

Report  
on  
ASHAE's  
Region 7 CRC  
in  
Ottawa's  
Chateau Laurier  
March 13<sup>th</sup>, 1957

## MINUTES

### AMERICAN SOCIETY OF HEATING AND AIR CONDITIONING ENGINEERS

#### Chapter's Second Regional Meeting and Conference

#### REGION 7

Held at the Chateau Laurier - Ottawa - March 13th, 1957

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#### ATTENDANCE

Regional Director: W. G. MOLE

Delegates and  
Alternates:

British Columbia	=	A. C. Martin
Manitoba	=	R. Fraser, H. Randall
Montreal	=	L. Lindsay and H. Murray
Northern Alberta	=	W. Woods and P. Butler
Ontario	=	C. Torry and J. Thompson
Ottawa Valley	=	C. Watson and J. Klassen
Quebec	=	D. P. Lamarche, J. Veilleux

Guests:

New York:

P. B. Gordon - President  
F. W. Hofmann - Representing A. V. Hutchinson,  
Executive Secretary.

Toronto:

Montreal:

Ottawa:

John Fox, J. H. Ross  
R. J. Ker, D. J. McIntyre  
D. C. Smiley, J. Kennedy, A. H. Hargraves,  
L. A. Wilde, N. B. Hutcheon, J. Partington,  
W. Robinson, W. Pennock.

Other guests from Ottawa were present for part of the sessions but were not recorded by your secretary.

1. The Meeting was called to order at 9.30 a.m. by Chairman, W. G. HOLE and a welcome extended to the delegates, alternates and guests.
2. Upon receiving assurance that it was in order to have a guest act as secretary, it was moved by H. Murray and seconded by D. L. Lindsay, that D. J. McIntyre be elected secretary for this meeting. In the event that the secretary should be a delegate or Alternate, C. Watson proposed J. Klassen for this service. The motion was carried and Mr. Klassen was made Honorary Secretary.
3. John Fox reviewed the minutes of first Chapter's Regional Meeting held in Toronto on April 9th. 1956. There was no immediate business arising out of these minutes as the points for discussion were on the agenda for this meeting.
4. President, P. B. Gordon, reviewed the report of the Sub-Committee of the Chapter's Regional Committee on Chapter Agenda Items 1956. These were items brought up at the Seven Regional Committee Meetings held in 1956. Discussion took place on the following items:

56-C-1 (Membership) - It was pointed out by President Gordon that the Chapter Membership Committee, in acting on the recommendation to promote the advancement of members to full member standing, can only serve in an advisory capacity. It will still be up to the individual member to decide if he has the necessary qualifications and make application for advancement.

5. Chairman W. HOLE reviewed the Summary of Chapter Agenda Items for 1957 and discussion took place on the following: (See attached copy)

A) Membership,

A-2) In view of the fact that it usually takes from 90 to 120 days to process an application, it was moved by Horne Lindsay, seconded by P. Butler, that National Headquarters acknowledge receipt of applications and cheques, and notify the applicants of the probable delay in final acceptance. Motion CARRIED.

A-6) Although some effort is presently being made to investigate resignations from the Society through the regional directors and Chapter Presidents, it was felt that this procedure should be better established. It was therefore moved by D. P. Lamarche, seconded by R. Fraser, that a standard procedure be set up for determining the reasons for resignations from the Society and following up on these down to the Chapter Membership Committee level. Motion CARRIED.

C - MEETINGS,

C-3 - President Gordon pointed out that it is not fair to the local Chapter nor the membership to fix the place for the annual meeting. This being the case, it is not possible to obtain the same date each year.

D - PUBLICATIONS

D-3 - John Fox reported the Publications Committee are working on a report on this request for literature to promote the profession of Heating and Air Conditioning Engineers. This will have to be worked out in conjunction with Universities.

