

AMERICAN SOCIETY OF HEATING, REFRIGERATING
AND AIR-CONDITIONING ENGINEERS, INCORPORATED

MINUTES

CHAPTERS REGIONAL COMMITTEE CONFERENCE

REGION XI

May 8-10, 1980

Captain Cook Hotel, Anchorage, Alaska

The official minutes of Region XI 1980 CRC follows:

The first annual general meeting of Region XI of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. was held on May 8, 1980, at the Captain Cook Hotel, Adventure Room, Anchorage, Alaska. The meeting was called to order by Martin McDougall, ASHRAE Regional Chairman at 10:00 A.M.

Hugh D. McMillan, Jr., ASHRAE President, opened the meeting by expressing his appreciation at being present and offered a few words of encouragement to each chapter.

Richard P. Perry, ASHRAE Treasurer, spoke next. He explained that during the past year a new chapter was chartered in Scranton, Pennsylvania and another chapter in Pennsylvania was revoked due to lack of interest. There are now 26 student chapters (an increase of five over last year) and overseas membership has also increased. The ASHRAE headquarters will be moving from New York to the United Engineering Center in Atlanta, Georgia sometime during late 1981. The Board has moved to establish a branch office in Washington, D.C. to keep closer contact with legislative happenings. The Board will also implement a reorganization program during 1980-81. Mr. Perry also urged those who were planning to attend the general meeting in Denver this year to make their reservations as soon as possible.

Introductions were made next. The following delegates and alternates were present:

<u>DELEGATE:</u>	<u>ALTERNATE:</u>	<u>CHAPTER:</u>
Bob Peterson	Tom Spurlock	Alaska
Robert H. Angel	David M. Kohli	Inland Empire
R. T. Martin	J. D. Kern	British Columbia
Leslie F. Howard	T. E. Patteson	Manitoba
C. J. Small	Keith Stague	Northern Alberta
Gordon E. Klossner	David Ebsen	Oregon
Pete Botting	Richard Phalen	Puget Sound
Peter Hughes	Marv Hounjet	Regina
Jerry Boulanger	(Absent)	Saskatoon
A. M. Smith	H. Chorney	Southern Alberta

Also present were: Hugh D. McMillan, ASHRAE President; Martin McDougall, ASHRAE Regional Director; Richard P. Perry, ASHRAE Treasurer; and Steve Singleton, ASHRAE Membership Director. There were several visitors in attendance also.

Martin McDougall introduced Steve Singleton, ASHRAE Membership Director, who gave a few words.

Martin McDougall announced that a nomination would be needed for a secretary and it was moved and seconded that a secretary be nominated. The motion was unanimously carried. Approval of last year's CRC minutes was next; however, since this is the first year for Region XI to have a CRC meeting, there were no previous minutes to approve. There were also no agenda items for this year's CRC. Mr. McDougall next discussed monthly meeting reports and reminded everyone that the Presidential Excellence Award is based on these reports and it is imperative that they be turned in.

Reports were then given by the following Regional Vice-Chairmen of the respective committees:

R. T. Martin, Energy Management Committee
Donn R. Roberts, Education Committee
Bruce P. Menlove, Membership Committee
Wendell W. Wolfe, Research Promotion Committee

Herb Sage and Bob Manfull gave instructions on Saturday morning's caucus meeting and explained what work needed to be done, how the caucus would be conducted and which positions needed to be filled. They explained that Regional Award of Merit candidate nominations should be turned in so that decisions could be made and awards could be presented at Saturday's meeting.

At this point the meeting was adjourned at 11:00 A.M. and was resumed at 1:00 P.M.

The following chapter reports were presented:

Robert Peterson, Alaska Chapter
R. T. Martin, British Columbia Chapter
Robert Angel, Inland Empire
Leslie F. Howard, Manitoba
C. J. Small, Northern Alberta
Gordon E. Klossner, Oregon
Peter Hughes, Regina
Pete Botting, Puget Sound
Jerry Boulanger, Saskatoon
Henry Chorney, Southern Alberta

Next Martin McDougall encouraged all chapters to let him know if there are any problems that he could help with. He plans to crack-down a little harder on certain problem areas in order to help the local chapters. He welcomed any suggestions and stated that he would help in any way possible.

Puget Sound Chapter made the following motion and the motion was seconded.

- WHEREAS: the Society Board has expressed the desire that the Chapters become more visible in public affairs relating to energy and conservation matters.
- WHEREAS: the Society Board has expressed the desire that the Chapters participate in matters of construction code influences relating to energy conservation and building construction.
- WHEREAS: the Society Board has expressed the desire that we make a larger impact on the citizenry concerning acceptance of Society Standards and Guidelines relating to our technology.
- WHEREAS: the present structure of the Society is such that we are hindered in the execution of these desires due to restrictive IRS classifications of our Society due to ASHRAE Research Funding, and cannot participate in State Legislative lobbying because of this restriction.

THEREFORE: be it resolved that ASHRAE Research Funding be set aside as a separate Research Foundation under ASHRAE sponsorship and a reclassification be requested of the IRS, still as a non-profit corporation, but with lobbying rights similar to all other engineering organizations or societies.

This motion was unanimously carried.

Puget Sound Chapter made the following motion and the motion was seconded.

RESOLUTION:

Be it resolved that to better inform individual members that local Chapter dues are collected separately, that a statement be printed in bold lettering on the annual Society Dues Statement stating either: 1) HAVE YOU PAID YOUR LOCAL DUES YET?, or 2) THIS STATEMENT DOES NOT INCLUDE LOCAL CHAPTER DUES.

This would clarify the misunderstanding that a percentage of members have that their Society dues includes local chapter dues. Also, the adoption of this resolution would provide the local Chapters the ability to collect their dues simultaneously with the Society's.

There was discussion on the motion and the motion was withdrawn due to the fact that the Society Board had already passed this resolution. It was decided that an inquiry would be made into whether the Society Board had actually passed the resolution and when it would be implemented.

Puget Sound Chapter made the following motion and the motion was seconded.

WHEREAS: the Manual for Chapter Operations contains much information which is essential to the smooth functioning of the Chapter and eases the burden of office on the volunteer officers as well as assisting Headquarters in serving the Chapters.

WHEREAS: the material in the Manual for Chapter Operations requires periodic revision in order to remain current and useful.

WHEREAS: procedures to bring current copies of the Manuals up-to-date should insure that chapter officer's copies of the Manual can be maintained with the least practicable disruption to the individual holding the copy.

THEREFORE: let it be resolved that National Headquarters of ASHRAE investigate the possibility of periodically publishing a complete, up-dated version of the Manual for Chapter Operations with an appropriate number of copies to be distributed to each Chapter.

A substantial discussion followed as to the cost analysis of up-dating the entire manual and the feasibility of it. Several suggestions were made, the most receptive of which was to have one complete up-to-date set of the manual be sent to each Chapter on a regular basis. The motion was carried with two opposed.

