

**ASHRAE - REGION XI - 1989 CRC - WESTIN HOTEL, SEATTLE WA**

**BUSINESS SESSIONS**

**THURSDAY, MAY 11, 1989 - 9:00 A.M. TO NOON**

**AND**

**SATURDAY, MAY 13, 1989 - 7:30 A.M. TO 10:00 A.M.**

**CHAIRMAN - DONALD E. HOLTE, DRC REGION XI**

**MEMBERS PRESENT:**

Director & Region XI Chairman.....Donald E. Holte  
General Chairman, CRC Host Committee.....Donn R. Roberts  
Vice President.....George W. Buckler  
Treasurer.....Damon Gowan  
Vice Chairmen:  
Education and Chapter Program.....Wendell W. Wolfe  
Energy and Technical Affairs, Alaska Chapter.....Dick Armstrong  
Research Promotion, Saskatoon Chapter.....Bill Dean  
Membership Promotion, Oregon Chapter.....Lewis E. Seagraves  
Historian, Oregon Chapter.....Earl Constant  
Region XI Nominating Committee Member..... John Trueb  
Region XI Nominating Committee Alternate..... Harry Anderson

**CHAPTER**

**DELEGATE**

**ALTERNATE**

Alaska	James Harrison	Charles Wuebben
British Columbia	Ron Strong	Alex J. Boome
Inland Empire	Lorne Burley	Steve Bloom
Manitoba	Dieter Bartel	Dan McKay
Mid Columbia	Robert L. Brown	Bob Gregonis
Northern Alberta	Jeff Elkow	C. W. Alexander
Oregon	Ralph Mattison	Dick Swanson
Puget Sound	Steve Nicholes	Jeff Hansen
Regina	Bill Wright	
Saskatoon	Dan Thompson	Bill Popiel
Southern Alberta	Donald L. Dennis	Bob Lounsberry
Vancouver Island	Ken Sinclair	Bob Landell

**VISITORS:**

Dick Perry, British Columbia, Research Promotion Chairman  
Det Geopfert, Oregon, Past Director and Regional Chairman,  
Region XI  
John Cain, Vancouver Island, Energy & Technical Affairs Chairman  
Jack Meredith, Vancouver Island, Research Promotion Chairman  
Keith Hawkins, Vancouver Island, Chapter President  
Dwitt Bistell, Southern Alberta Chapter  
Ron LeFebvre, Saskatoon, Chapter President  
Cedric Trueman, Vancouver Island, Education and Chapter Program  
Committee Chairman  
Keith Reed, Alaska, Energy & Technical Affairs Chairman  
Raju Paul, Southern Alberta, Governor

**VISITORS (continued)**

Paul Roggeman, Southern Alberta, Education and Chapter Program  
Committee Chairman  
Ron Babcock, Puget Sound, Member  
Tony Janssen, Northern Alberta, Past President/Government Affairs  
Ralph Robson, British Columbia, Education & Chapter Program  
Committee Chairman  
Rich Gallagher, Oregon, Energy & Technical Affairs Chairman  
Dwayne Knippshild, Southern Alberta, Energy & Technical Affairs  
Chairman

**MEMBERS ABSENT:**

Director, Membership & Chapter Services.....Carolyn Stewart  
Vice Chairmen:  
Refrigeration.....Brian Webb

1. **CALL TO ORDER:** The meeting was called to order at 9:00 a.m. by Don Holte, Chairman.
2. **ELECTION OF SECRETARY:** A motion nominating Jay McCarthy as secretary was moved, seconded, and carried.
3. **ROLL CALL:** Roll Call for the 10th Regional Conference was completed.
4. **INTRODUCTIONS:** Don Holte made appropriate introductions
5. **COMMENTS FROM OFFICERS:**

**Damon Gowan, Society Treasurer:** "The purpose of a CRC is to have an exchange in communication that you can feed to us and we can say what is going on in Society. It is an exchange of information and this is where it all happens. CRC's are really the democratic process of ASHRAE and it is a very important event in the Society year and gives each of you an opportunity to express changes you would like to see, new programs you would like to implement. We will take that information back to Society and hopefully these things will become realities. We thank you for your participation. It is a great deal of pleasure for me to be with you again for the third year in a row."

**George Buckler:** "We look forward to a good CRC and it is a pleasure to be here."

6. **APPROVAL OF MINUTES OF LAST MEETING:** A motion to approve minutes from the Chapters Regional Conference of Region XI, May 12 & 14, 1988, Skyline Calgary Hotel, Calgary Alberta, was made by Alaska Chapter and seconded by British Columbia. Motion carried.

7. OLD BUSINESS - MOTIONS FROM 1988 CRC:

- A. A motion was put forward by the Alaskan Chapter that the Society study the establishment of a toll-free telephone number for use by chapter officers or the general members. That was eventually defeated at Regions Council as it was too expensive to have in place at this time.
- B. Don Holte stated "There was a motion tabled last year put forward by British Columbia. I will read it but I would like to take that motion and move it on to the end of this session when we get into new business as it is something we should deal with and try to clean up. The motion reads in effect: "That Region XI obtain the necessary approval to hold the CRC between September 15 and October 15 each year commencing in year 1989." That motion was tabled. There was a vote of 10 yes', 2 no's on it after a lengthy discussion. Bearing that in mind we will come back to this later."
- C. Motion from the Manitoba Chapter to the effect that Society review and rewrite the PAOE Rules in Energy and Technical Affairs so that they are more definitive as to what type of technical presentation to government, public, students, constitute points. That was looked at by the Regions Council, forwarded to a sub-committee on PAOE for their review and action. There is some action underway. Don Holte will report more in a Newsletter after the June meeting of the Society.
- D. Motion by the Manitoba Chapter that Society review travel expenses every other year for all incoming chapter committee chairpersons attending CRC's and reimburse them just as Society now does for Membership Promotion Committee Chairpersons, specifically Education and Chapter Programs, Refrigeration and Energy and Technical Affairs. That motion was defeated at Regions Council once again it was too expensive. It was not felt Society could afford it at this time.
- E. There was another motion carried that ASHRAE Publications Department be required to continue to list stock and make available ASHRAE standards for five years after that standard has been replaced by a revised standard. If the old standard was approved by American National Standards Institute (ANSI), then the old standard shall be available for five years after the new standard has been accepted by ANSI. Once again that was defeated at Regions Council. The Society does however keep old standards, copies can be made available to you of nearly anything that has been published. So if you are really in need of something you can acquire it. However, it is not kept in the original format forever.

