laughter)

President Buck then read his address, which appears at the beginning of this issue.

PRESIDENT BUCK: It is my pleasure now to turn the meeting over to Fred Chamberlin, who has very graciously consented to act as Chairman for the afternoon session.

CHAIRMAN CHAMBERLIN: The meeting will come to order.

The only explanation that I can give for this gathering being ahead of schedule is that Jack Ross fell down on the job and did not talk as long as usual.

(Laughter)

It gives me pleasure to be asked to serve as Chairman this afternoon, particularly as it is my one contribution to serving on the Arrangements Committee. We had a very satisfactory committee which had no meetings and the Chairman, I guess, did all the work.

About a week ago in this room, I attended a meeting at which time it was necessary for Miss America of 1945 to be introduced. Of course, the Governor got that job (laughter), and I think you will admit it is a little more prosaic to introduce just a mere engineer. However, I know that he will have fully as much of a message for us as Miss 1945 did to the gathering of which I speak.

Therefore, I take pleasure in presenting to you Mr. M. T. Decker, who will speak to us on the construction of the Idlewild Airport, of which he is Chief of Design. I know it will be an interesting talk because we are all becoming airminded at this time. Mr. Decker. (Applause)

(Mr. Decker's paper appears elsewhere in this issue.)

CHAIRMAN CHAMBERLIN: Thank you, Mr. Decker. I am sure Mr. Decker will be glad to answer a few questions, if some of the members have any to put to him. (See Discussion following his paper.)

CHAIRMAN CHAMBERLIN: If there are no further questions, I would like to express the appreciation of the Society to Mr. Decker for his interesting and instructive talk.

CHAIRMAN CHAMBERLIN: The next speaker for this afternoon, prior to his present position, was with the Bureau of Public Roads. He is now Engineering Director of the National Crushed Stone Association. Over a period of years, he has developed laboratory methods and research in building materials both for road work and structural work. He is one of the foremost men in the testing field.

I take pleasure at this time in introducing Mr. A. T. Goldbeck, who will speak to us on "The Proportioning of Workable Concrete for Any Desired Strength."

Mr. Goldbeck. (Applause)

MR. A. T. GOLDBECK: Mr. Chairman and gentlemen. It was very pleasing to me when I heard that I was going to be on the same program as Mr. Decker. During the past few years, I have had a number of conferences and inspection trips with Mr. Decker and I was very much impressed with the care that has been used in connection with the development of the details on the Idlewild Airport. I am sure that, after hearing him today, you have the same feeling.

I feel very much honored in being asked to speak to you today. My topic—I will look to see what title I gave it (laughter)—is "The Proportioning of Workable Concrete for Any Desired Strength." I am going to introduce the subject, if you will bear with me, by reading a short introductory statement and then we will forget the paper and turn to the slides and describe the method of proportioning by use of the slides. This is not going to be an entertaining paper at all. Necessarily, a subject of this kind is somewhat mathematical in character. I will try to make it just as plain as I possibly can, but you will have to do a little thinking while this paper is presented.

(Mr. Goldbeck's paper appears elsewhere in this issue.)

CHAIRMAN CHAMBERLIN: Is there any discussion or are there any questions that somebody might want to ask Mr. Goldbeck?

CHAIRMAN CHAMBERLIN: When I introduced Mr. Goldbeck, I had certain information on a piece of paper, but since listening to him, I think I have left something out of his former career. I am sure he must have been a professor at one time by his vivid explanation, and he explained it in such a way that almost a child could understand it.

We thank you, Mr. Goldbeck, for your instructive talk.

MR. BLANK: Mr. Chairman, may I ask a question? I assume that your paper in explanation of this method and chart will be published in our year book. I suppose that is the probable action to be taken, but, in the meantime, is this method available? Has a leaflet been gotten out in printed form and is it available for use?

MR. GOLDBECK: Yes, we issue technical bulletins, of course. I work for an association, and you know what associations are. They issue technical literature. And, in addition to these technical bulletins, we get out what we call "Stone Briefs" "Stone Briefs" is merely a short magazine which expresses these things in brief form. We do have this method described in one of our issues of "Stone Briefs" It would be available to anybody who wants to get it.

CHAIRMAN CHAMBERLIN: Are there any other questions? If not, I wish to thank you again, Mr. Goldbeck.

Now, if the President has something further, I will relinquish the Chair to him.

PRESIDENT BUCK: Thank you very much, Mr. Chamberlin, for very ably conducting our meeting this afternoon. I know that I express the feeling of all of us when I say how much we have enjoyed the two papers we have had presented this afternoon. I thank the speakers on behalf of all of us.

Is there any further business to come before this meeting? If not, we will adjourn until 9:30 tomorrow morning in this same hall.