F-1 - On the question of standards of membership of the ASHAE and other technical societies, John Fox reported that this was on the agenda of the Summer meeting of the Dominion Council of Professional Engineers. Although the ASHAE are members of the EJC (Engineers' Joint Council) in the States, Lorne Lindsay pointed out that there is a difference between the EJC and the Corporations of Professional Engineers in Canada. In the Province of Quebec, it may develop that full members of the ASHAE probably would have to be eligible for membership in the Corporation of Professional Engineers of Quebec. He felt that to avoid future difficulties of this nature, the local Chapter Executive should screen applicants and make recommendations to the A & A Committee. President Gordon said that although the A & A Committee would welcome recommendations from the Chapter Executive, such recommendations could not be binding.

F-4 - In keeping with the ASHAE and ASRE National efforts, it was moved by Hayward Murray, seconded by Jake Klassen, that this meeting approve that action in line with amalgamation at a chapter level, and individual member level, be actively pursued and publicized, so that when a vote is taken, our members, and ASRE members, are fully informed. Motion CARRIED.

To substantiate this motion, Mr. Murray put forward the following points:

- a) Duplication of membership in the two societies is small only because it denotes ability to pay dues of both, and not because the individual members do not wish to join and attend both.
- b) It is more and more apparent that unity and strength of our industry on a technical society basis is necessary, as evidenced by the amalgamations contemplated by other Engineering Societies.

President Gordon reported that the ASHAE have three members on the Six-Member Joint Cooperation Committee which is studying this problem of amalgamation. This committee is working on the basis that a merger is good. The legal councils of both societies have been asked to prepare a statement of the mechanics of a merger.

F-4-b) continued

Interest in a merger is high in certain areas where interests of the members of both society chapters are similar, but there are other areas where the interests are very different. The ASRE has no interest in research whereas ASHAE is definitely interested. The ASRE publishes its own publication whereas the ASHAE does not.

Although there is a great deal of interest, merger if it does occur, is not imminent. When and if it comes to a vote, 66-2/3% of all those eligible to vote must cast their vote in favour of merger for it to actually take place.

If the merger is passed, there will have to be a transition stage during which combined technical sessions could be held with separate business meetings.

In most localities, it is difficult to have strong chapters of both societies which would indicate that merger might be desirable.

6. REGION 7 CHAPTER AGENDA ITEMS FOR 1957 -

Manitoba: No items.

Ottawa: It was moved by Jake Klassen, seconded by Lorne Lindsay, that the society define and outline the limitations and privileges of the local chapters in cooperating with, and assisting local governing bodies in the preparation and revision of codes affecting the arts and science of heating, ventilating and air conditioning. Motion CARRIED.

During the discussion preceding the passing of this motion, President Gordon referred to Section 4(i) of the by-laws and R. Fraser referred to Page 27 of Chapter Regional Operations, both of which pertained to this subject, but it was agreed that both of these needed further clarification.

C. Torry stated that the Ontario Chapter has recommended members to serve on Code Committees, etc.

President Gordon said that the restrictions did not prohibit offering recommendations of a technical nature which would benefit the Public. H. Murray stated that in the past some codes have been restrictive in nature, which might have been corrected, had our society offered the services of a member to serve on the Code Committee.

6. (continued)

J. Klassen presented a letter he had received from Mr. Sweet of the Canadian Standards Association, requesting a member of our society to serve on the Safety Code Committee for Hospital Hazards, with the following additional comments:

- a) CSA does not pay travelling expenses and since the meetings will probably be held in Toronto, Montreal and Ottawa, this should be kept in mind in making any appointment.
- b) It is not necessary for the members to attend all the meetings.
- c) They would prefer that the appointee not be a Government Associate. President Gordon accepted the letter which he will turn over to the committee on Codes and Standards.

C. Watson recommended J. Klassen for this appointment. No motion was deemed necessary on this recommendation.

Toronto: Nothing to add.

Northern Alberta: Nothing to add.

Quebec: Nothing to add.  
Jean Veilleux extended the hospitality of Quebec City to all members travelling to and from the Summer Convention at Murray Bay.