- F. There was another motion from Saskatoon Chapter. That the ASHRAE Chapter Information Questionnaire be revised to allow the inclusion of fax numbers and the members address. That was reviewed and forwarded immediately to the staff for action and it will be incorporated as they develop new information questionnaires. You will certainly see room for fax numbers.
- G. There being no other old business the meeting proceeded into reports.

8. **NEW BUSINESS:**

A. DRC Report

Donald E. Holte, DRC Region XI Report - Accomplishments outlined in **attached** report.

B. RVC's Report

Wendell Wolfe, Alberta Chapter, Vice Chairman, Region XI Education & Chapter Programs - report of accomplishments **attached**.

Richard Armstrong, Alaska Chapter, Vice Chairman, Region XI Energy & Technical Affairs - report **attached**.

Bill Dean, Vice Chairman, Region XI Research Promotion - summary of report included:

Reached 50% of goal in research. Two chapters have reached their goal; and one Chapter, Vancouver Island, has nearly doubled their goal. Good deal of success going and it is continuing and the campaign officially ends June 30th.

Focus in research has been more heavily directed toward training, recognition, awareness. Trying to help everyone realize that research is as much an asking and a thanking process as it is money. Very good campaigns going on. Very ambitious goals set and we seem to be meeting them.

Lewis Seagraves, Vice Chairman, Region XI Membership Promotion:

Seven chapters with par membership in PAOE: Manitoba, Mid Columbia, Northern Alberta, Oregon, Regina, Saskatoon, and Southern Alberta. Several more will be seen by the end of the year. It encourages growth, and quite a number of points for new growth.

New membership applications have been well received.

Goal was three per cent increase in advancements. That has been very difficult goal, almost unrealistic goal but we are currently at one per cent.

Delinquents are a problem in some Chapters and we know that you are all doing your best on attacking this problem.

Saskatoon has fifty new students this past year.

John Trueb, Region XI Nominating Committee Member: Successfully discharged their duties. Have two additional members from this region present, Dick Perry and Det Geopfert, both serve on the nominating committee.

Earl Constant, Region XI Historian: Need to promote some action from the Chapter Historians. One Chapter History has been completed. Seven chapters have not come up with a history of that chapter and delegates were encouraged to give chapter historians encouragement to continue in their efforts to complete. Earl offered his help to any chapter needing it.

Don Holte reported that in 1994 we celebrate our 100th Anniversary as a Technical Society and it would be a very good goal for every chapter in this region to have that as the absolute end target to put together their own chapter histories.

C. CHAPTERS SUMMARY REPORT:

Each chapter presented a report which is available through your Chapter Delegate. A summary of those reports are **attached** for your perusal.

Southern Alberta Chapter expressed concern over the continued inaccuracy of Society membership list.

George Buckler expressed concern over the drop off of student membership (in some cases 50% or greater) and the high number of delinquencies for this time of year.

Damon Gowan complimented those chapters that had placed a copy of the 1989-1990 Chapter Information Questionnaire in their reports and he would encourage those chapters that have not done so to do so. Very beneficial to have this included.

D. MOTIONS FROM CHAPTERS:

1. Motion from the Alaska Chapter:

"Chapter Society review other professional societies Energy Policies and update and revise, their current policies in order to develop a National Energy Policy."

Seconded by Puget Sound Chapter.

Background information was given and discussion ensued.

Vote was taken:

For: 2

Against: 0

The number of abstentions could not be counted but it was in excess of 6. Don Holte stated that motion would be defeated.

2. Motion (which was tabled last year) put forward by the British Columbia Chapter:

"Whereas, the Spring CRC is usually held in early May, before the end of the fiscal year and, in many cases, before the Chapter's May (annual meeting), some Chapters are unable to produce accurate CRC Chapter Reports that reflect Chapter business and activities for the complete year.

Therefore, be it resolved, that Region XI obtain the necessary approval to hold the CRC between September 15 (amended to August 15) and October 15 each year commencing in 1989."

Seconded by Inland Empire.

Background information was given and discussion ensued. Motion amended to read 1991. Currently there are 8 Chapters having late Summer/Fall CRC's and 4 having Spring CRC's and division of workload was discussed for Society Officers.

Vote taken:

For: 4

Against: 8

Motion defeated.

The first business session adjourned at 11:45 a.m.

The second Business Session was called to order at 7:30 a.m., Saturday, May 13, 1989 by Don Holte.

All Delegates were present and accounted for.

Carolyn Stewart, Director, Membership & Chapter Services was introduced. Carolyn apologized for missing the first business session and thanked the group for inviting her.

**MEMBERS & VISITORS:**

Gary Way, British Columbia, Chapter Secretary  
Raju V. Paul, Southern Alberta, Incoming Governor  
Brian Webb, Manitoba, Regional Vice Chairman Refrigeration  
Donn Roberts, Puget Sound , CRC Chairman  
John O. Trueb, Oregon, Nominating Committee Member  
Harry Anderson, Southern Alberta, Nominating Committee Alternate  
Keith Reed, Alaska Chapter, Energy & Technical Affairs Committee  
Chairman  
Peter Sung, British Columbia, Incoming Chapter Education and  
Chapter Program Committee Chairman  
Dick Armstrong, Alaska, Regional Vice Chairman Energy & Technical  
Affairs  
Ralph L. Robson, British Columbia Chapter, Education & Chapter  
Program Committee Chairman  
Ron LeFebvre, Saskatoon, Chapter President

**D. MOTIONS FROM CHAPTERS CONTINUED:**

3. Motion presented by Manitoba: and seconded by Northern Alberta:

BE IT PROPOSED THAT: Society produce/develop descriptive video or slides of a typical regional conference, showing the social activities, but emphasizing the business sessions, committee workshops and technical tours. The tape/slides would then be available to be loaned out to chapters.

Seconded by Northern Alberta Chapter.