## WEDNESDAY MORNING SESSION

(The convention was called to order at 9:30 A. M. by the President, Henry W. Buck.)

**PRESIDENT BUCK:** It is my great pleasure this morning to turn over the meeting to our former President, Les Sumner, who will act as Chairman of the morning session. (Applause)

**CHAIRMAN SUMNER:** I want to thank you, President Buck, for giving me this opportunity to preside once more at a meeting of the Connecticut Society of Civil Engineers. When I last had this privilege, we were engaged in the war. At that time, we did not have much doubt about the outcome of the war, but we realized that a lot of painful experiences were ahead of us. Now that is all gone by and we are facing the future with confidence. This is even reflected in the character of our papers. I know we are taking a forward look, talking about the things we are going to do—developments, ways of peace instead of destruction. That is a helpful sign.

It is also a pleasure to me to preside this morning because it gives me a chance to introduce as our first speaker an associate of mine, a man whom I have known for a long while. I could take as much time as he is going to take in reciting his professional attainments. He is a graduate of the University of Pennsylvania. He has been intimately connected with bridge work practically all his professional career. His experiences include working for the American Bridge Company, Robinson and Steinman, and more recently, the United States Engineers. We are particularly fortunate in catching him at a time when, as he said, he had been doing theoretical work for a long while. I think whatever else he may have to complain of, he cannot complain that he has not had a lot of practical work to do since he has been with the Highway Department on this last assignment.

I know he is going to give us something of interest, so without more ado, I will introduce Mr. William G. Grove, Engineer of Bridges and Structures, Connecticut Highway Department, who is going to talk to us on "Probable Future Trends in Suspension Bridge Design."

Mr. Grove's paper appears elsewhere in this issue.

**CHAIRMAN SUMNER:** Thank you very much, Mr. Grove, for your very fine address to us.

**CHAIRMAN SUMNER:** Come to order, please, gentlemen.

Our next speaker is a member of the Society, an engineer who has devoted his energies pretty largely to municipal work, specializing in surveying, water supply, and sewerage problems. He has been associated with the firm of Payne & Keefe, Architects and Engineers, and, as such, had a very large part in such projects as the Ocean Beach development at New London and various problems in connection with Federal housing projects, not only in the New London area, but in other parts of the state.

He also had a very large part in planning Camp Blanding in Florida with which we feel intimately connected because our National Guard troops trained there when they were first mustered into service.

I take pleasure in introducing to you Mr. Aubrey B. Sleath, who will talk to you on "Methods and Tolerances for Connecticut Surveyors."

Mr. Sleath. (Applause)

(Mr. Sleath's paper appears elsewhere in this issue.)

**CHAIRMAN SUMNER:** Thank you very much, Mr. Sleath.

According to our customary practice, the paper is now open for discussion, and I am sure that Mr. Sleath will be glad to answer any questions, if anyone may care to ask him.

**MR. A. C. TERAILO:** The size of the maps.

MR. SLEATH: In what respect?

MR. TERAILO: For filing purposes, the standard size.

MR. SLEATH: I have not covered the size of maps in my paper. I do not know as I can answer any questions in connection with it.

MR. J. CLARK: There is a statute that covers the size of maps that are to be filed in all Town Clerk's Offices.

CHAIRMAN SUMNER: Are there any other questions or comments? If not, inasmuch as the closing discussion of this morning's meeting relates very closely to the subject matter of Mr. Sleath's paper, we will go on immediately to some "Comments on the Code of Recommended Practice for Standards of Accuracy of Maps," by Mr. Jay H. F. Clark, member of our Society and Chairman of the Map Accuracy Committee of Connecticut Technical Council.

Mr. Clark's Comments appear elsewhere in this issue.

CHAIRMAN SUMNER: Thank you, Mr. Clark. Gentlemen, we have come to the end of the planned program for this morning. At this time, I wish to extend our sincerest thanks to the speakers for their very interesting papers, and to you gentlemen for having taken part in the discussions which, after all, have a large part in making these meetings successful.

At this time, I will turn the meeting back to your President, Mr. Buck. (Applause)

PRESIDENT BUCK: Thank you very much, Les.

Mr. Sumner has done such a splendid job in conducting this meeting that there is nothing left for me to do but announce the adjournment until 1:45 P. M. in this room.

### WEDNESDAY AFTERNOON SESSION

The Convention was called to order at 2:00 P. M. by the President, Henry W. Buck.