British Columbia: Nothing to add.

A. C. Martin gave the reasons why the best interests of the Society have been served by arranging for the 1959 Summer Meeting to be held in Vancouver rather than Victoria. He extended an advance-welcome to the members to Vancouver for this meeting.

Montreal: D. L. Lindsay, as Chairman of the Arrangements Committee for the Summer Meeting at Murray Bay, stated that interest is high and that members should return their applications immediately, in order to be assured of the best accommodations at Manoir Richelieu.

7. Dr. Neil Hutcheon, Director of Building Research - National Research Council - and a member of our Research Committee, reviewed the research facilities available in Canada -- listed as follows:

NRC - Research facilities in Ottawa,  
Bureau of Mines - Research on fuels and combustion,  
BC Research Council - Applied research - BC Government sponsored,  
Alberta Research Council -  
Ontario Research Foundation -  
Hydro Electric Power Commission of Ontario.

7. (continued)

Universities

Nova Scotia Technical College - None at present but Prof. Cliff is interested.

McGill University - Physiology and thermal environment. Prof. Bruce.  
Noise measurement - Dr. Howes.

Queen's University - Mainly testing of heating equipment.

University of Toronto - Heat Pump - Ground thermal problems and Solar Collectors - Prof. Hooper.

University of Western Ontario - Radiant Heating and Heat Pump.

Saskatchewan - Prairie Regional Station of NRC - Engineering Physics Students.

University of British Columbia - Prof. Green and Prof. Wolfe are interested in starting research on intermittent heating of buildings.

NRC - Research grants are intended to encourage research but not to pay the full cost.

- Although NRC is prepared to sponsor research in Universities, their facilities are limited and personnel is lacking.

Post graduate activity - of those who graduated in 1956 in Mechanical Engineering, 9 are taking MSC of which 5 are in the Heat Transfer Field, 3 are taking PHD of which 1 is in the Heat Transfer Field, 10 are taking Post Graduate work in the States.

In comparison, the University of Minnesota had 100 registered in Post Graduate work in Mechanical Engineering.

8. Chairman W. HOLE stated that Prof. E. R. Quiser, 1st. Vice-President, who was originally scheduled to provide the luncheon address, was representing our society at the Atomic Energy Conference. Mr. A. J. Hess, 2nd. Vice-President who was to take his place, had not arrived due to missing his plane connections in his busy schedule and, therefore, John Fox was to provide the luncheon address.
9. In a review of regional affairs, John Fox covered the following points:
  - a) Chapter By-Laws should be reviewed and brought up to date in accordance with the Regional plan of operations.
  - b) Western Chapters who are having difficulty getting speakers should try to obtain local speakers and arrange for panel discussions where possible.
  - c) Publication of Chapter and National ASHAE news appears to be a good method of creating interest in the society activities. It was suggested that news could be printed on the back of the meeting notice. Also, the news memoranda from Headquarters should be distributed to the membership.

9. d) continued

It was doubtful how effective a publication on promotion of membership would be versus the cost. However, Booklets entitled "Your Career" will be made available for distribution at the high school and junior college level.

- e) It was recommended that the Regional Committee ask the National Headquarters to arrange for an officer of the Society to visit the Northern Alberta Chapter and possibly at the same time other Western Canadian Chapters. Northern Alberta Chapter has kept its program as flexible as possible to allow for the arrangements for this visit.
- f) Arrangements have been made to have the Ontario Gazette sent to the Chapter Officers of all Chapters in Region 7.
- g) John Fox expressed his appreciation for the assistance he has obtained from the Chapter Officers across Canada during his term of office.
- h) Chapters should submit the names of those who would be willing to serve on TAC (Technical Advisory Committee).

Council Member John Ross reported that names of new ASHAE members are being tabulated at headquarters and the regional directors and each Chapter will receive a list for follow-up to bolster the local chapter membership.