Discussion ensued.

Motion amended to read "slide audio show."

Vote was taken on amendment:

FOR: 9  
AGAINST: 2  
ABSTENTION: 1

Discussion ensued including amended clause.

Vote was taken:

FOR: 12  
AGAINST: 0

Motion carried.

4. Motion presented by Mid Columbia:

Move that the host chapter of the CRC investigate more than three hotel/convention sites and that the single hotel room rate of the selected site be less than \$70.00 (U.S.).

Seconded by Manitoba.

Background information presented and discussion ensued.

Vote taken:

FOR: 1  
AGAINST: 11

Motion defeated.

5. Motion presented by Norther Alberta Chapter:

Increase ECP "Existing Student Branch" PAOE points from 25 to 100.

Seconded by Manitoba.

Background information was presented and discussion ensued.

Vote was taken:

FOR: 8  
AGAINST: 4

Motion carried.

6. Motion presented by Oregon Chapter:

Move that the Society establish an "application" grade to be assigned to applicants immediately after a completed application is received. The new member will receive an assigned grade on a rolling schedule after review by the Admissions and Advancement (A&A) Committee.

Seconded by Puget Sound Chapter.

Background information presented and discussion ensued.

Vote was taken:

FOR: 10  
AGAINST: 2

Motion carried.

7. Motion presented by Puget Sound Chapter:

THEREFORE BE IT RESOLVED THAT: ASHRAE Society accept local chapter dues from new applicants. (This would allow those chapters that pay their local dues through Society to recognize new members as local chapter members).

Seconded by Alaska.

Background information presented and discussion ensued.

Vote was taken:

FOR: 12  
AGAINST: 0

Motion carried.

8. Motion presented by Vancouver Island:

In order to encourage greater attendance at CRC's, be it resolved that CRC's have a definite technical program component of at least six (6) hour duration, scheduled so it does not conflict with CRC workshop sessions.

Seconded by Regina.

Background information presented and discussion ensued.

Vote was taken:

FOR: 12  
AGAINST: 0

Motion carried.

8. OTHER ITEMS FOR REGIONAL DISCUSSION:

1. 1990 CRC: Discussion ensued regarding the invitation by Region X to join them in Hawaii for a joint CRC in 1990.

One chapter voiced an objection due to the timing, cost, time commitments, and lack of detail. The other eleven chapters offered positive feedback and were in favor of a joint CRC meeting in Hawaii. Goals of the CRC are in line and are kept in mind.

The planning for this should begin as soon as possible. Don Holte stated he would take this to Regions Council in June and get information back to each chapter no later than August. If approved by the Regions Council, it would be held in the second calendar week of May. Additional discussion ensued. Please submit your ideas to Don Holte as soon as possible.

A motion was made by British Columbia:

"That Region X and XI hold a joint CRC in 1990 in Hawaii."

Seconded by Manitoba.

A vote was taken:

FOR: 11  
AGAINST: 1

2. 1991 CRC: Saskatoon (Their 25th Anniversary as well)  
1992 CRC: Vancouver Island  
1993 CRC: Alaska  
1994 CRC: Northern Alberta

3. CRC Timing:

Discussion ensued regarding the timing of the CRC Meetings and the choices were: Friday, Saturday, and Sunday or Thursday, Friday, and Saturday. Many felt it could start as early as 7 or 8:00 a.m. on a Thursday and continue until 5:00 p.m. on a Saturday.

A vote was taken:

Friday, Saturday, and Sunday = 2  
Thursday, Friday, and Saturday = 9  
Neutral ..... = 1

4. Regional Fund:

The purpose of a Regional Fund is to defray travel expenses of the regional vice chairman and chairman, as well as fund workshop participation by other members. It was suggested that each Chapter consider the implementation of a regional fund. Some Chapters have implemented this and it has proven beneficial.

There are certain guidelines which must be followed regarding a fund of this nature and that information can be obtained from Region XIII.

5. Other Comments:

Oregon Chapter made an open invitation to their 50th Anniversary Awards Banquet to be held October 5th.

Comments regarding CRC Reports were made to include the following: visual quality has improved tremendously, a concern over the attendance was expressed as well as the lack of 1989-90 information questionnaires being included. in the reports. Southern Alberta was complimented for the inclusion of the Speakers Bureau in their report.

George Buckler stated "this is the finest CRC I have attended and I think it was very successful and I am please to have been a part of it."

Damon Gowan stated "it was an outstanding CRC. It included many action items, good motions, good questions and answers. It showed that your CRC action committees met and it was very obvious that there had been chapter participation. A lot of thought went into the nominations, awards, and business sessions. The entertainment was outstanding and I thoroughly enjoyed the technical program. I would like to compliment the Puget Sound Chapter on a job well done."

Since there was no further business, Regional Chairman Donald Holte, adjourned the 1989 Region XI CRC at 9:32 a.m.

Submitted by: Darlene Polando  
Darlene Polando, Recording Secretary



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Donald E. Holte, P.E.  
Director & Regional Chairman XI

Reply to: NOVA ENGINEERING LTD.  
13808 - 73 Street  
Edmonton, Alberta, Canada  
T5C 0V4  
☎ 403-473-5871

REPORT ON: REGION XI DRC'S ACTIVITIES JULY/1988 - MAY/1989  
TO: CHAPTERS REGIONAL COMMITTEE CONFERENCE, MAY 10-13, 1989,  
SEATTLE, WASHINGTON

FROM: DONALD E. HOLTE, DRC REGION XI

Since taking office as Region XI's Regional Chairman at the Society's Annual Meeting in Ottawa on June 26, 1988 I have:

1. Held a Region XI planning meeting in August, 1988 at the Westin Hotel, Seattle, WA. The meeting was attended by Lew Seagraves, Wendell Wolfe, Bill Dean, Dick Armstrong, John Trueb and Donn Roberts.
2. Visited all of the twelve chapters within Region XI and during these visits had the opportunity to talk to three different student groups about ASHRAE and the HVAC & R industry.
3. Attended Region's Council meeting in Chicago on October 15 and 16, 1988.
4. Attended the Society's Winter Meeting in Chicago on January 29, 1989-February 3, 1989 and while at this meeting attended the Region's Council meeting and Board of Directors meetings.
5. Attended Region VIII's CRC in Houston, Texas on April 27-28, 1989.
6. Published three newsletters (the fourth newsletter will be sent out immediately after this CRC).
7. Started to put together my personal roster of the names of members from the various chapters who have either expressed an interest in continuing to work with ASHRAE or who I think would do so if asked. This roster will be used as my data base for the supply of members names when asked for same by the Society's officers.
8. Observed a fair degree of involvement of members in government affairs, particularly by the chapters in the U.S.