PRESIDENT BUCK: This afternoon, it is my pleasure to turn over the conduct of the meeting to our life member, John T. Henderson, as Chairman. (Applause)

CHAIRMAN HENDERSON: First of all, it is my pleasure to introduce Edward V. Gant. He is a member of the Connecticut Society of Civil Engineers, a graduate of Vanderbilt, took his M.S. degree at California Technology, and then went with the American Bridge Company. Then they relegated him to the "sticks" of Connecticut, right over here, east, toward Willimantic, and there he is Professor of Applied Mechanics of Structures. If you send your boys there, he will take good care of them. It is my pleasure to introduce Professor Gant. (Applause)

(Professor Gant's paper appears elsewhere in this issue.)

CHAIRMAN HENDERSON: Now, gentlemen, the Professor is willing to answer any questions.

MR. GEORGE A. NAGEL: I notice there was no mention made of the use of electric strain gauges. I was wondering whether the Professor could tell us whether the repeated use of electric strain gauges is reliable. I am talking about the resistance type. Whether the metal itself would have a tendency to change the calibration on repeated use?

PROFESSOR GANT: I could not answer that statement exactly. But I would point out that in the use of all strain measuring equipment, they should be calibrated very frequently, and that that would be perhaps the best thing to do on electric strain gauges. I do not know of that arising, but in any case, they should be calibrated. The same is true of the simple averaging type canthemeter. That should be calibrated quite frequently, also.

MR. CASTLEMAN: I wonder if the Professor would care to comment a little upon three dimensional problems in photo elasticity? In the problems he has discussed, there are two dimensions.

PROFESSOR GANT: We could repeat the whole paper and just spend it on the subject of photo elasticity, of course. There has been work done on three dimensional photo elasticity using frozen stress patterns, and it appears that we can expect it to be a most useful method. At the present time, there is not so much use for it. I would say that in investigating structural connections, for instance, that that is something to look forward to: the development of three dimensional photo elasticity.

CHAIRMAN HENDERSON: Any further questions? Thank you, Professor Gant. (Applause)

The next speaker is Colonel T. F. Kern. He is District Engineer, United States Engineer Office, Providence, Rhode Island. He will speak on the subject, "Engineering Aspects of Flood Control in New England." The Colonel, I understand, is a graduate of West Point—I need say no more. (Applause)

(Colonel Kern's paper appears elsewhere in this issue.)

CHAIRMAN HENDERSON: The Colonel talked on a subject that everyone knows about, that is, water. And he is willing to answer any questions that you may propound so far as he is able. (See paper elsewhere herein.)

CHAIRMAN HENDERSON: Any other questions? Thank you, Colonel Kern. We will take a recess for a few minutes. (Applause)

CHAIRMAN HENDERSON: The meeting will come to order, please.

We have some business to attend to, gentlemen, before the next speaker.

MR. WILEY: Mr. Chairman, I would like to present a motion which is more or less formal.

Be it moved that the members present at this 62nd Annual Meeting of the Connecticut Society of Civil Engineers, Inc., at the Hotel Bond, Hartford, extend a vote of thanks to our members and guests for the interesting and instructive papers they presented; to the Papers Committee for their excellent choice in obtaining these papers; and to the Meetings Committee for the successful arrangements of this meeting; and that the Secretary be directed to convey this expression of appreciation by letter to the foregoing.

CHAIRMAN HENDERSON: You have heard the motion. What is your pleasure? (Seconded and adopted.)

CHAIRMAN HENDERSON: Our next paper is last, but not least. Educated at Columbia University. He is not very tall, rather wide. He does not need a microphone. He is known affectionately as "Roughhouse". Now, I hope he will not feel insulted, for I love the man, our Honorary Member, Charles Rufus Harte, who will speak on "Chain Obstructions of the Revolutionary War." Mr. Harte.

(Mr. Harte's paper appears elsewhere in this issue.)

CHAIRMAN HENDERSON: I am sure that Mr. Harte's education was in the wrong direction. They have spoiled a mighty good historian when they made an engineer of him. He even gives you history in its popular style. And, at last, I know why there are no fish in the Richelieu River. I have tried it and it must be that blooming chain that you left up there! (Laughter)

Are there any questions? Thank you, Mr. Harte. I will now turn the meeting over to President Buck.

PRESIDENT BUCK: Thank you very much, Jack

I have two or three announcements I would like to make. First, I should like to thank our three speakers this afternoon.

I have one thing I want to say about the last speech, if I may. I think the Society has imposed on Charles Rufus a great deal for the many excellent historical talks he has given to us, and one thing I wanted very much was to have one at this Annual Meeting. I think you will all agree that it was greatly worth while.

Mr. Edwards of the State Development Commission has asked us to announce that the Connecticut Chapter of the National Aeronautical Association is meeting April 1 at 6:30 in the Bond at which there will be a talk on the "Planning, Construction, and Operation of Airports." Mr. Albert H. Wesel, Administrator, and E. Fletcher Ingalls, Assistant Administrator of the northeast area of the Civil Aeronautics Authority, are going to speak. They will speak on both "Construction and Management of Local Airports" and "How Airports can be Financed and Amortized over a period of Years." Reservations for this dinner meeting must be made in advance through the Secretary, Sidney A. Edwards, State Development Commission, Hartford, not later than Saturday, March 30.