10. After the luncheon meeting, at a closed session of the regional director, delegates and alternates, D. W. THOMPSON of Vancouver was elected member and A. PILKROY of Winnipeg and J. KLASSEN of Ottawa, the two alternate members of the Nominating Committee of the National Society.

11. Discussion of Chapter Operations:

P. Butler suggested that the Western Chapters make joint arrangements to bring in outside speakers for their meetings.

D. L. Lindsay stated that Montreal Chapter needs activation in encouraging members' attendance at meetings and asked what other chapters are doing.

C. Torry said that attendance at their meetings in Toronto average 125 to 150 with a minimum of 100 members. He felt that the Chapter paper published monthly was probably the main reason for this attendance record. They have a telephone committee which is not functioning as fully as it might. He suggested having an old timers' night or past president's night to get the older members out. Where possible, they should be given something to do at these meetings to stir up their interest.



11. (continued)

J. Klassen said that in Ottawa they have a very active telephone committee. Other Chapters indicated that they make use of a telephone committee.

12. Candidates for TAC Committee - It is up to the Chapters to promote members for this Committee. Delegates and Alternates were requested by Chairman HOLE to keep this in mind.

13. The next regional meeting will take place in Winnipeg at a time to be announced later by our Regional Director.

14. John Fox mentioned that a letter had been received by Past President James criticising the method of nominating members of the Executive. President Gordon pointed out that the procedure is not undemocratic as was suggested and that there was no other practical method of handling this in a technical society such as ours. Since the member had not put forward any constructive suggestions, either in his letter or through his chapter delegate, the matter was dropped.

Mr. Klassen suggested that the Chapter Nominating Committee put forward two names for the Treasurer's position, but only one for the other posts to maintain coordination from year to year.

15. John Fox reminded the meeting that all Chapters should secure a supply of the Manual of Chapter's Operation (under the Regional Plan) and ensure that the Chapter Committees are fully informed of the method of operation.

16. The meeting adjourned to the Building Research Dept. of NRC where the members were welcomed by Dr. Neil Hutcheon. After a brief resumé of the facilities available and the work they are doing, Dr. Hutcheon and Grant Wilson conducted our group on a very interesting tour of the Building Research Laboratories. Unfortunately, we were short of time and our tour was necessarily brief.

17. President Gordon addressed our group on the subject "Our Bottleneck Technical Knowhow". He prefaced his talk by complimenting our Chairman and Delegates on completing the business of the meeting in a thorough and concise manner. Recognizing that there is a shortage of skilled personnel in our industry, he posed three questions:

- a) What are the causes,
- b) What steps should be taken to remedy the situation,
- c) What can the ASHAE do.

17. (continued)

- a) More Engineers are being required due to the tremendous growth in the industry. A tremendous growth potential still faces us. In addition, there is the normal population growth. The increase in complexity of systems requires more skilled personnel for design, interpretation and installation.
- b) There are various programs in force and being proposed for increasing teaching staff, facilities and enrolment, by both government and industry. Industries are taking a more active interest in this problem and, in fact, are competing with each other at this level.
- c) There is a trend toward revision of engineering courses to more theoretical courses and less of the practical courses. In fact, a change may be made to a completely general course to turn out engineering scientists. All this is to the good of the profession; however, it will make it more difficult for us to entice these graduates into our industry.

We must interest educators in our field. We must improve our solicitation of graduates. We should invite students to our chapter meetings. We must encourage post graduate work in our field.

We must make more use of Technical Institute Graduates, or Engineering Technicians. The ideal ratio is 3:5 engineering technicians to one engineer. We must encourage upgrading of engineering technicians through evening sessions.

We should investigate the possibility of using women in engineering.

What our Society Can Do:

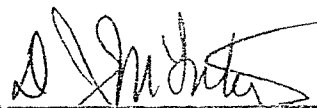
At the National level, it can advise the Chapters of developments at the Chapter level relations with Universities and their staff can be improved. Also, when new colleges are formed, the chapter can make sure that courses are made available in our field, perhaps, by supplying part time teachers.