NEW BUSINESS:

Peter Hughes from Regina Chapter mentioned that a local businessman was using the ASHRAE logo on his letterhead for his business. After discussion, Hugh McMillan suggested that the matter be handled at a local level first.

There was discussion on the annual John Ross Curling Tournament held in Canada. It was suggested by Regina Chapter that all Chapters be invited to join in the tournament. Since there was no interest shown on behalf of the American Chapters, it was decided that the Canadian Chapters would handle the question of the tournament at a later time.

Jerry Boulanger of Saskatoon Chapter suggested that an assessment be made on each Region XI Chapter member to help fund the CRC. A motion was made and seconded to this effect and discussion followed. Hugh McMillan stated that there could be a legal question of assessing members unless it were on a voluntary basis. The motion was defeated.

Puget Sound made the following motion and the motion was seconded.

WHEREAS: the cost of publications has increased greatly over the past several years incurring special membership dues burdens to the Chapters.

WHEREAS: in order to continue to provide publications of meaningful use to the Society with an ever-expanding membership.

THEREFORE: the Society should amend its Manual for Chapter Operations, Section 6.1, sub-paragraph F and Appendix M, regarding Guidelines for the Publications of Chapter Roster of Industry Manufacturers and their Representatives.

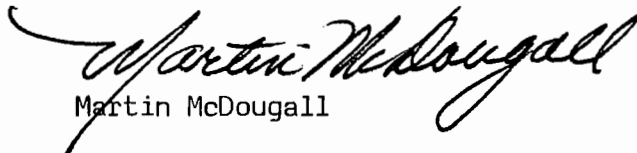
And that the Chapters be allowed to "Use business card advertising" as a means of subsidizing Chapter publications expenses similar to the use that the Society does on the Journal.

And that a disclaimer clause be printed on all Chapter publications that states "ASHRAE does not endorse any product, manufacturer, representative, contractor or engineer. This Roster is intended to be an instrument for better communication within the industry. Listings are not limited to ASHRAE members".

The motion was carried unanimously.

The meeting was adjourned at 4:00 P.M.

Respectfully submitted,



Martin McDougall

MM:ed

sa

6/19/80

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



Martin McDougall
Director & Regional Chairman XI

McDougall Control Company
P.O. Box 746
Bellevue, WA 98009
206/883-9000

UNITED ENGINEERING CENTER, 345 EAST 47th STREET
New York, N. Y. 10017 (212) 644-7953

Mr. Steve Singleton, Manager - Membership

ASHRAE REGION XI 1980 CHAPTERS REGIONAL CONFERENCE

CAPTAIN COOK HOTEL
Anchorage, Alaska
May 7, 8, 9, & 10, 1980

Welcome to the first Region XI C.R.C. The Alaska Chapter has prepared an excellent program and entertainment and we are holding it in a great hotel and facility. The Alaska Chapter should be congratulated for their success.

The purpose of the C.R.C. is to get the chapters together once a year and exchange ideas and make recommendations to the Board of Directors on any changes desired. Your presence is appreciated. Any input and suggestions on how we can run our Region more efficiently will be most welcomed.

Since the formation of Region XI, I have visited each chapter and traveled 25,360 air miles in the responsibility as Regional Chairman. I have learned a lot about Canada and what a great potential we have as Region XI in ASHRAE.

We are a great Region on its way to be the best in ASHRAE. A truly International Region, we can all learn from each other the next few days the who, what, why and how to be better. Inject your comments or complaints. This is the session where it all happens for the Region.

Thanks for coming and your support this past year. It really isn't over until June 30th, but it's never too late to make a last ditch try in an area you may wish better results. So let's wrap it up and say HOORAH or start planning now for next year. ASHRAE is the most viable Engineering Society today and Region XI is a vital part of its operation.

Best regards,

A handwritten signature in cursive script that reads "Marty".

Martin McDougall

MM:ed

AGENDA FOR DELEGATES AND ALTERNATES

1980 C.R.C., ANCHORAGE, ALASKA

THURSDAY, MAY 8, 1980

- ✓ 10:00 AM - Call to Order
- ✓ 10:05 AM - Welcome by Glen Hanson
- ✓ 10:10 AM - Introduction of officers and delegates
- ✓ 10:20 AM - Welcome by President Hugh D. McMillan, Jr.
- ✓ 10:35 AM - Selection of permanent Secretary
- 10:40 AM - Approval of previous meeting minutes
- 10:45 AM - Agenda items from previous C.R.C.
- 10:50 AM - Selection of 1982 City for C.R.C.
- ✓ 11:00 AM - Reports by Regional Vice Chairmen on Education, Energy Membership and Research Promotion
- ✓ 11:00 AM - Adjourn for lunch
- ✓ 1:00 PM - Chapter Reports - including information on scholarships, Chapter Publications, Programs, Memberships, Energy, Education and RP. Present resolutions in your report
- 4:30 PM - Adjourn for First Technical Session

SATURDAY, MAY 10, 1980

- 8:00 AM - Call to Order
- ✓ 8:15 AM - Instruction by Herb Sage and Bob Manfull on rules of caucus
- 12:00 PM - Adjournment

3/31/80

Region and Chapter	MEMBERSHIP GROWTH				MEETING ATTENDANCE				RES. FUND CONTRIB.		EDUCA. ACTIV.		ENERGY MGT		CIRC ATTND		TOTAL	
	Area Mbrs (1)	Grth Obs (2)	Appl. Recd YTD (3)	Dinq Mbrs (3)	Growth Factor f _g	Attd Obs (2)	Aver. Attd YTD	Attd Factor f _a	Recd YTD	AOE Pts	AOE Pts	AOE Pts	AOE Pts	AOE Pts	AOE Pts	AOE Pts	AOE Pts	YTD
REGION X																		
Gent. Ariz.	194	8	13.5	11	89.410	53	61	4.786	1440	176	263	-	-	-	-	NH	872	
Golden Gate	522	13	39.5	30	70.711	86	91	2.918	415	58	121	-	-	-	-	NH	663	
Hawaii	122	6	6.5	5	108.026	42	43	6.036	110	61	270	450	-	-	-	NH	1173	
N. Nevada	46	3	8.5	3	168.773	26	41	9.829	620	237	106	-	-	-	-	NH	1142	
Orange Empire	183	8	13.5	11	91.436	51	47	4.928	360	91	-	475	-	-	-	NH	943	
Sac. Val.	177	8	10.5	15	92.634	50	55	5.011	120	53	315	-	-	-	-	NH	644	
San Diego	158	7	24	11	96.933	48	53	5.304	755	141	-	50	-	-	-	NH	821	
San Joaquin	111	5	5	6	112.549	40	39	6.328	90	58	-	300	-	-	-	NH	605	
San Jose	163	7	19	7	95.719	48	X	5.222	40	32	-	300	-	-	-	NH	664	
So. Calif.	706	13	64.5	40	70.711	100	103	2.509	5263	176	268	-	-	-	-	NH	1052	
So. Nevada	75	4	2	7	134.231	33	35	7.698	1240	276	-	550	-	-	-	NH	1095	
Tucson	80	4	6	8	130.322	34	X	7.454	116	41	-	150	-	-	-	NH	356	
	2537	86							10330									
REGION XI																		
Alaska	92	5	8	15	122.326	36	20	6.950	310	118	-	425	-	-	-	NH	682	
British Col.	353	12	13	25	73.980	71	70	3.548	385	67	240	450	-	-	-	NH	1008	
Inland Emp.	84	4	5.5	8	127.458	35	20	7.274	195	98	-	600	-	-	-	NH	843	
Manitoba	136	6	6	7	103.140	44	46	5.717	1310	200	282	-	-	-	-	NH	745	
No. Alberta	208	9	19	14	87.109	55	47	4.623	289	76	-	100	-	-	-	NH	588	
Oregon	345	12	38	22	74.375	70	86	3.589	436	72	-	600	-	-	-	NH	1279	
Puget Sound	490	13	64.5	26	70.725	84	98	3.012	2643	150	315	600	-	-	-	NH	1799	
Regina	59	3	9	3	150.049	29	23	8.679	60	65	-	150	-	-	-	NH	783	
Saskatoon	59	3	6	3	150.049	29	17	8.679	40	53	-	-	-	-	-	NH	461	
So. Alberta	242	10	31	14	82.549	59	78	4.285	100	41	-	-	-	-	-	NH	715	
	2068	77							5766									