As I announced yesterday morning, sample diplomas were to be submitted and on view today from which two were to be selected for use by this Society. So far we have had only one sample submitted. The selection of a diploma will therefore be postponed until the next meeting of the Society. I should like to urge all of you who are interested in preparing a design to do so and get it to the Secretary so that it may be available for the judging at that time.

We will now adjourn until 6:15, when we will assemble for the Banquet here in the Ball Room. I am asked to advise you that the Hotel has arranged to set up a bar at the back of the room so that it will be unnecessary for you to go downstairs. But the Hotel does not want to have a completely disorganized meeting here this evening, so the bar will not be open until six o'clock. (Laughter)

### INDUSTRIAL MEMORIAL

MR. HARTE: May I say just a word? The fact that there was a note from Mr. Edwards reminds me of something which those engineers who are at all historically or industrially minded will be interested to learn. As you may or may not know, *Connecticut, in spite of its remarkable industrial history and record, has not a single industrial museum, nor has it a single industrial memorial.*

See article (by letter) at end of papers in this report.

PRESIDENT BUCK: Is there anything else which should come before this meeting? Every one of them has ended on time. We will adjourn until 6:15 in this room.

### WEDNESDAY EVENING BANQUET

PRESIDENT BUCK: Gentlemen, it is a real pleasure to welcome you to this, our 62nd Annual Banquet.

It is my good fortune to hold this office at a time when I have the privilege of welcoming back so many of our members who served in the Armed Forces. We had a total of 120 men in the service; 63 have returned and 57 are still in service. We hope they will all be with us before long.

### GREETING TO SERVICEMEN

As you know, the Secretary is preparing a record of the service of each of our members. That, of course, is not complete yet. I have had an opportunity of seeing quite a few of the records. We have asked one of these members to be with us tonight who, I'm sure you will agree, worthily represents both the men who are still in service and those who have returned.

Lt. Arthur B. Onderdonk was in the Civil Engineering Corps of the Navy. He commanded an underwater demolition team on many hazardous assignments; participated in the invasions of Saipan, Tinian, Pelelieu, Luzon, Iwo Jima, and Okinawa. Really an outstanding record. He was twice cited for gallantry in action, and has been awarded the Navy Bronze, Silver and Gold Star medals.

Lieutenant Onderdonk, on behalf of the Society, it is a sincere pleasure to welcome you back again tonight and through you all the members of our Society who have served faithfully in the Armed Forces of our Country. (The assemblage rose and applauded.)

LT. ARTHUR B. ONDERDONK: Thank you, Mr. President. On behalf of the veterans who have returned and who are coming back, I would like to thank the Society for its cordial welcome. I can truly say we are glad to be back. The South Pacific was never like Hollywood imagined it to be. (Laughter)

Many of us have gone through unusual experiences. I am sure they would be interesting to us all here. I wish we had the time to tell you about them.

I was in the Civil Engineers Corps of the Navy and was put to an unusual task. I never thought that I would be swimming a mile off a Japanese island with twenty-five pounds of high explosives on my back to blow up something, ten days before an invasion.

Well, that was one of the jobs that we had. Many unusual things that we did I still cannot believe were accomplished.

Of course, the unit I was with at the time was a very hush-hush outfit. Its members were all volunteers recruited from the general service and from the Seabees. Our particular job was to reconnoiter Japanese held islands and strong points. We were to approach from submarines and destroyers, and then go in by motorboats to about a mile off shore. From there these men would swim in. They would swim to the island and make a complete reconnaissance and a hydrographic survey. On our way we would blow up any underwater mines that existed. We would then return aboard ship and plot a complete hydrographic survey map, showing the reefs, depths of water, location of mines, pill boxes, and strong points of the Japs.

These would then be sent back by a fast destroyer to the transport area, which may be three to four days or a week behind us. On board this destroyer would be two blueprint machines. They always had two in case one broke down. They turned these maps out like newspapers, and would distribute them to the fleet. They furnished complete information about the beach defenses, the water depths, and the obstacles on the beach. Two days before an invasion, our unit would go in and demolish all mines and obstacles so that the troops, when they got ashore, would find a clear path. From then on, it was up to them.

I know there are other members in the Army and the Marines who also had unusual experiences; perhaps some day you will hear them all. Tonight we do not have time to hear all these but appreciate the fine work done.

I would like to thank you again for your very cordial welcome. (Applause)

PRESIDENT BUCK: Thank you very much, Lieutenant Onderdonk.