The chapter can also promote the upgrading of engineers in our field.

Lorne Lindsay thanked President Gordon for his excellent talk. It was the opinion of most of those who heard President Gordon's address that, if possible, copies should be made available for distribution to the membership.

It was unanimously agreed that our Regional Director should send letters to Dr. Hutchison and the Ottawa Chapter Executive thanking them for their splendid hospitality.

The delegates, alternates and guests were invited to attend the regular monthly meeting of the Ottawa Chapter where all enjoyed the informal get-together, the dinner and the talk on the North Country and its problems by Major General Hugh Young.



D. J. McIntyre, Secretary



J. Klassen, Honorary Secretary

DJM:BP

## SUMMARY OF 1957

### CHAPTER AGENDA ITEMS

Number in brackets indicates region from which submitted.

#### A. MEMBERSHIP

1. List of membership in local roster for members in good standing as of May 1 each year. Roster to be published not later than October 1. (3)
2. Long delay from date of application to final acceptance of membership. Suggest that letter of acknowledgment be sent applicant when application is first received. (3)
3. Membership applicants received by Chapter secretaries after March 1 shall pay full yearly Chapter dues which will be credited for the full following Chapter year in lieu of pro-rated dues for spring period. (3)
4. Applicants who have made dues payments for local and national membership be given standard membership lapel cards pending formal notification of acceptance of membership by headquarters office. (3)
5. Revision of membership application to eliminate "value of mechanical equipment, total CFM, EDR or tons of refrigeration" and substitute short paragraph describing applicant's duties and responsibilities. (2)
6. Establish a standard report form for determining reasons for membership resignations. (4)

#### B. FINANCES

1. Chapter budgets should be prepared and presented to the membership not later than November 1 each year and that each committee be allocated appropriate funds for their operations. (3)
2. Reduction of local Chapter dues to one-half for full-time educators and students. (2)
3. Collection of dues based on fiscal year rather than calendar year. (2)
4. Excess funds of Chapters could be contributed to research or other worthy causes relating to the basic aims of the Society. Recommended that contributions be withheld until a minimum of five hundred dollars is available. (3)

B. FINANCES (continued)

5. Earmarked Chapter funds to support aims and objectives of local engineering societies chapters operating as a group, including membership in such groups and promotion. (3)

C. MEETINGS

1. Problem of obtaining speakers for first meeting in the fall. (2)
2. Chapters to be provided with speakers list each year for speakers on a regional and national basis. (4)
3. The Society Annual Meetings shall be fixed at the same dates and place each year. (5)

D. PUBLICATIONS

1. Chapter publications and their effect on membership. (1)
2. Chapter roster should include a page giving a brief statement of major Society aims, membership qualifications, Society and Chapter dues and a brief paragraph on Chapter history. (3)
3. Request for literature to promote the profession of heating and air conditioning engineers. (5)

E. CODES AND STANDARDS

1. Codes and Standards - review of 1956 action. (1) (4)

F. OTHER ITEMS

1. Local Chapters to contact Federation of Engineering Societies to determine what steps they have taken toward revising their codes and by-laws to substantially agree with ours. (3)
2. Consideration of re-arrangement of Regions requested by Rocky Mountain Chapter. (3)
3. Establish a Chapter Public Relations Committee to improve public relations and encourage high school students toward the engineering field. (3)
4. Combining with A.S.R.E. (3)
5. A master sales and educational program for securing high school and college students for engineering field. (4)

F. OTHER ITEMS

6. Liaison be established through E.J.C. (4)
7. More extensive use for Manual for Chapter Operations should be made by Chapter Officers. Recommend that this Manual be assembled so it can be separated into sections for the chairmen of the various committees. (6)
8. Suggested that a second alternate be provided for the four Nominating Committee members selected by the Council. (6)

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