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Donald E. Holte, P.E.  
Director & Regional Chairman XI

Reply to: NOVA ENGINEERING LTD.  
13808 - 73 Street  
Edmonton, Alberta, Canada  
T5C 0V4  
☎ 403-473-5871

- 2 -

During the past year in our Region:

1. The Regina Chapter held a very successful Professional Development seminar on testing, adjusting and balancing.
2. Many chapters held very successful mini trade shows.
3. Members participated in the indoor air quality seminar recently held this spring in San Diego, CA.
4. The western Canadian chapters held a successful John Ross trophy curling bonspiel.
5. The Vancouver Island and British Columbia chapters have been busy rounding up people to work at the upcoming Society Annual Summer Meeting to be held in Vancouver, British Columbia in June, 1989.
6. Chapter members in our Region are chairing and serving on the new Cold Climate Design task group that the Society has recently formed.

This, my first year as Regional Chairman, was a year of getting acquainted. To properly visit all of the chapters in the Region within the year and to have a chance to talk with their Boards and meet and discuss things with Chapter members requires a fair degree of travelling and about 19 to 20 days away from my office however it has proven to be probably one of the most enjoyable and interesting years of my life. I never cease to be amazed at how much all ASHRAE members have in common; discussions with Chapter members in Portland, Oregon or Winnipeg, Manitoba or Anchorage, Alaska really do not differ greatly. The 1989/1990 year will, I am sure, be even more enjoyable however I would really appreciate it if I could some day receive some feed back from our members in Region XI and, in particular, some editorial type articles that I could use in the Regional Newsletter so that people within the Region would get a better understanding of what goes on in each of the individual chapters.

In closing I would just like to say that even though it is great to have many PAOE points showing up on your record one must always remember that quantity without quality is usually of very little benefit to anyone so keep up the good work and don't enter into a points only game.

DEH/wh



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Richard S. Armstrong, P.E.  
Vice Chairman, Region XI  
Energy & Technical Affairs

Reply to: RSA Engineering, Inc.  
719 E. 11th Avenue, Suite 210  
Anchorage, AK 99501  
☎ 907-276-0521  
Fax 907-276-1751

May 8, 1989

NOVA Engineering, Ltd.  
13808 - 73rd Street  
Edmonton, Alberta, Canada T5C0V4

ATTENTION: Don Holte, P.E.  
ASHRAE Region XI Chairman

Dear Don:

SUBJECT: ENERGY AND TECHNICAL AFFAIRS COMMITTEE  
ANNUAL STATUS REPORT - 1988-89

This has been my first year in the position of ETA Regional Vice Chairman. I've learned a great deal from the Society meetings, and especially from the Chapter ETA Chairman. I've found the position to take a good deal of work but the work was offset by the pleasure of dealing with the people throughout the Region and the Society. Highlights of this years activities and accomplishments are:

- o Six submittals were received for the Society Energy Award competition.
  - 2 of the six entries received Society awards (2nd and 3rd place).
- o To date, 5 chapters earned over 800 PAOE points. All results are not yet in to determine final standings of PAOE points.
- o Some peer review volunteers have been recruited, but we are going to try to improve in this area.
- o We plan to have a government affairs speaker (Cedric Trueman) at our CRC workshop to get more participation in this area.
- o All of the reporting chapters had at least one energy seminar or talk.
- o We plan to seek more peer reviewers this year through better understanding of the requirements of the program.

Very truly yours,

Richard S. Armstrong, P.E.  
Principal Engineer

89-276



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Wendell W. Wolfe, P.E.  
Vice Chairman, Region XI  
Education & Chapter Programs

Reply to: c/o Engineered Air  
1401 Hastings Cres. S.E.  
Calgary, Alta., Canada  
T2G 4C8  
☎ 403-287-2590  
Fax 403-243-5059

REGION XI - CRC  
11th - 13th May, 1989  
Seattle, Washington

#### Report of the Education & Chapter Program Committee

\* All twelve chapters had a Chapter ECP Committee, some more active than others. Five chapters reported their PAOE activities on a regular basis.

\* Ten chapters operated with the Program Chairman separate from the Education chairman with no direct responsibility between them.

\* All chapters reporting felt they had successful chapter programs through the year. There was an increase in the number chapters holding ECP organized technical seminars before their dinner meeting. It was generally felt that this increased the attendance at their dinner meetings.

\* There was an increase in use of Society prepared materials. The Regina chapter held a most successful PDS on TESTING, ADJUSTING & BALANCING with 44 in attendance

\* We presently have five student branches; all active and strong. This year with the annual meeting to be held in our region we have made four nominations for the position of Student Consultant at the ECP society meetings scheduled for Vancouver (June/89), and Atlanta (January/90).

\* Both the Inland Empire, and the Oregon chapters are working on the establishment of a student chapter.

\* The Southern Alberta chapter ECP committee has been instrumental in the University of Calgary formulating a HVAC elective option course for the fourth year mechanical engineering students.

\* During the year I have made four mailings to all of the ECP chairmen, and made contact by telephone with all ECP chairmen and / or chapter presidents. A number of chapter presidents reported that their ECP committee had been active but were tardy in the reporting of their activities. All chapters should exceed par PAOE point.

\* I represented the Region at the society ECP committee meetings at both Ottawa, and Chicago, and have been active on three sub-committees.



## ASHRAE - Alaska Chapter

## \*\* President's Annual Report \*\*

The Alaska Chapter has almost completed another good year. Our State's severe economic downturn reported last year may be bottoming out, but has not turned around yet. While other local professional societies in the State are still losing members our Chapter has held its own. We are very proud of our Chapter's accomplishments this past year, none of which would have been possible without the dedication and hard work of our officers and committee members. Some highlights of the various committees are listed below and they are detailed in the individual committee reports.