It is now my privilege to present our officers for next year.

First is President Wright. (Rises amidst applause). Next, our First Vice-President, Al Cross. Our Second Vice-President, Al Wurts. (Applause)

For Directors: Mr. Skilton of the 1st District, who carries over from last year, is unfortunately sick at home and unable to be with us tonight. We have a new Director from the 1st District, William S. Wise. (Applause)

From the 2nd District, Mr. Kenneth Holmes. Is he here this evening? (Rises amidst applause)

From the 3rd District, William M. Bolton, who carries over from last year. He is not able to be here this evening. And Russell G. Warner, who has just been elected. (Rises amidst applause)

From the 4th District, Mr. Taylor, who has just been elected. Is he here this evening?

MR. WILEY: I do not believe he is. He was here yesterday.

PRESIDENT BUCK: From the 5th District, Mr. Whitlock who carries over from last year. (Rises amidst applause)

Last but not least, our Secretary-Treasurer, Jackson Tippet. (Rises amidst applause)

The next man I have the privilege of presenting to you is an old friend of the Society. I am particularly pleased to present him this evening because today is his 72nd birthday, our Honorary Member, General Wadhams. (The assemblage rose, applauded and sang "Happy Birthday to You!")

GENERAL WADHAMS: My friends, I want to assure you this is quite as much a surprise to me as it is to you. I am not going to make a speech, but you know I rarely miss an opportunity to get over a little propaganda for the State Water Commission and the State Flood Control Commission, but I am going to resist that impulse tonight because you have something very much more interesting waiting.

I want to thank you for your very warm welcome and say that I hope that on my 75th birthday I will be able to be with you again. (Applause)

PRESIDENT BUCK: I now would like to present Colonel Kern, who spoke to us this afternoon. (Rises amidst applause.)

COLONEL KERN: I thank you, Mr. President. It is a pleasure to be here and meet the members of the Connecticut Society of Civil Engineers. Again I want to thank you for the courtesies you have extended to me. (Applause)

PRESIDENT BUCK: Next I would like to present George Thompson, First Vice-President of the Hartford Engineers Club, who represents them here this evening. (One rises amidst applause.)

MR. W. T. BARKER: To those of you who know George Thompson, I do not want to misrepresent him. It happens that my name is W. T. Barker, and I am also a Vice-President of the Engineers Club. I certainly appreciate this invitation, and there are no hard feelings. If I were as good-looking as George Thompson, I would not have said a word, but I do not want to leave you under the impressoin that I am he. (Laughter and applause.)

PRESIDENT BUCK: I got caught off base badly that time.

The next man I have down here I have already presented to you once, but I think I should mention again that Bill Wise, Chairman of our Meetings Committee, has done a grand job this year and ask him to stand up again. (Rises amidst applause.)

Next I should like to present Professor Castleman, who was in charge of the Papers Committee this year and has contributed so much to our meeting program the last two days. (Rises amidst applause.)

Also Charley Cook, who was in charge of arrangements for the Annual Meeting this year. (Rises amidst applause.)

I now would like to ask the retiring officers to stand so that we may wish them God-speed and thank them for the good work they have done during the past year.

First, Clarence Wiley. (Rises amidst applause.)

I am not sure that Clarence is through the way he got these Past Presidents together tonight. I think he has got something brewing. (Laughter)

And Mr. Willis. (Rises amidst applause.)

Howard Manning. (Rises amidst applause.)

Ted Jones. (Rises amidst applause.)

Herbert Elton, unfortunately, cannot be with us tonight. He also is sick at home.

## SOCIETY AWARDS

I should now like to call on Professor Castleman, who will present the men who are to receive the awards for the best papers read at the last Annual Meeting.

PROFESSOR CASTLEMAN: Mr. President, the Papers Committee appointed a subcommittee that labored long and carefully over the reading of these papers. It was a hard choice to make. They were all good. But the concensus of the subcommittee's opinion was that the paper by Burke L. Bigwood on "Connecticut Rainfall-Runoff Characteristics in 1944" and the paper on "The Value of Soil Mechanics in Highway Engineering" by Philip Keene were to be judged the best papers for 1945.

A special award was also recommended to our old friend, Charles Rufus Harte, for his excellent paper "Minerals and Metals in Connecticut."

I take great pleasure in presenting these gentlemen to receive the awards.

PRESIDENT BUCK: Will the gentlemen come forward, please, so that I may have the privilege of presenting you with your certificates. (The winners approached the dais.)

Charles Rufus, I present in the name of the Society this certificate for your paper which was certainly excellent. Thank you. (Applause)

MR. HARTE: If the Society enjoyed the paper as much as I did in getting together the material, I am very pleased indeed, besides being delighted with this recognition. (Applause)

PRESIDENT BUCK: It is a great pleasure to give you this in the name of the Society.