3552



CHAPTER ORGANIZATION

(Based on Michigan Chapter and Patterned after Society's Board of Directors Functions)

1. Each member of the Board of Governors has responsibility for performance of specific committees.
 - A. He reports on activity of his specific committees at each B of G meeting.
 - B. He is not the chairman of any of his specific committees.

2. Each year, the nominating committee's big job is to select nominees for the 1st year Member of the B of G.
 - A. Assumes all other B of G members can be advanced, otherwise, of course, the nominating committee selects candidates for vacant posts.
 - B. If 1st year Member of B of G does not perform adequately, he should be removed.
 - C. Looks over committee chairmen to find executive ability and willingness to serve.

3. Advantages
 - A. As a person goes "thru-the-chairs" he gains a thorough knowledge of chapter operation and finally, has had responsibility for every standing committee.
 - B. Gives non-officer members of B of G specific responsibility.
 - C. Spreads responsibility for committee performance instead of leaving responsibility for all of them on president and president-elect as is generally the case.
 - D. Committee chairmen do not necessarily need to attend B of G meetings, as their B of G member will report for the committee. (Of course, chairmen should be welcomed).
 - E. B of G members assess MBO performance for their specific committees and report on success to B of G.
 - F. President keeps an overview going without getting swamped in nitty-gritty.

COMMITTEE

BOARD OF GOVERNORS

Nominating & Election

Auditing

CRC Action

Special Events

Ad Hoc

Program

Chapter Regional

Energy Management

Mini-Seminar

Publicity

Reception

Finance

Membership

Research Promotion

Education

Legislative / Code

Attendance

Historical

Immediate Past President
Member B of G for 1 year

President

President-Elect

Vice-President

Secretary

Treasurer

3rd Year Member B of G

2nd Year Member B of G

1st Year Member B of G.

Person begins here to go "thru-the-chairs," thus, occupies each office and has responsibility for each committee. Ideally, he has been chairman of several committees and has demonstrated executive ability.

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



Andrew T. Boggs
Executive Vice President

(212)644-7940

April 14, 1980

UNITED ENGINEERING CENTER, 345 EAST 47th STREET
New York, N. Y. 10017 (212) 644-7953

Mr. Martin McDougall
McDougall Control Company
P. O. Box 746
Bellevue, WA 98009

Subject: QUALIFICATIONS OF CANDIDATES

Dear Mr. McDougall:

This is to remind you that candidates for certain offices and committee service do have restrictions which should be observed. These restrictions are found in the Rules of the Board and are as follows:

120-002-001 - Candidates for consideration as Officer or Director shall have obtained the grade of Member at least five years before the date of election.

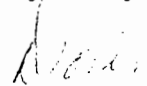
This means that any candidates your region selects for Director and Regional Chairman or any other Board position shall have been a Member since June 28, 1976 or before.

Candidates for Regional Vice Chairman (Education, Energy Management, Membership, or Research Promotion) are governed by a similar rule.

510-002-001(c) - Regional Vice Chairmen shall be Members of the Society in good standing; and shall have been Members for three years prior to the start of their terms.

Candidates that you will be putting up at this meeting will start their terms in June 1980, and therefore, should have been (full) Members in June of 1977.

Very truly yours,


Doris Flandorffer
Assistant to Mr. Boggs

DF:bb

cc: Professor Charles F. Sepsy, Mr. Robert G. Manfull

1979/1980 REPORT

SOUTHERN ALBERTA CHAPTER, ASHRAE
P.O. Box 5701, Station A
Calgary, Alberta T2H 1Y2

President	A. M. Smith	Secretary	J. F. Rea
Delegate	H. M. Chorney	Treasurer	H. T. Andersen
Alternate	M. J. Verbisky	Board	R. A. Brautigam R. Hauser W. A. Hunka C. K. Trodd

Prepared by: A. M. Smith

HIGHLIGHTS

The second year of the three-year evening course in HVAC was successfully completed with Peter Munt, a Chapter member assisting in presentation of the course at the Southern Alberta Institute of Technology (SAIT).

Several Chapter members assisted SAIT by being members of the Advisory Committee to the Institute President for the Air Conditioning Engineering Technology program.

Membership Committee activities were successful this year and were headed by a new chairman, G. A. Hossack, who added his salesman's exposure to industry members to organizational ability of the past chairman.

Research Committee activities are in the wind up of their campaign and doing well.

PROBLEMS

Energy Committee activities were limited this year. While Society's concentration on American energy programs and the lack of energy concerns in Alberta contributed to the problem, the main cause was lack of enthusiasm at the Chapter and Committee level.

Public Relations efforts were not effective and it is anticipated that an extended period of hard work is necessary to achieve the desired results.

MONTHLY PROGRAMS

October	1979	A talk on "Energy Conserving Features of Gulf Canada Square, The World's Most Energy Efficient Building."
November	1979	A talk by a Chapter member on "Mechanical Insulation--Energy & Dollars."
January	1980	A talk on "Applications of Trane Centrifugal Compressors for Heat Recovery Operation."
February	1980	A talk on "Commercial & Industrial Energy Conservation Program" by representatives of the Provincial Energy & Industrial Development Branch.
March	1980	A talk on "Economics of Medium Temperature Thermal Storage."
April	1980	A talk on "Fire Safety & Health Standards" as related to building mechanical systems.