## Membership

- Provided personal backgrounds of new members in the newsletter.
- Actively persued dilynquents.
- Conducted a membership night meeting.
- Ran a special program for students in Fairbanks.
- Introduced a Tops award the most new members introduced.

## Code Review

- Prepared a local code ammendmend to allow heat recovery in kitchen ventilation systems.

## Energy Management / Technical Affairs

- Participated in two seminars organized by the local I.C.B.O. Chapter. One on Fire dampers, the other on the new 1988 edition of the Uniform Mechanical Code.
- Initiated our first table top displays before the meeting.

## Education, Programs and Publicity

- Conducted six technical programs.
- Conducted one social program.
- Provided publicity about the programs in the newspapers.

## Government Affairs

- Worked with the Home Builders Association on a State Home Energy Code.



#### Roster

- Fax. telephone numbers were included.
- Provided a professionally typeset roster.
- Included the video tape library listing.
- Included a listing of Consulting Engineers, Contractors and Manufacturer's Representatives with their lines.

#### Research Promotion

- Encouraged donations through individual letters.

#### Special Events

- Organised the third annual golf tournament
- Organised the third annual ski party, Nordic and downhill.

#### Engineer's Week

- Member Lee Holmes headed the Mathcounts competition statewide.
- Member Dave Bathke headed the arrangements committee.

#### Newsletter

- Continued photos of meetings and events.
- Enhanced the quality and punctuality of the Hotgas Bypass.

#### Historian

- Maintained and kept the Chapter history current.

#### Nominations and Awards

- We did nominate an engineer of the year during engineer's week.

In summary I am very glad to have worked with a dedicated group of officers and committee members and I thank them for another job well done.

Respectfully submitted,

  
Jan Van Den Top P.E.

# BRITISH COLUMBIA

## PRESIDENT'S REPORT

I would like to share with you the results of some of the changes we made to Chapter operations this year.

Early last summer, the Board of Governors decided that one of their objectives would be to enhance the image of the chapter and to make the membership feel good and proud about belonging to ashrae, besides enjoying the meetings and having fun. As a strategy we chose to change the meeting place and not to place too much emphasis on the cost of the meetings. Also, we chose a better meeting place and setting for our Board of Governors' meetings, typically a nice breakfast meeting. I believe that the Board of Governors' meetings became more enjoyable and likely more effective.

As for the dinner meetings, we have seen a moderate increase in attendance. However, the interesting observation is that the meetings that had the highest price drew the largest attendance and I can safely conclude that price is a minor factor.

This year we also elected to have the Society collect the Chapter dues. Unfortunately so far this option does not seem to be beneficial. We collected less money, we spent a lot of the Board of Governor's energy on the subject and ended up billing a good fraction of the membership that had not paid their membership dues.

This year we offered our Student Night to students to prepare, run and manage. I must admit I did not think it was going to work; it actually did. The meeting was to discuss the future of education and generated a lot of discussion on the split of responsibility between technologists and engineers. It's likely that the B.C. Chapter will be doing something about it.

Finally, the Chapter converted its budgetary affairs to a computer system last year and some problems cropped up this year, basically because of too much expectations from the program. We seem to have handled this and we formed a small committee that will come up with guidelines on the Treasurer's activities. If you are considering doing the same thing, we will be happy to share our experience with you.

At our Board of Governors' meetings, the word "volunteer" jumps up every now and then, implying that those serving do not get paid. I completely disagree. We do not get paid in monetary terms but I am certain that serving ASHRAE, or any association for that matter, helps a person develop by giving him a safe environment in which to try out his abilities. We also get more exposure which means that we get free publicity; publicity that is otherwise very expensive to acquire.

I will have to miss the 1989 CRC in Seattle, which is unfortunate for me, but I wish you all a successful and enjoyable meeting.

Zak El-Ramly

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.



April 24, 1989

American Society of Heating, Refrigeration,  
and Air Conditioning Engineers, Inc.  
1791 Tullie Circle, N.E.  
Atlanta, GA 30329

Attention Mr. Donald Holte, Chairman Region XI

Re: Annual report for 1988/89  
Inland Empire Chapter of ASHRAE

Dear Don:

The past year for our Inland Empire Chapter of ASHRAE was a successful one, with many of our goals and objectives fulfilled. Of course there will always be room for improvement in many areas which we have identified, the most important being the recruitment of new and active members, getting current members more involved in chapter activities, and maintaining a high standard of meeting programs.

Program topics this year covered a variety of subjects to stimulate member interest. Many of the best attended meetings were those which included a tour after the guest speaker's presentation. Our April meeting topic of DDC control theory and application sparked an especially lively discussion. Emphasis will be directed next year towards the topics of indoor air quality, CFC's, Energy conservation, and DDC controls systems.

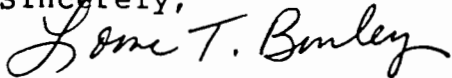
A greater emphasis is being planned to increase the size and scope of our annual table-top product show, for next year. We hope to have 12 to 15 participants, with all money raised divided between the scholarship fund, ASHRAE research, and to defray CRC expenses.

The Chapter annual Christmas party was held again this year with excellent attendance, and the same is expected for the golf tournament to be held in Mid-May.

Our government affairs committee was especially active this year with emphasis on resolving a continuing problem with inspections of mechanical equipment and controls devices by Washington State Electrical Inspectors. It appears at this time that the persistent and hard work by the Committee is resulting in some positive effects.

We are looking forward to implementing many of the ideas and suggestions discussed at this year's CRC for an active and improved Inland Empire Chapter in the up coming year.

Sincerely,



Lorne T. Burley, President-Elect  
Inland Empire Chapter ASHRAE



## ASHRAE - MANITOBA CHAPTER

## PRESIDENT'S ANNUAL REPORT

This past year our chapter operation was fortunate to have a group of Board members that were dedicated to needs of the Society and willing to put forth an exemplary effort. Whether a Chapter progresses, stalls or falters is precipitated by the calibre of the executive and I am truly grateful for their contributions.