MR. BIGWOOD: Thank you. (Applause)

PRESIDENT BURK: We enjoyed it a lot. Thank you.

MR. KEENE: Thank you. (Applause)

PRESIDENT BUCK: It is unfortunate tonight that our only living Charter Member, Mr. William B. Palmer, is unable to be with us. He is over 90. It seemed very appropriate that some word be sent to him, and I am going to call on Mr. Rudd to present a resolution for your consideration.

## TESTIMONIAL TO WILLIAM B. PALMER

MR. RUDD: Mr. President and members of the Society. I would like to present this resolution for action by the Society.

"BE IT RESOLVED, that the members of the Connecticut Society of Civil Engineers in 62nd Annual Meeting assembled at Hartford, do hereby convey to their esteemed Charter and Honorary Member, William B. Palmer, a hearty greeting, and the assurance that his well-being is ever close to the hearts of his many friends in the Association which his personal interest and efforts did so much to effectively establish sixty-two years ago; and

BE IT RECORDED, that they take pleasure in adopting as their permanent aim the fulfillment of his inspiring message to the Society when, as its President in 1890, he said in part: 'An Association like ours cannot live upon what it has done. It must be ever-doing, ever-striving for the better attainment of its objects, ever seeking after knowledge and truth. Eternal action is the price of existence.'

WITH THESE RESOLUTIONS, we, his friends, include a most sincere expression of hope for his improved health, and that he may experience the lasting satisfaction that comes to all engineers in the realization of work well done." (Applause)

PRESIDENT BUCK: I would like to call for a rising vote of adoption for this resolution.

(The resolution was adopted by a unanimous rising vote, amidst applause.)

MR. RUDD: Mr. President, now that the resolution has been adopted, it will be a pleasure for all the sixteen Former Presidents here present to sign, on behalf of the Society, this document.

PRESIDENT BUCK: Thank you, Mr. Rudd.

MR. ROBERT S. ROSE: Mr. President, at each Annual Meeting, we have been in the habit of seeing Tom Scott here. He was President in 1920. He has taken a most active interest throughout his career in this Society, and tonight he has again sent a telegram saying: "My best wishes to all. With deep regret that I cannot be with you. Thomas Scott."

I would move you that this be spread on the minutes and that a letter be sent by the Secretary to him in grateful acknowledgement of his thoughtfulness.

PRESIDENT BUCK: May I call for a rising vote on that motion? (The motion was carried by a rising vote, amidst applause.)

PRESIDENT BUCK: I look with envy at these two tables of former President. (Laughter) It will be a real pleasure to be with them next year. I would like to call on Jack Ross to speak for them. (Applause)

#### ROSS FOR FORMER PRESIDENTS

MR. ROBERT J. ROSS: Mr. President: You can blame Nettleton for my being wished on you. He called me up sometime ago and he said, "Will you be sitting at the table of the ex-Presidents?" I said, "Well, if they have a special table, I suppose I will." He said, "Then will you speak for them?"

And I said, "What do you want me to talk about?"

And he said, "Well, tell them a couple of stories." And I was as much surprised as anybody when I read the program and I saw that I was billed under the heading "Wit and Humor." (Laughter) Now, I don't claim to be witty, but I do hope I have a sense of humor. In fact, no matter what the pressure is, I think I manage to get in a few laughs every day and it certainly helps you over the bumps.

I decided not to prepare any set speech for this occasion, but to come to the meeting much as you go into a poker game and wait for the breaks and the openings, and it worked. Because I had hardly gotten in here tonight when somebody said to me, "How are you feeling?"

And I said, "No complaint."

And he said—I got my first story right there—"That reminds me of a story." He said, "You know this Irish woman met her neighbor and she said, 'Where have you been, Mrs. Reilly, all dressed up like you are? Anybody would think it was Easter.'"

"And she said, 'I was up to Hannigan's funeral. That old bird finally kicked off.'"

"And the neighbor asked, 'What killed him? What was the complaint?'"

"And she said, 'Why, I heard no complaint. Everybody seemed satisfied.'" (Laughter)

You know, if you keep your eyes and ears open, there are jokes all around you—and I am not referring to the Former Presidents. (Laughter) I don't think they are all jokes; only some of us. (Laughter)

I would like to have you know of a proposition that my good friend Charles Rufus Harte put up to me this afternoon. I knew there was something up because when he first saw me, he asked me if he could buy me a drink, and I said, "No, I don't drink."

He said, "Would you smoke a cigar?" And I said, "I don't smoke."

And he said, "Would you take offense if I told you a story?" And I said, "No, I like stories." So he told me this story.