FINANCIAL POSITION AS AT MAY 5, 1980

Bank balance		\$ 497.80	
Term Deposits		<u>4623.21</u>	<u>\$ 5121.01</u>
Prepaid Meal Plan		\$ 60.00	
Meal Costs:	Member	\$ 9.00	
	Non-member	10.00	
	Student	6.00	
Membership Dues		\$ 15.00	

SOCIAL EVENTS

Our Chapter social events were as usual very successful. Ladies' Night held in November was the highlight with more than 200 attending.

Respectfully submitted



A. M. Smith

A S H R A E

MINIMAL STANDARD CHAPTER CRC REPORT FORM

REPORT TO REGION II CRC CONFERENCE CHAPTER NORTHERN ALBERTA NO. _____

Date April 22, 1980 City Edmonton, Province Alberta Society Year 1979 1980

<u>MEMBERSHIP</u>	July 1 _____	Current	PAE Points
Assigned Members	_____	226	to date _____
Student Members	_____	109	
Chapter Members	_____	117	or
New Members to Date	_____	_____	
Members Delinquent to Date	_____	_____	as of previous
Number of Upgrades	_____	_____	June 30 _____
Date of Membership Night	_____	_____	
Guest Attendance	_____	60	

<u>EDUCATION</u>			PAE Points
Student Night? <u>Nov/21/79</u>	Student Attendance	20	to date _____
Scholarships? <u>n/a</u>	Dollar Value	_____	or
Grants in Aid? <u>n/a</u>	Dollar Value	_____	as of previous
Special Activities (describe) <u>two awards are given for design projects.</u>			June 30 _____
<u>One award is for the Northern Alberta Institute of Technology which is a</u>			
<u>technical college. Award is for graduating class in the Refrigeration</u>			
<u>Technology Discipline. The other award is given to students in their last</u>			
<u>year at the University of Alberta. This award is for design related to</u>			
<u>HVAC Systems. Awards are plaques.</u>			

<u>RESEARCH FUND RAISING</u>	Last Year	This Year	PAE Points
Quota	_____	5,100	to date _____
Number of Contributions	_____	1,500	or
Dollar Value	_____	_____	as of previous
Dollars per Member	_____	_____	June 30 _____
Special Activities or Comments	_____		

<u>ATTENDANCE & PROGRAMS*</u>	Last Year	This Year	PAE Points
Number of Technical Programs	_____	7	to date _____
Total Number of Meetings	_____	_____	or
Average Meeting Attendance	_____	50	as of previous
Number of Pre-Dinner Sessions	_____	0	June 30 _____
Best Program	_____	<u>Apr/16/80,</u>	
		<u>Solar Energy</u>	
Comments on Programs, speaker lists, etc.	_____		

* Excluding social functions

ENERGY MANAGEMENT

Legislative Liason
Liason with Other Societies
Joint Action Programs

An enclosed report by the Chairman of the Energy Management Committee is enclosed. In addition to the items indicated in this report, one member of the Committee, Lowell Stewart, is on the Committee presently preparing an energy code for buildings in Canada. Mr. Stewart is also involved in the Canadian Research Building Committee which reports to the Federal Government.

FINANCES

	Last Year	This Year
Reserve Funds	_____	2810
Current Balance	_____	2000
Membership Fee	_____	20
Member Cost of Meals	_____	10
Guest Cost of Meals	_____	10
Cash Bar?	_____	yes
Package Plan? Details	45.00 all include	

Describe _____

Special Projects or Programs Funded? Solar Events Describe _____

SOCIAL EVENTS AND SEMINARS OF ENERGY MANAGEMENT COMMITTEE

SOCIAL FUNCTIONS

The Northern Alberta Chapter undertakes four social functions of the year, a fall barbeque, a curling bonspiel, a ladies night in the spring, and a summer golf tournament. Functions are well received. Functions generally operate on a break even budget. This year the overall anticipated loss for social functions will be approximately \$100.

CRC ACTON COMMITTEE PROPOSALS

As the Northern Alberta Chapter is hosting the next CRC, 1981, the Chairman of the CRC is attending the 1980 CRC in Anchorage to gain first hand experience in the management of a CRC.

CHAPTER PROBLEMS

The difficulty with the Northern Alberta Chapter is getting people to serve on the Board of Governors. We believe it is due to the buoyant economy which requires that many people commit a large portion of their time to their business activities.

CHAPTER INNOVATIONS & SUGGESTIONS

The main thrust of the activities of the Northern Alberta Chapter have been in the area of Energy Management. Contact has been made with many related societies and institutions. For detailed explanation of this see the enclosed report.

SIGNED: _____


Chapter President

Attachments:

1. Best Newsletter of the Year
2. Energy Management Committee Report
3. Chapter Information Questionnaire - will be forwarded immediately upon finalization of officers.

OREGON CHAPTER
THE
AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
ANNUAL CHAPTER REPORT TO REGION XI
CHAPTER'S REGIONAL CONFERENCE

DELEGATE: GORDON E. KLOSSNER MAY 7 - 10, 1980
ALTERNATE: DAVID EBSEN ANCHORAGE, ALASKA

A. MEMBERSHIP

	4-1-79	4-1-80
SOCIETY AREA MEMBERS	368	407
STUDENT MEMBERS	2	30
CHAPTER MEMBERS	325	345
NEW MEMBERS	26	26
MEMBERS DELINQUENT	14	33
NUMBER OF UPGRADES	0	8

- MEMBERSHIP COMMITTEE WORKS BETWEEN THE CHAPTER RECORDS, HELD BY THE TREASURER, AND THE SOCIETY RECORDS, OF WHICH COMMITTEE NOW RECEIVES DUPLICATE COPIES.
- CONTACT OF PROSPECTIVE MEMBERS IS ON-GOING THROUGHOUT CHAPTER YEARS. SOURCES ARE: GUESTS AT MEETINGS, MEMBERS, NEW SOCIETY MEMBERS AND TRANSFERS IN. NEW PROSPECTS IMMEDIATELY RECEIVE A LETTER ENCLOSING A PACKET OF DATA AND APPLICATION FORMS.

B. MEETINGS

- 9 REGULAR CHAPTER MEETINGS
- THE LISTENING POST HELD PRIOR TO EACH REGULAR MEETING
- 1 GOLF-PICNIC EVENT
- 12 BOARD OF GOVERNORS MEETINGS

C. ATTENDANCE

78 AVERAGE ATTENDANCE OF MEMBERS AND GUESTS FOR 9 REGULAR CHAPTER MEETINGS. THIS INCLUDES MAY 1979 MEETING.

D. DUES

CHAPTER DUES ARE \$12.00 PER YEAR. DUES ARE PRORATED AFTER JANUARY 1ST TO \$6.00. CHAPTER DINNER MEETINGS INCREASED TO \$7.00.