Concerns as to how to attract new members as well as how to get more members to attend our meetings were tackled head on. Efforts were made to obtain membership participation to determine the logical areas of most interest. While the response to the questionnaire was below expectation, the views of the participants were utilized. More emphasis was placed on current information dialogue and applied topics such as Builder's Lien Act and CAD application which attracted better than average attendance.

Last year, we changed our meeting location and meeting night to facilitate the cost effectiveness of our region. This year in an attempt to attract potential new members we reversed our meeting program so that the technical presentation preceded the dinner. It was hoped that by having the presentation prior to the supper, that potential members would take advantage of the presentation without having to purchase a dinner ticket. This two evening trial lasted all year, due to the positive response of our membership even though the numbers of people not participating in the dinner was not significantly altered.

Social activities was the most frustrating endeavour of the year, while we managed to put a curling team together (Board of Governors) to go to Regina for the Bonspiel it was very disappointing to see only two other chapters participating (Regina, Edmonton). There has to be a way of creating more enthusiasm and I challenge the incoming executive of each Chapter to attempt to improve interchapter activities.

Our education chairman did and continues to do an excellent job in promoting our society utilizing the video library that he has taken the lead in developing.



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The specific reports of each of my chairman highlight our accomplishments and activities. We have made some excellent advances and further enhancements will be forthcoming. I truly believe that my greatest contribution this past year was the foresight and luck to be able to put together an executive group that was truly interested in developing the Society. As the year drew to an end my own business commitments put extra loads on the executive and they took up the challenge.

For the coming year, I leave our chapter in the capable hands of our President elect, who always found time to go that extra mile for our Society. We are a participative Society that relies on our membership for advancement and the priority challenge has to be how do we attract and retain the interests of our diversified membership.

Yours truly,

Brian Roberts P. Eng.  
Chapter President

## Mid-Columbia Chapter

### The President's Report

The highlight of this year's activities was our involvement in an ASHRAE Professional Development Seminar on Testing, Adjusting and Balancing. The Washington State Energy Office had taken all the risk and most of the paperwork, but the Mid-Columbia Chapter got the most credit for a job well-done. We also took advantage to promote ASHRAE membership and participation. The attendance was most surprising. We had 80 applicants for a classroom capacity of 40. We concluded there was a strong need for a TAB Seminar in this area and will try to help provide another next year.

Our Chapter membership has remained constant over the last year or so. The Chapter members are to be congratulated for this continued effort in providing the necessary services to help our small Chapter functioning.

We again were involved in the Mid-Columbia Science Fair. This fair is for 7th through 12th grade students competing for prizes awarded to the best presented reports and displays on a science subject of their choice. Mid-Columbia Chapter selected the two that best suited ASHRAE subjects and awarded each a \$50 savings bond.

Our Chapter activities also involved touring two refrigeration plants. One, the newly completed Tri-Cities Coliseum ice rink, and the second, an apple processing and storage facility. Attendees not only viewed refrigeration equipment but state-of-the-art control systems installed to monitor and control this equipment at peak efficiency.

In conclusion, I think we have had a very exciting and meaningful year. We have carefully planned and executed our activities to provide Chapter growth and education the very best we could and have met our Chapter goals.



PRESIDENTS REPORT  
\*\*\*\*\*

The Northern Alberta Chapter had another successful year as the drive for excellence continues in our chapter.

Our endeavour was to maintain the previous years' momentum in strengthening our chapter's depth on committees and participation of all members to ensure the future growth and vitality of the chapter.

A few of the highlights of the dedicated work of our committees:

MEMBERSHIP

This committee attained its chapter goal of 10% increase in membership.

RESEARCH

Due to the organizational effort of the chairman, this committee had a large increase in number of \$35.00 contributors.

A concerted effort was made to lobby the large corporations to put ASHRAE research funds into their upcoming budgets for future donations.

EDUCATION

Our student membership almost doubled from the previous year. A \$500.00 scholarship was established to be awarded in each May.

PUBLICITY

This committee organized another successful Mini Trade Show which enabled our chapter to make another large donation to the Research Fund.

My thanks to all committees for their dedicated work during the 88-89 Term and to all the chapter members who made this year so successful.

Jim Delaney, P. Eng.  
Chapter President 1988/89

## SUMMARY

### ASHRAE ANNUAL REPORT

#### THE OREGON CHAPTER 1988-89 YEAR

Oregon Chapter has momentum. Year after year the Chapter is successful because of hard working committees and Chapter members. This year has been no different. Oregon Chapter is a machine fueled by enthusiasm.

#### MEMBERSHIP PROMOTION

Bob Crites, Membership Chairman, increased membership by 41 new members which is beyond the Chapter goal established at the beginning of the year. This year we focused extra effort into member upgrades and Bob reports 15 advancements and expects more by year end. Again, Bob's membership night was a success and overall, the committee distributed 55 applications and is expecting more members before year end.

#### EDUCATION AND CHAPTER PROGRAMS

This year Jim Schroeder's committee concentrated on informing college and high school students about ASHRAE and our industry. College career guidance contacts in the form of presentations on ASHRAE were made and back issues of ASHRAE handbooks collected from Chapter members were distributed to 18 students. Chapter members also hosted high school students to the National Engineers Week Student Banquet which is a function held annually as a part of the week's observance. Jim's committee also arranged for Society's ASHRAE booth and manned the booth at the banquet.

Ralph Mattison had a successful year with Chapter meeting programs and achieved an average meeting attendance of 67. We are hoping to improve attendance by eliminating problems that keep our newsletter from being delivered promptly. Promptness is needed to promote meetings and promptness allows us to get a better head count for meal reservations. We hope to settle on a meeting location rather than moving around as we have the past two years and expect attendance will increase about 10% when we find a permanent home.

The Chapter's social functions were successful with 123 attending our picnic and enjoying golf, tennis, racquet ball, a softball game with ASPE and a barbecue dinner. Two busloads, 84 people, attended our ski night on Mt. Hood. Spouses night was a very successful dinner and wine tasting at which 71 were in attendance.