He said a friend of his went to the doctor and he said, "Doctor, I am in awful shape and you have to do something about it. It is a pressure on my head all the time, a fierce pressure, and it is driving me crazy."

The doctor said, "Nicotine. Too much smoking and that will get you quicker than anything I know."

And he said, "It can't be. I don't smoke."

The doctor said, "Alcohol. Not so quick, but that will do it. Some way or other, you are abusing your system and it is rebelling and that is the way it is registering."

And he said, "I never tasted liquor in my life."

The doctor said, "Well, I still say there is a reason for it, and it is probably abuse. If you are out late hours nights with questionable company, that might account for it."

But he said, "Doctor, I am in bed every night at nine o'clock."

Then the Doctor said, "Well, I think I know what your trouble is."

He said, "Good, Doctor. What do you think it is?"

And the Doctor answered, "I think your halo is too damn tight!" (Laughter)

Well, when Mr. Harte found out that he could not mellow me up with liquor or tobacco, he came to the point—he is a genius at finding out how people lived many years ago. As they are dead and gone they can't contradict him, and we are all too busy to look it up to see whether he is telling us the truth or not (Laughter), and to listen to him, you would think that he personally was acquainted with some of these birds that have been dead and gone a couple of centuries. He discovered out in West Hartford a herd of cows that he claims are direct lineal descendents of the cattle that Thomas Hooker brought with him when he left Cambridge and came down here to Hartford. And it is his crazy notion that the cows have a homing instinct that is superior to that of carrier pigeons. He thinks that if he took those cows, transported them up to Cambridge and started them on their way, that they would come here to Hartford by the most direct route, and he wanted me along for two reasons: One, to help him mark that route, and the other because he said they couldn't do it in one day and he supposed that you would have to drain their crankcases. (Laughter)

He said,—and he claims,—that Thomas Hooker didn't *bring* those cows; he *followed* the cows, and he thinks those cows could lay out a better road than these jackass engineers could. So that is why he wants to have them do it.

Well, I thought he was serious until he said, "Another reason is they would want to get back to their husbands." Well, when he mentioned that, then I knew it was all bull. (Laughter)

I notice, looking around the room here, one of the fellows who used to pull an oar on the Yale crew, which reminds me of the two gulls that were flying up the Thames River and one said to the other, "What is going on? What is all the crowd?"

And the other one said, "That is the Harvard and Yale boat race."

The first one said, "Is that so? Which do you think will win?"

And he answered, "I don't know. But I just placed all I had on Harvard!" (Laughter)

Clarence Wiley told me that, one day, a rag man called at his house and he said, "Any papers, any rags, old iron?" And Clarence said, "No, my wife's away."

I guess that rag man had a sense of humor, because he said, "How about the empty bottles?" (Laughter)

Now, I wouldn't want you to think I am picking on Clarence. As a matter of fact, he came to me before the dinner and he said, "Now, listen, I have to get around among all these fellows, and if you will diplomatically bring me into your remarks, it will help me in my business." (Laughter) And he said, "If you will do it, I will promise to laugh at some of your jokes that aren't funny." (Laughter) So we made that a deal.

I heard someone telling tonight that coming up to Hartford they got on the wrong road and were lost, which reminded me of the time I was driving in the South and it was raining like the dickens. Somehow or other, I got off the highway and was on to a side street, and it got worse and worse all the time. Finally, I was stuck, and I saw a light in a clearing and went up and asked the fellow if I was heading all right for Memphis. And he said, "I guess so."

I said, "Guess so? I must know. It is dark and the road is awful." And he said, "I don't have any trouble with it."

I said, "What kind of a car do you drive?" And he said, "I don't drive a car. I drive mules."

I said, "I don't drive mules. I want to get to Memphis. Am I heading in the right direction?"

He said, "Sure; which way are you heading?"

And I said, "For God's sake, pay attention to what I am saying. I am heading that way." And he said, "That's all right. As good as any."

I said, "Is the road good?" And he said, "There is a fork down the end."

"Which one do I take?"

"Don't make any difference."

I said, "You aren't helping me much." And he said, "Tell me again. Where do you want to go?"

I said, "I want to go to Memphis."

He said, "By God, Mister, the more I think of it, if I were you and wanted to go to Memphis, I wouldn't start from here!" (Laughter)

Thank you. (Applause)

PRESIDENT BUCK: Thank you very much, Jack.

After that, and all that was bandied around yesterday about Charles Rufus Harte and the models in Boston, I don't know whether I am in good company tonight or not.

PRESIDENT BUCK: This evening we have the pleasure of being addressed by a man who really is one of us. Our speaker graduated from Trinity. He then taught at Trinity, teaching electrical engineering, and following that, taught electrical engineering at Yale. During that period, he was Chief Electrical Engineer of the Connecticut Public Utilities Commission. He then became Associate Editor of "Electrical World", a position which he now holds.