E. BUDGET

INCOME	\$ 4485.91
EXPENSES	3286.34

F. FINANCIAL STATUS

	4-7-80
CHECKING BALANCE	\$ 149.28
SAVINGS BALANCE	3286.34
ACTUAL INCOME	4485.91
ACTUAL EXPENSE	3969.38
SURPLUS	\$ 516.53
OTHER ASSETS:	61.10 POSTAGE ACCT. BALANCE

NOTE: THE PRICE OF MEALS IS CHARGED AT THE DOOR. PAYMENT TO THE RESTAURANT IS THE SAME EVENING. ANY SURPLUS IS ADDED TO THE TREASURY.

G. PROGRAMS

OREGON CHAPTER ASHRAE
1979-1980 MEETINGS SUMMARY
APRIL 4, 1980

DATE	ATTENDANCE	TOPIC	SPEAKER	RATING*
APR 17, 1979	45	WATER TREATMENT PROBLEMS & CURES	GENE INSKEEP CH2O INC.	B
APR 13, 1979	99	VALUE OF VAPOR BARRIERS FOR INSULATED SURFACES	GEORGE TSONGAS P.S.U.	A
MAY 11, 1979	101	PORT OF PORTLAND DRYDOCK #4 (FIELD TRIP)	BILL SIGGELKOW PORT OF PORTLAND	A
MAY 15, 1979	80	ECONOMIC FORECAST FOR OREGON IN 1980	CHARLES SAUVIE PGE	B
JUN 13, 1979	72	GEOHERMAL PROSPECTS IN THE NORTHWEST (JOINT MEETING WITH ASPE)	JOHN AUSTIN CH2M/HILL	A
JUN 10, 1980	0	MEETING CANCELLED BECAUSE OF INCLEMENT WEATHER		-
JUL 10, 1980	76	COMMUNICATIONS BETWEEN MEN AND WOMEN	BEN PADROM P.S.U.	A
AUG 13, 1980	76	BACKYARD ALTERNATIVE ENERGY	KIRBY BRUMFIELD PGE	A
SEP 10, 1980	--	SOLAR ENERGY AND IT'S COMMERCIAL APPLICATIONS	LANE ADAMS AND CONRAD GOHLINGHORST COPPER DEVELOPMENT ASSOC.	A

AVERAGE ATTENDANCE MAY THROUGH MARCH = 78

* RATING: A = EXCELLENT
B = GOOD

H. SPECIAL EVENTS

- ASHRAE PICNIC WITH GOLF AND TENNIS TOURNAMENT AUGUST 3, 1979.
- SWEETHEARTS DINNER MEETING, FEBRUARY 14, 1980. SPECIAL SPEAKER: BEN PADROM. "COMMUNICATIONS BETWEEN MEN AND WOMEN".

I. PUBLICATIONS

- OREGON CHAPTER PUBLISHED TEN ISSUES OF THE OREGON DIFFUSER. COPIES WERE SENT TO PRESIDENT AND PUBLICATION EDITOR OF ALL CHAPTERS IN REGION XI.
- ROSTER OF MEMBERS PUBLISHED AND DISTRIBUTED TO ALL MEMBERS. INCLUDED ARE MEMBER'S BUSINESS AFFILIATION, OFFICERS, MEETING DATES, COMMITTEES, AND PAST PRESIDENTS.

J. RESEARCH PROMOTION

CHAIRMAN AND COMMITTEE PLAN PROMOTIONAL CAMPAIGN BEGINNING IN JANUARY. MEMBERS AND MEMBERS FIRMS ARE CONTACTED BY MAIL AND PERSONAL CALLS.
GOAL: \$6,000.00. AS OF EARLY APRIL. CONTRIBUTIONS TOTAL: \$1,000.00. OR 17% OF GOAL.

K. EDUCATION COMMITTEE

- ASSISTED OTHER SOCIETIES IN OBTAINING CHAPTER MEMBER HOSTS FOR THE NATIONAL ENGINEER'S WEEK STUDENT BANQUET.
- CONTINUED RELATIONS WITH OREGON STATE UNIVERSITY AND ESTABLISHED NEW RELATIONS WITH THE UNIVERSITY OF PORTLAND. THE UNIVERSITY OF PORTLAND THIS LAST YEAR REINSTATED THEIR HVAC COURSE AND IS EXPRESSING GREAT INTEREST IN ASHRAE.
- WORKED IN CONJUNCTION WITH THE MEMBERSHIP COMMITTEE TO ENCOURAGE NEW STUDENT MEMBERS.

L. ENERGY MANAGEMENT COMMITTEE

- EARNED MAXIMUM (600) POINTS FOR PRESIDENTS AWARD OF EXCELLENCE.
- CREATED A VERY ACTIVE COMMITTEE OF 19 MEMBERS BROKEN UP INTO 8 SUB-COMMITTEES.
- CREATED AN ACTIVE SPEAKERS BUREAU.
- CONDUCTED MONTHLY MEETINGS FOR BUILDING ENGINEERS FOR THE PURPOSE OF SHARING ENERGY MANAGEMENT IDEAS.
- SET UP A PROGRAM OF MONTHLY MEETINGS FOR SOLAR DESIGNERS FOR THE PURPOSE OF SHARING INFORMATION.
- PROVIDED CONSIDERABLE INPUT ON THE STATE ENERGY CODE.
- ESTABLISHED AN EXCELLENT WORKING RELATIONSHIP WITH THE STATE DEPARTMENT OF ENERGY.
- PROVIDED CONSIDERABLE INPUT ON THE "PORTLAND ENERGY POLICY" AND PLACED 13 ASHRAE MEMBERS ON THE FIVE BOARDS CREATED TO IMPLEMENT THE POLICY.
- CREATED A COMMITTEE TO EVALUATE AND GIVE WRITTEN AS WELL AS VERBAL COMMENT ON BEPS.
- CREATED AND ADMINISTERED AN "ENERGY AWARD" PROGRAM TO RECOGNIZE OUTSTANDING WORK BY ASHRAE MEMBERS.
- CONDUCTED SEVERAL SEMINARS ON HOW TO COMPLY WITH EBTR.
- PLACED AN ASHRAE MEMBER ON THE STATE DEPARTMENT OF ENERGY'S TECHNICAL ADVISORY BOARD FOR THE "SCHOOLS AND HOSPITALS PROGRAM".
- COORDINATED A DISPLAY OF ENERGY ALTERNATIVES IN THE MAIN LOBBY OF A MAJOR DOWNTOWN BANK BUILDING. THE ASHRAE SLIDE PRESENTATION ON RESIDENTIAL ENERGY CONSERVATION WAS PRESENTED SEVERAL TIMES PER DAY FOR A TWO WEEK PERIOD.