## ENERGY AND TECHNICAL AFFAIRS

Even though we are nearly through the Chapter year, Bill McNeal is still working hard with his committee. One seminar on "Building Commissioning" was held in the early part of the year and Bill has a "Control System Maintenance" seminar scheduled for the first week in May. A seminar announcement is in the Appendix. All signs point to a very successful May seminar. The Chapter had three entries in the energy awards competition and received one regional award.

Bill's committee formed a team of 4 to serve as peer document reviewers for Society level technical papers and articles. This group has been registered with Society.

In addition to the technical seminars, the Chapter has provided three energy talks before professional and business groups, has provided input to a legislative group on two occasions and has had a total of 5 appointments to government advisory board counsels or committees.

## RESEARCH PROMOTION/FUND RAISING

We continue to have success in research promotion under the direction of Chairman, Doug Dunford. For the years 1986 through 1988 the Chapter averaged \$8,935 in fund raising and, to date, the total contributed and pledged for this year is \$8,361. Doug anticipates reaching the \$10,000 Chapter goal and we feel the High 5 Goal of approximately \$11,000 is within reach. Doug has had good success with dinner meeting raffles and the Chapter has pledged to match these contributions to a maximum of \$150. The raffles have far exceeded that amount.

## FINANCES

The Chapter's reserve funds continue to grow toward the goal of being able to provide students financial support through scholarships. Additionally, funds are being accumulated to subsidize the expenses of committee chairmen and our delegate and alternate to the CRC. The Chapter feels it is important for these key leaders to attend the conferences and keep the Chapter effective and successful. Sources of income included dues, surplus from dinner meetings, technical seminars, roster advertising, picnic golf tee sponsorship and ski night race team sponsorship.

Other special projects funded by the Chapter include the Region XI J. Donald Kroeker Newsletter Award, financial support for the local National Engineers Week student banquet and the Chapter ASHRAE research promotion donation.

## CRC ACTION COMMITTEE

This year our Chapter is pleased to nominate Detlef Geopfert for an alternate or member to the 1990-91 Nominating Committee. We also recommend that Earl Constant continue as a Regional Historian for the 1989-90 year. John Trueb has been proposed for the Regional Award of Merit.

The Chapter has submitted a motion, the intent of which is to expedite the process of getting new members involved in ASHRAE. It literally takes a matter of months for a new member to hear from Society that he is a member of the organization. This delay can be frustrating and it seems like an unreasonable length of time before a prospective member can begin to accrue the benefits of belonging to ASHRAE. Our motion creates an "Application" membership grade which would be temporarily assigned until the new member is assigned a grade by the Admissions and Advancement Committee. We think ASHRAE needs to make a new member's first impression of the Society a good one.

The year has been a good one and we think it will compare well with Oregon's Chapter's long history of successes over the years. This year's officers, committee chairmen, and chapter members all have gone the extra mile, not because they had to, but because they wanted to. That is why our Chapter and ASHRAE as a Society is successful.



PUGET SOUND CHAPTER 1988-89

PRESIDENT Jay T. McCarthy  
PRESIDENT-ELECT Stephen J. Nicholas

VICE-PRESIDENT Jeffrey V. Hansen, P.E.  
SECRETARY Earl W. Tidball

TREASURER M. David Gardner, P.E.  
GOVERNOR Charles H. Blume

GOVERNOR Charles de Montigny  
GOVERNOR Richard W. Calvert, P.E.

May 8, 1989

American Society of Heating, Refrigerating and Air Conditioning  
Engineers Inc.  
1791 Tullie Circle N.E.  
Atlanta, GA 30329

Attention: Donald E. Holte, P.E.  
Director and Regional Chairman, Region XI

Subject: Summary Report for 1988/1989  
Puget Sound Chapter of ASHRAE  
Submittal Date May 10, 1989

Dear Donald:

The Puget Sound Chapter of ASHRAE for 1988/1989 has been an excellent year. More members have contributed time and energy to the various committees than ever in the past. The attached committee reports will demonstrate the enthusiasm and success of the Chapter making an impact on the community.

While the Chapter is comprised of five major geographic metropolitan areas, only the greater Seattle area members have truly received the benefit of participating in the monthly workshops and programs. A little over a year ago an attempt was made to form a Mount Rainier Chapter from the southern half of the Puget Sound Chapter. However, enthusiasm soon fizzled due to lack of leadership. It is my recommendation that in the coming year a stronger effort be made with continued supportive follow-up assuring a new chapter can be self-sustaining.

Early in the year it was determined that our budgeting process pointed out we were going to be in financial peril if measures weren't taken to either increase income or decrease expenses. It was felt that the services provided the Chapter should not be reduced nor should the local dues be increased.



The single area which stood out needing attention was the Chapter newsletter, the "Punch List". Taking advantage of new technology, laser printing and high quality photocopying in lieu of offset printing contributed a significant savings. Even greater savings were achieved by going to single color in lieu of 2-color printing.

Total savings, over \$4,000, therefore averting any dues increase while maintaining or actually increasing services.

The Education Committee continued to more than fulfill it's responsibilities by overseeing the award of two scholarships, fully funded by the membership and the Harry Such Memorial Fund. The Education Committee also sponsored professional development seminars, continuing education programs, secondary education and special guest speakers.

The Energy Committee continued to keep members informed of developments. Besides appearing at public hearings, writing technical letters, etc., some of the special activities included presentations on well insulated research houses, energy efficiency standards in mobile homes, organization, personnel and activities of the Washington State Energy Office and a seminar on indoor air quality.

Workshop and dinner program attendance was up this year primarily attributed to the topics selected by the Program Committee. Three of the meetings brought special interest by inviting societies with interest in our program including NEBB, Plant Engineers and SMACNA.

By the time this report is read the success of the CRC 89 Action Committee should be apparent. Two years of careful planning and preparation should make a pleasurable event for all those in attendance.

In all, it's been a good year with the various committees and Chapter as a whole. I believe our goal of continuing to educate and inform has been accomplished and I look forward the continuance in the future.

Sincerely,

  
Jay T. McCarthy  
President, Puget Sound Chapter

c: Steve Nicholes 1989/1990 Puget Sound Chapter President

# REGINA CHAPTER

ASHRAE - YEAR AT A GLANCE 1988-89

The first highlight of the year was our Professional Development Seminar. As Tim McGinn was the chairman, and transferred to Winnipeg, Brian Cowan stepped in to complete the task with great success. 44 people were registered. Most reports were favorable as to the educational content.