It is with a great deal of pleasure that I present to you Mr. Archer E. Knowlton who is going to speak to us on atomic energy.

Mr. Knowlton. (Applause)

MR. ARCHER E. KNOWLTON: Mr. President, Professor Castleman, and Mr. Wise—I mention the last two because they are primarily responsible for my being here—members and friends. It really is a pleasure to be with you because it brings me back to Hartford, where I spent half of my life, so far.

Now, in approaching a subject like this, about which so much has been said, one wonders whether to try to make it an embrative subject, or to make it short and terse. In other words, should it be a girdle talk which completely encompasses the subject, or should it be a brassiere talk, which simply touches upon the high points? (Laughter)

All I hope to do is to register my feeling that nuclear energy is not so near that its industrial contributions can be seen with the unaided eye, nor so remote in space and time as to require a telescope. That is why I chose the title, "A Look at Nuclear Energy with Binoculars." I am not saying with the naked eye or with the telescope. It is in between.

(Mr. Knowlton's paper appears elsewhere in this issue.)

PRESIDENT BUCK: Mr. Knowlton, I know I speak for all of us here when I say you have very ably given us a picture of atomic energy which certainly I and many others did not have before. Thank you very much.

It is now my pleasure to turn the affairs of this Society over to your new President. We can look forward to a year that will remind us, I hope, of the years before the war when we had the freedom of movement and opportunities to meet as frequently as we wished. We will be very ably led by a man whom I know is going to be marked for the successfulness of the year to come. It is with a great deal of pleasure that I turn over this gavel to our new President, F. Walden Wright. (Applause)

PRESIDENT WRIGHT: It is difficult for me at this time to put in words how I feel without falling back on the hackneyed and trite phrases—words that are used in almost all situations such as this.

Of course, I am very grateful to the Society for conferring on me the honor of being your President for a year. In accepting this Presidency, I am fully aware of the responsibilities and also realize that there will be some work to do. However, I believe I will be repaid by the prestige and the honor that goes with the position.

I suppose every President of this Association, or any other similar group, always hopes that he will have what he might call "a good year." Whether or not that is true, in my case, I hope I have "a good year."

Most of the obstacles which have confronted Former President Buck have been removed, and I refer particularly to gas rationing and the limitations that had been placed on transportation.

From all indications, it looks as if we might have a more normal year for the Society. We may have a full schedule of meetings, and I look forward hopefully to a summer trip to New York and a boat ride up and down the Hudson, as we had before the war.

I would like to have this year known as "A Good Fellowship Year." I do not mean to imply that we have not had good fellowship in the past, but that is something that we can always improve upon.

We have here tonight members from all over the state, and I would like to have everyone here feel that he is a member of the Fellowship Committee in his community and that when we are having meetings, that you will try to arrange parties in groups to come down to the meetings. By these parties and these little groups that I refer to, you will promote fellowship, and, in like manner, increase attendance at the meetings.

I would like to say one thing about membership. Our Constitution says that: "The object of the Society is the advancement of engineering in all its branches." Originally, civil engineering included all engineering except military engineering. The word "civil" is sufficiently broad and all-inclusive to include mechanical, electrical, chemical, and so forth down the line. We have in our Society now quite a few members in those groups that I have mentioned. I feel that we are missing a fine chance by not encouraging membership in this Society from these categories I have just mentioned.

Before we adjourn, I would like to know if there is anything else to come before us.

MR. WILEY: Mr. President.

PRESIDENT WRIGHT: Mr. Wiley.

MR. WILEY: For over sixty years, this Society has taken pride in its record of integrity and responsibility. Some of you members here tonight are going to experience for the second time "the passing of the Buck." (Laughter) It is my duty to present to the retiring President his certificate as Former President, and I take great pleasure in welcoming him to the family of Former Presidential Electors. (Laughter and applause.)

RETIRING PRESIDENT BUCK: Thank you very much, Clarence. It has been a real pleasure to hold this office during this past year. As I said yesterday in the business meeting, the thing which has impressed me most has been the splendid cooperation which I had from everybody in the Society—the Officers, the Committee Chairmen, the Members of the Committees, the membership at large. I thank you all sincerely for the cooperation you have given me. It has been a real pleasure to be your President. Thank you. (Applause)

PRESIDENT WRIGHT: Has anyone else anything to bring up at this time? If not, a motion to adjourn is in order.

MR. ROSE: I so move. (The motion was seconded and carried, whereupon, at 9:40 P. M., the 62nd Annual Meeting of The Connecticut Society of Civil Engineers, Inc., adjourned sine die.)