M. COMMON INTEREST ITEMS

- A CHAPTER LIABILITY COMMITTEE WAS FORMED TO INVESTIGATE THE ADVISABILITY OF INCORPORATING OR INSURING. THE CHAPTER NOW HAS A \$500,000 LIABILITY POLICY.
- A COMMITTEE WAS FORMED TO GENERATE A "REGION XI CHAPTERS PUBLICATION AWARD OF EXCELLENCE". THE DETAILS WILL BE ANNOUNCED AT THE MAY 1980 CRC.
- A HVAC ENGINEERING PRACTICES COMMITTEE WAS FORMED TO REVIEW THE REQUIREMENTS FOR PROFESSIONAL REGISTRATION FOR HEATING, VENTILATING AND AIR CONDITIONING DESIGN STATE BOARD OF ENGINEERING EXAMINERS.

REGINA CHAPTER - ASHRAE
REPORT TO CRC - REGION XI, ANCHORAGE, ALASKA

The 1979-80 year for the Regina Chapter has been quite successful to date. Since September we have had above average speakers at our monthly Chapter meetings. Unfortunately despite the broad scope of those speakers, attendance at Chapter meetings was not particularly good. This is one aspect of the Regina operation that will be addressed with a view to making sure that all Chapter members are more fully aware and informed of monthly programs far enough in advance that conflicts with other engagements can be reduced.

With regards to the various officer responsibilities:

Secretary: For various reasons, this has not been the best year for this chair. The person responsible had a very busy year in his own organization consequently his Chapter responsibilities were not carried out in a satisfactory manner, resulting in haphazard distribution of Meeting Minutes to both local directors and to ASHRAE, New York. It is our belief that all missing minutes of meetings have now been forwarded.

Treasurer: Chapter operations have been self sustaining for the most part and the Chapter does not foresee any problems in meeting its financial obligations.

Energy: After a slow start to the year, the Energy Committee, organized an extremely successful Energy Management Conference in co-operation with, and co-sponsored by, the local utility company, Saskatchewan Power Corporation.

The conference was a two (2) day affair, held on March 17 & 18, 1980 and was attended by 55 building owners, operators and managers. The conference was very well received by all attendees. Due to its success, another conference is planned for late September which, it is hoped, will be bigger and better.

Education: As in past years, the Regina Chapter awarded a \$250.00 bursary to an engineering student at the University of Saskatchewan in Saskatoon. This award is under review by the Chapter with regard to making it more of a competitive nature.

ASHRAE Research: This is the first year in many that the research promotion committee has actually been comprised of more than one or two people. In recent years the past president has assumed the entire workload for conducting the campaign in his capacity as chairman of the committee. This year we have a chairman, six past presidents, and two contractors making up the committee.

Our goal for this year is \$2,000.00. We have contacted by mail 50 firms or organizations requesting a total in excess of \$4,500.00. Our direct follow up will be done during the weeks of April 28 to May 9 and we will hopefully have concluded the entire campaign by the middle of May.

We have been fortunate this year in that we are to receive one half of the profit resulting from an energy conservation seminar hosted by Saskatchewan Power Corporation and our own energy conservation committee headed by Bob England. This profit should be in the neighbourhood of \$1,500.00 with half that going to research.

The only disappointing aspect of the campaign thus far is that we were unable to meet as a committee for the purpose of expanding our prospect list. However, despite this one drawback we are confident that we will meet our goal, and with any luck, will exceed it by a considerable margin.

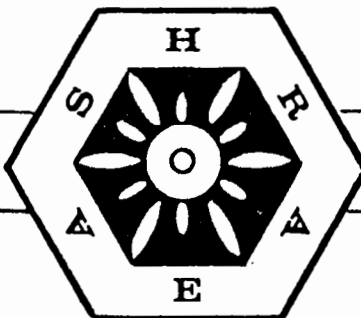
Membership: The past year has been reasonably successful in terms of new memberships. There has also been a resurgence of interest by national members at the local Chapter level, due mainly to the above average speakers at the monthly meetings. One area that concerns us, is the Student membership. The University of Regina does not have a four year Mechanical Engineering program and those students pursuing a degree in this discipline after two years in Regina must transfer for years three and four to the University of Saskatchewan in Saskatoon. This entails moving from Regina and living in the Saskatoon area. Consequently, we lose touch with the Student Members for their last two years of their education, but find that due to the address on the initial application, they are still considered to be seconded to the Regina Chapter. We think

this is an untenable situation and would appreciate information and assistance in formulating a method by which the student, chapter and ASHRAE in general can benefit to the maximum extent. In reviewing the student membership for both the Regina and Saskatoon Chapters, it numbers 68. Would there be any merit in forming a University of Saskatchewan Chapter?

Respectfully submitted,

Allan J. Thomson,
President - Regina Chapter

GAS



BYPASS

**ALASKA
CHAPTER**

VOLUME 2, NO. 5

HOT

MEETING NOTICE

DATE: FEBRUARY 20, 1980

TIME: 6:00 - 7:00, NO HOST COCKTAILS
7:00 - 8:00, DINNER
8:00 - ?, MEETING

PLACE: CAPTAIN COOK

SPEAKER: MR. TOM JUDSON OF THE PEABODY-GORDON PIATT COMPANY.

TOM HAS BEEN WITH HIS COMPANY IN WINFIELD, KANSAS FOR OVER TWENTY YEARS. TOM IS THE NATIONAL MANAGER FOR THEIR "HEATMIZER" - A SYSTEM FOR STACK HEAT RECOVERY ON LARGER BOILERS. TOM WILL BE SHOWING SLIDES OF EXISTING INSTALLATIONS AND DESCRIBING HOW THIS SYSTEM FUNCTIONS.

FOR RESERVATIONS CALL GLEN HANSON AT 277-3543.

SEMINAR:

ON FEBRUARY 22, 1980, AT 8:15 A.M., A TWO HOUR SEMINAR CONCERNING GAS, OIL, AND GAS-OIL COMBINATION BURNERS BY MR. TOM JUDSON, ENGINEERING MANAGER FOR PEABODY-GORDON PIATT WILL BE HELD.

THE FOLLOWING SUBJECTS WILL BE PRESENTED:

1. BURNER BASICS
2. FLAME SAFETY CONTROLS
3. INSTRUMENTATION
4. CONTROLLING LEAD-LAG BURNERS FOR EFFICIENCY
5. COMBUSTION EFFICIENCY AND HOW IT IS ACHIEVED
6. OIL PUMP SYSTEMS AND THEIR USES

THIS SEMINAR IS SPONSORED LOCALLY BY PROCTOR SALES. PLEASE NOTIFY BOB PETERSON AT 276-4925 IF YOU WILL BE ABLE TO ATTEND.