Throughout the year technical speakers did presentations at each meeting with the exception of December which is a social function.

Three members attended the Chicago Winter meetings. Bob England and Murdoch MacPherson were part of the cold weather building design committee and Bill Wright received an energy award.

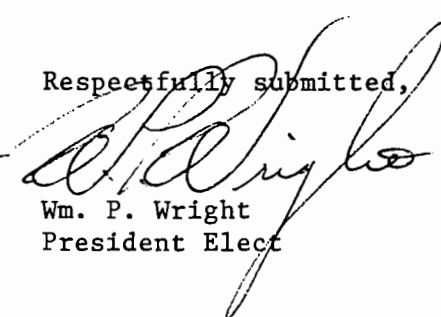
April 1 we hosted the John Ross Curling Tournament which was a little bit of a let down in that Saskatoon and Calgary did not show. The groups from Edmonton and Winnipeg provided for good fellowship. Gerry Boulanger skipped the Regina team to victory again, thus we will be hosting the tournament next year.

We are presently in possession of the CFC slide program which is shared between Saskatoon and Regina. This presentation has been in demand from technical schools.

We are looking forward to our May and June meetings. June brings our annual golf tournament which is our wind-up and highlight of the year.

The only short fall we are finding is in raising funds for ASHRAE research which can be mainly contributed to a tight economy.

Respectfully submitted,



Wm. P. Wright  
President Elect



PRESIDENTIAL MESSAGE  
ASHRAE - SASKATOON CHAPTER #102  
1888-89

The 1988-89 ASHRAE year has been a very successful year, thanks to the hard work and co-operation of our local membership, especially those on the Board of Governors.

The year began with a disruption in our executive, three of whom left Saskatoon to pursue career opportunities. However, we quickly rallied, and new members were easily found to fill the void.

The chapter roster was printed by our October meeting, and continues to be a valuable reference for our members.

Two larger seminars were held this past year, and one more is still in the planning stages for this summer/fall. The regular meeting technical sessions were well received, and well attended as usual.

Our "R" in ASHRAE program was strongly emphasized this year, and included two tech. sessions, a dinner speaker and a tour. One of the tech. sessions was held at a joint meeting with RSES, Mechanical Contractors Association, and university students. Many new member leads were developed as a result.

For the first time, a chapter member submitted an entry for the Energy Award, and received an honorable mention from the Region.

In co-ordination with the local University Engineering Library, we have begun the process of acquiring ASHRAE publications, video tapes and other technical information. This will serve as an educational resource for members and educational facilities.

Research promotion activities are well under way, and this year we expect to attract some new large corporate donations.

CRC action committee has been well prepared for the next regional CRC, which will be in Saskatoon. Members are already offering to assist in the efforts, as the last CRC held here is still fondly remembered.

Four new members were initiated this year, and our potential member list give indications of excellent membership growth for next year.

Financially, affairs have operated on budget, and the chapter should finish in good financial condition.

We wish the in-coming President Thompson, and his Board of Governors, all the success in the next year, and offer our continued support in chapter activities.

Ron R. Lefebvre    President Spring 1989  
Mike Marsh        President Fall 1988

PRESIDENT'S REPORT 1988-1989

Having hosted a very successful CRC last May, our chapter was able to take advantage of the interest and enthusiasm generated by this event to move into the current year.

Of primary importance to us was the early and thorough organization of committees, and the establishment of objectives and dates for the year. Our June and July board meetings were dedicated to this task and I feel this contributed greatly to the success we enjoyed throughout the year.

In our September newsletter I said, "our primary goal is to increase member participation at the chapter level by improving our dinner meeting location, increasing the quantity and quality of our technical and general interest speakers, and providing more educational opportunities for our members". Our new dinner meeting location brought better food, service and surroundings and, combined with a new meeting format, (technical talk before dinner, general interest speaker after) resulted in an average meeting attendance of well over 100! In addition, our chapter membership increased 20% from 172 to 206!.

Of course all of this was possible only because of the hard work and dedication of our officers and committees who's activities are detailed in their reports.

Some special achievements and highlights were:

- the establishment of a member "Speaker's Bureau" to give talks and interviews to outside groups and the media, and increase the profile of our organization.
- the production of a local Membership Brochure for promotion of the Chapter and Society.
- the establishment of an HVAC course and ASHRAE handbook library at the University of Calgary.
- the success of our fifth annual mini-tradeshow in support of research and scholarships.
- the completion and publication of our chapter's history by our charter president (excerpts of which are printed each month in our newsletter).
- the continued success of our social events (fishing derby, ladies night, ski weekend, curling bonspiel, and golf tournament).

While support from Society office was generally professional and effective, we experienced a great deal of difficulty and frustration with the monthly membership roster. We found the degree of misinformation to be unacceptable and have been assured there will be a great improvement in the near future.

Finally, we wish to thank Don Holte, our Director and Region XI Chairman, as well as our Regional Vice-Chairmen for their time, support and encouragement throughout the year. We sincerely appreciate their efforts.

Allan Thomas  
President  
Southern Alberta Chapter

## PRESIDENT'S REPORT - 1988/89

Our Chapter is now four years young and enjoys a splendid location in beautiful Victoria and Vancouver Island.

The 1988-89 goals for our Chapter fairly reflect the life style in such a pristine part of British Columbia and the Strategic Plan for ASHRAE.

Goal: "ASHRAE will broaden awareness of its technology and expertise in the business community, industry, legislative bodies and the general public".

Our membership, though small, has had an impact in the community to support this goal by applying their professional expertise through their work and in their daily contact with others.

The Vancouver Island Chapter has brought in experts to discuss indoor "Air Quality Control", the effects of CFCs on the environment and many other topics to improve the awareness of our members and to prepare them to be advocates for the high principals which ASHRAE stands for in the community. This is but the first step in a continuing journey to improve membership expertise in matters that affect all of us. As professionals given a special status in society and entrusted to share our knowledge with others, we must continue to grow and develop. ASHRAE's leadership assists our professional growth and gives us the credibility and credentials to work effectively in our community.

Keith Hawkins