

From A.S.H.V.E.

To A.S.H.A.E.

To A.S.H.R.A.E

1935 - 1990

Manitoba

Chapter History



**American Society of Heating, Refrigeration and Air Conditioning
Engineers Inc.**

PREFACE

The first known member of ASHVE in Winnipeg was Charles D. Kirk who joined the national society in 1909. He was a foreman for the James Ballantyne Co. Ltd, Plumbers and Heating Contractors, Wall St. and Richards Ave., later he operated a mechanical contracting business, Chas. D. Kirk Co. at 460 Sargent Avenue. From an early age the heating and ventilation engineering, design, manufacturing and supply industries have developed steadily, and since 1935 the Manitoba Chapter of the Society has flourished and grown.

The two preceding Chapter historians were Dave Wooley and Doug Swain. The former is to be thanked for his efforts in gathering files from the sixties and seventies and the latter's history is included in this publication in the article on the 1985 Chapters Regional Conference. There were, unfortunately, no records available to the author covering the first twenty five years of the Chapter's activities. In the Appendix we have listed the dates of copies of minutes of meetings and newsletters that are in the Archives, with the hope that some reader may be in possession of unlisted or missing material and be able to add to our files.

The history of an ongoing organization such as ours is never really completed. Future historians will be mandated to rewrite and update this effort every five years, and it is our hope that old minutes or other documents will come to light as time goes by which will enhance their efforts. Perhaps this publication will help to spark some memories that may be incorporated into the next issue.

Another problem facing the author has been that this is his first attempt at a project of this nature. Many hours have been spent locating and sorting data and selecting pertinent information. The most difficult task was to present it to the reader in an understandable, yet interesting format. Crucial to this effort has been the support and encouragement of many, but special acknowledgment should be made to Marcia Joan Paulley for her advice and assistance, to my colleague Joyce Sim for her forbearance, to Don Cummings and Doug McLuckie for research, to Tim McGinn and to his employer Scouten Mitchell Sigurdson & Associates for their layout and printing assistance, to my employer ITT Fluid Products Canada, and to Earl Constant, Regional Historian for his guidance.

Neil J. Childs
Chapter Historian
April, 1992

CHAPTER 1 - IN THE BEGINNING

PAST PRESIDENTS

The President of an ASHRAE Chapter is responsible for the conduct of the Board of Governors and Committee Chairmen for the term of his office. He must also see that the chapter operates within the terms and conditions set out in its Constitution and Bylaws and within the guidelines established by the Society as published in the "Manual For Chapter Operations". He also acts as chairman for all board meetings and monthly chapter meetings.

The President must be a full member or associate member in good standing with the Society. He is elected by the membership, usually after spending some years as Committee Chairman, then moving onto the Board of Governors, and filling the chairs of Vice-President and President Elect. Doing a good job as President requires the commitment of considerable time and energy. The personal effort and enthusiasm of the President is reflected in the success or lack thereof of the chapter. We wish to salute our Past Presidents listed below who have all contributed to the success and continuation of Manitoba Chapter.

<u>Year</u>	<u>Name</u>	<u>Joined Society</u>
1935	John B. Steele, Winnipeg School Board	1932
1936	John B. Steele, Winnipeg School Board	
1937	D. Fraser Michie II, Crane Ltd.	1930
1938	William Worton, C. A. Dunham & Co.	
1939	George C. Davis, Northern Public Service Corp.	1936
1940	Paul L. Charles, Walsh & Charles Ltd.	1938
1941	Richard L. C. Kent, Trane Company of Canada	1936
1942	Ivan McDonald, Minneapolis Honeywell Regulator	1938
1943	Frank L. Chester, W. G. Chester & Son	
1944	Einar Anderson, Vulcan Iron Works	
1945	Fred T. Ball, Canadian Fairbanks Morse Co.	
1946	Robert E. Moore, Moody & Moore	1943
1947	Douglas S. Swain, Trane Co. of Canada	1941
1948	James R. Stephenson Sr., J. R. Stephenson Ltd.	1940
1949	A. William Moss, Walter Woods Ltd.,	1943
1950	Charles M. Fleming, Fleming Pedlar Ltd.	
1951	John F. Bertram, Minneapolis Honeywell Regulator	1946
1952	William J. Atkinson, Winnipeg Supply & Fuel Co.	1946
1953	Arthur K. Piercy, Green Blankstein Russell Assc.	1947
1954	Gordon T. Christie, Alpha Mfg. Co. Ltd.	1952
1955	George C. Davis, Consultant, 212 Waverley St.	1936
1956	Andrew H. Millar, Walsh & Charles Ltd.	1955