OFFICERS

PRESIDENT: GLEN HANSON
VICE PRES: BOB PETERSON
SECRETARY: CHRIS LINFORD
TREASURER: TOM SPURLOCK

COMMITTEE CHAIRMEN

EDUCATION: TOM SPURLOCK
ENERGY: TERRY TEREBOSSY
RESEARCH PROMOTION:
LARRY KAMPEN & BOB PETERSON
PROGRAM: BOB PETERSON
MEMBERSHIP: CHRIS LINFORD
PUBLICITY: BILL DEMMING
HISTORIAN: JIM SHELDON

BOARD OF GOVERNORS

LARRY BREEDING - HONORARY
VERN WINTER - P. PRESIDENT
BILL ELAM - P. PRESIDENT
TERRY TEREBOSSY
GLEN HANSON - PRESIDENT
BOB PETERSON - V. PRESIDENT

REPRESENTATIVES

BOB PETERSON
CHRIS LINFORD

MEETING DATES 1979-1980

FOLLOWING ARE LOCAL
CHAPTER MEETING DATES
FOR THIS PROGRAM YEAR:

AUG. 22 SPECIAL MEETING-
ENERGY SEMINAR

SEPT. 26
OCT. 24
NOV. 28
DEC.??DATE PENDING
JAN 23
FEB. 20
MAR. 26
APRIL 23

MAY 7,8 & 9 CRC-
ANCHORAGE @ CAPTAIN
COOK HOTEL

JUNE 26

ASHRAE HOT GAS BYPASS

EDITOR: WILLIAM P. DEMMING
276-3642.

ANY AND ALL COMMENTS
CONCERNING YOUR NEWSLETTER
ARE GREATLY APPRECIATED.
PLEASE NOTIFY ME AT THE
ABOVE NUMBER.

ASHRAE

THE AMERICAN SOCIETY
OF HEATING, REFRIGERATING
& AIR CONDITIONING
ENGINEERS, INC. KNOWN
POPULARLY TO ITS MEMBERS
AS ASHRAE, IS THE ONE &
ONLY PROFESSIONAL &
TECHNICAL SOCIETY DEVOTED
EXCLUSIVELY TO PROMOTING
THE ARTS & SCIENCES OF
HEATING, REFRIGERATING,
AIR CONDITIONING,
VENTILATION & ALLIED
TECHNOLOGIES.

SINCE 1894, IT HAS GROWN
TO MORE THAN 30,000
MEMBERS. ITS MEMBERSHIP
IS COMPOSED OF PEOPLE
FROM THE UNITED STATES,
CANADA AND 89 OVERSEAS
COUNTRIES WHO SHARE A
COMMON INTEREST IN THE
MANY ASPECTS OF HUMAN
COMFORT & ENVIRONMENT
CONTROL.

MEMBERSHIP

MEMBERSHIP APPLICATIONS
FOR ASHRAE ARE AVAILABLE
FROM YOUR SECRETARY,
MR. CHRIS LINFORD,
277-5605.

WILLIAM P. DEMMING
c/o SKOGLUND COMPANY, INC.
P. O. BOX 4-2729
ANCHORAGE, ALASKA 99509

LAST MONTH'S MINUTES:

JANUARY, 1980'S MEETING WAS HELD AT THE TRAVELODGE; PRESIDENT GLEN HANSON PRESIDING.

THE CRC 1980 WAS DISCUSSED AND A MEETING SCHEDULED FOR FEBRUARY 1ST FOR ALL COMMITTEE CHAIRMEN TO MEET AT HENRI HAWAII AND DISCUSS THE PROMO LETTER TO BE SENT TO ALL REGION XI CHAPTERS.

NO OLD BUSINESS, NO NEW BUSINESS.

MEETING ADJOURNED AT 7:30.

MEMBERS REGROUPED AT THE FEDERAL BUILDING FOR A TOUR OF THE BUILDING. MR. BILL ELAM, PAST PRESIDENT GAVE AN EXCELLENT TOUR OF THE FEDERAL BUILDING. THE HEATING, COOLING AND COMPUTERIZED CONTROL SYSTEM WAS DEMONSTRATED. NOW WE KNOW HOW OUR TAX DOLLARS ARE SPENT!

THANK YOU, BILL.

CRC 1980:

COMMITTEE MEMBERS MET AT HENRI HAWAII FEBRUARY 1ST AND DISCUSSED THE UPCOMING CRC EVENTS. TECHNICAL SESSION, BANQUET, PROMO LETTER AND COSTS WERE DISCUSSED. THE PROMO LETTER WAS SENT OUT THE WEEK OF FEBRUARY 4TH TO ALL REGION XI MEMBERS. ALL COMMITTEE CHAIRMEN SHOULD HAVE THEIR COMMITTEE MEMBERS SELECTED AND TOTAL ESTIMATED COSTS OF THEIR WORK COMPLETE BY THE END OF FEBRUARY.

UPCOMING PROGRAM:

MR. BOB PETERSON, VICE PRESIDENT AND PROGRAM CHAIRMAN HAS COMPLETED THE PROGRAM ARRANGEMENTS FOR MARCH AND APRIL.

MARCH 19: MR. BERNIE POMOSKI OF MCQUAY-PREFEX CO. WILL SPEAK ON AIR HANDLING.

APRIL 16: MR. JERRY BRASCH OF BRASCH MANUFACTURING CO. WILL DISCUSS ELECTRIC DUCT HEATERS.

REGION II

ASHRAE

MINIMAL STANDARD CHAPTER CRC REPORT FORM

REPORT TO REGION II CRC CONFERENCE CHAPTER SOUTHERN ALTA. NUMBER _____

Date _____, 19____ City CALGARY, ALTA. State _____ SOCIETY YEAR 1979-1980

MEMBERSHIP

	July 1 <u>79</u>	Current	PAE Points to Date
Assigned Members	<u>200</u>	<u>242</u>	<u>340</u>
Student Members	<u>-</u>	<u>53</u>	
Chapter Members	<u>-</u>	<u>150</u>	
New Members to Date		<u>31</u>	
Members Delinquent to Date		<u>13</u>	
Number of Upgrades		<u>-</u>	
Date of Membership Night		<u>-</u>	
Guest Attendance		<u>10/MTG.</u>	

EDUCATION

		PAE Points to Date
Name(s) of Student Branch	<u>-</u>	<u>230</u>
Student Night?	<u>-</u> Student Attendance _____	
Scholarships?	<u>2</u> Dollar Value <u>300</u>	
Grants in Aid?	<u>-</u> Dollar Value <u>-</u>	
Special Activities (describe)	_____	

RESEARCH FUND RAISING

	Last Year	This Year	PAE Points to Date
Quota	<u>3200</u>	<u>5000</u>	<u>300</u>
Number of Contributions	<u>37</u>	_____	
Dollar Value	<u>3180</u>	_____	
Dollars per Member	_____	_____	
Special Activities or Comments	<u>AMOUNT RAISED TO MAY 5/80 - \$2700</u>		

ATTENDANCE & PROGRAMS*

	Last Year	This Year	PAE Points to Date
Number of Technical Programs	_____	<u>6</u>	<u>340</u>
Total Number of Meetings	_____	<u>7 TO DATE</u>	
Average Meeting Attendance	_____	<u>79</u>	
Number of Pre-Dinner Sessions	_____	<u>0</u>	
Best Program	_____	<u>-</u>	
Comments on programs, speaker lists, etc.	_____		

*Excluding social functions.

ENERGY MANAGEMENT

	PAE Points to Date
Legislative Liaison	<u>-</u>
Liaison With Other Societies	<u>-</u>
Joint Action Programs	<u>-</u>
Energy Seminars	<u>-</u>
Energy Press Articles	<u>-</u>
Energy Talks	<u>4</u>
Energy Award Program	<u>-</u>

4 BY ASHRAE CHAPTER MEMBERS

FINANCES

	Last Year	This Year
Reserve Funds	3,377.46	4623.21
Current Balance	494.22	497.80
Membership Fee	57.00	15.00
Member Cost of Meals	8.00	9.00
Guest Cost of Meals	10.00	10.00
Cash Bar?	1.00	1.00
Package Plan?- Details	60.00 FOR MEMBERSHIP & ALL MEALS	
Other Sources of Income?	NONE	Describe -

Special Projects or Programs Funded? NONE Describe

SOCIAL FUNCTIONS:

(List and comment briefly)

GUN SHOOT SUCCESSFUL GOLF TO BE HELD IN JUNE
 FISHING TRIP " 2 FISH
 LADIES NIGHT "
 DEI WEEKEND "
 CURLING "

CRC ACTION COMMITTEE PROPOSALS:

NONE

CHAPTER PROBLEMS:

ENERGY COMMITTEE FINDING USEFUL ACTIVITY
 P.R. COMMITTEE GETTING RESULTS

CHAPTER INNOVATIONS & SUGGESTIONS:

SIGNED:

A. M. Smith

Chapter President

- Attachments:
- 1.) Best Newsletter of the Year
 - 2.) Special Seminar Program
 - 3.) Chapter Information Questionnaire
 - 4.) Copy of Chapter Roster (Optional)
 - 5.) Product Directory (if published)

Alaska
 Pres: Glen Hanson, C/O Trane Co., 601 West 41st, Anchorage, AK 99503
 Secy: Chris Linford, C/O Crews, MacInnes, Hoffman, 4111 Minnesota Drive, Anchorage, AK 99503
 Del: Bob Peterson
 Alt: Chris Linford (see above)

British Columbia

Pres: G. H. Pinch, 3919 West 22nd Ave., Vancouver, B.C. V6S 1J9
 Secy: W. G. Euverman, C/O Embassy Sales Ltd, 133 East Kent Ave., Vancouver, B.C. V5X 2X5
 Del: R. T. Martin, B.C. Hydro & Power Authority, 970 Burrard St., Vancouver, B.C. V6Z 1Y3
 Alt: J. D. Kern, 1518 West 3rd Ave., Vancouver, B.C. V6J 1J7

Inland Empire

Pres: Robert H. Angel, W-1835 Broadway, Spokane, WA 99201
 Secy: Fred L. Aasheim, N 1110 Washington, Spokane, WA 99201
 Del: Robert H. Angel (see above)
 Alt: David M. Kohli, 312 Borah Ave., Coeur D'Alene, ID

Manitoba

Pres: Leslie F. Howard, C/O Mark Hot Inc., 1129 Empress St., Winnipeg, Man. R3E 3H1
 Secy: A. McKenzie, 359 Pandora West, Winnipeg, Man. R3C 1M6
 Del: Leslie F. Howard (see above)
 Alt: T. E. Patteson, 1700 Portage Ave., Winnipeg, Man. R3J OE1

Northern Alberta

Pres: R. L. Thorpe, Trane Co. of Canada, Ltd., 14956 121 A Avenue, Edmonton, Alta. T5V 1A3
 S : C. J. Small, Indust. Process Heat Engr. Ltd., 9733 - 42nd Ave., Edmonton, Alta. T6E 5P8
 Del: R. D. Wright, Cheriton & Associates Ltd., 10509 - 81 Avenue, Edmont Alta. T6E 1X7
 Alt: C. J. Small (see above)

Oregon

Pres: Gordon E. Klossner, 2906 N.E. Glisan, Portland, OR 97232
 Secy: Rodger G. Bekooy, 2950 S. E. Stark, Portland, OR 97214
 Del: Gordon E. Klossner (see above)
 Alt: David Ebsen, 3610 S. W. Pasadena, Portland, OR 97219

Puget Sound

Pres: Lanny Wuerch, 19419 - 72 Pl. W., Lynnwood, WA 98036
 Secy: Dick Phalen, P.O. Box 788, Bellevue, WA 98009
 Del: Pete Botting, Botting Mechanical Contractors, P.O. Box 33706, Seattle, WA 98133
 Alt: Richard Phalen, Pacific Plumbing Co., P.O. Box 788, Bellevue, WA 98009

Regina

Pres: Allan Thomson, Yoneda & Assoc., 1925 7th Ave., Regina, Sask. S4R 1C1
 Secy: Daryl Mang, Sask-Tel, 2350 Albert St., Regina, Sask.
 Del: Peter Hughes, Thames Estimating Services, Box 672, Lumsden, Sask. SOG 3C0
 Alt: Marv Hounjet, Johnson Controls Ltd, 3251 S. Railway Ave., Regina, Sask. S4T 6S4

Saskatoon

Pres: Brian Crowhurst, J. R. Stephenson Ltd, 407 A 44th St. E, Saskatoon, Sask.
 Secy: B. Krishna Sareen, 119 Laurentian Dr., Saskatoon, Sask. S7H 4R7
 Del: Wendell Dent, 140 Ave. CS, Saskatoon, Sask. S7M 1N1
 Alt: B. Krishna Sareen (see above)

Continued.....

Southern Alberta

Pres: A. M. Smith, Southern Alta. Inst. of Technology, 1301 16th Ave., N.W., Calgary, Alta.
Secy: J. F. Rea, Stevenson Raines & Ptnrs, 1106 4th St., S.W., Calgary, Alta. T2R OX6 T2M OL4
Del: A. M. Smith (see above)
Alt: H. Chorney, Helco Engineering Ltd., #1, 2925 10th Ave., N.E., Calgary, Alta. T2A ZM2

REGIONAL REPRESENTATIVES

Education Committee

Donn R. Roberts
The Trane Co.
1520 Eastlake Ave., East #102
Seattle, WA 98102

Energy Management Committee

Robert T. Martin
BC Hydro & Power Authority
970 Burrard Street - 1st floor
Vancouver, B.C. V6Z 1Y3

Membership Committee

Bruce P. Menlove
383 Lindsay Street
Winnipeg, Manitoba R3N 1H2

Research Promotion Committee

Wendell W. Wolfe
Engineered Air
1401 Hastings-Crescent S.E.
Calgary, Alta. T2G 4C8

Nominating Committee

Member - Herbert C. Sage
Honeywell, Ltd.
1349 Border Street
Winnipeg, Man. R3H ON1

Alternate - Robert G. Manfull
C. W. Timmer Assoc., Inc.
10700 S.W. Beaverton Highway
Beaverton, OR 97005