1957	Russell M. Fraser, Fleming-Pedlar Ltd.	1954
1958	Douglas S. Swain, Trane Co. of Canada	1941
1959	W. Lloyd Algie, Crane Asscs.	1949
	Nels B. Jorgensen, Alpha Manufacturing Co.	1952
1960	Hugh R. Skinner, Moody, Moore & Partners	1953
1961	Al Leiterman, Honeywell Controls Ltd.	
1962	Kenneth J. McCartney, General Equipment Ltd.	1953
1963	Robert R. Beattie, Ward & MacDonald Assc.	1959
1964	David J. Wooley, Northwest Wholesale Company	
1965	Gordon R. Fownes, Johnson Controls Ltd.	
1966	Jack W. Stephens, Airmaster Sales Ltd.	
1967	Kenneth B. Watson, F. E. Simmons Co. Ltd.	1955
1968	Kenneth L. Coad, Ballard Enterprises Ltd.	1957
1969	Gordon G. Mitchell, Ward MacDonald & Partners	1962
1970	Herbert C. Sage, Honeywell Controls Ltd.	
1971	Frank Burshtein, Durall Limited	
1972	Norman R. Blaine, Lennox Industries Canada Ltd.	
	Ronald T. Seepish, Ronald Seepish Consulting	
1973	Bruce P. Menlove, American Air Filter of Can.	1966
1974	D. William Easton, Camco Redboine Ltd.	1966
1975	Hymen Dashevsky, K & D Engineering Ltd.	1960
1976	Brian A. Faurschou, Frank E. Simmons Ltd.	1967
1977	Edward J. Faraci, Smith Carter & Partners	1968
1978	David E. Cross, Underwood McLellan Ltd.	1967
1979	Leslie F. Howard, Mark Hot Inc.	1967
1980	Thomas E. Patteson, Manitoba Government Services	1968
1981	David B. McKibbin, Reid Crowther & Partners	1970
1982	Kenneth L. MacCharles, Airmaster Sales Limited	1977
1983	David R. McNeil, Wholesale Heating Supplies Ltd.	1978
1984	Jerry L. Fugate, Smith Carter Partners Ltd.	1978
1985	Robert McDowall, University of Manitoba	1979
1986	Neil J. Childs, I.T.T. Fluid Products Canada	1973
1987	Murray F. Walker, Transport Canada	1979
1988	Brian C. Roberts, Perth Services Ltd.	1986
1989	Dieter Bartel, A. J. P. Engineering	1980
1990	Dan E. MacKay, Johnson Controls Ltd.	1981

THE CHAPTER AND CITY - 1935

The Manitoba Chapter received its charter in 1935 as Chapter #17. It is the second oldest chapter in Canada predated only by Toronto, Ont. The chapter in Montreal, Que. was not established until 1936.

The chapter is currently part of Region XI. This region runs north and south along the Pacific Coast from Oregon to Alaska and from there east in Canada to Northwestern Ontario including the city of Thunder Bay. The Chapter's assigned territory extends from Thunder Bay west to the Manitoba - Saskatchewan border.



City Crest

grilles and diffusers, pumps, fans, garments and furniture to name a few examples.

Most of our members live in the City of Winnipeg which is the capital of Manitoba. Winnipeg is situated at latitude 49 54' North 97 08' West at the confluence of the Red and Assiniboine Rivers. It is thirty miles south of Lake Winnipeg, the seventh largest fresh water lake in the world, and fifty miles north of the North Dakota border and almost midway between the Atlantic and Pacific Oceans.

Winnipeg has a diversified economy, being primarily a distribution centre for western Canada, for goods that came from the United States, and later with the building of the transcontinental railway, from the east. It has also developed a considerable manufacturing industry in such varied fields as electronics, highway buses, city buses, farm machinery, aircraft parts and refurbishment,

In 1935 Winnipeg had a population of 305,735, a number that has more than doubled since that time. It was governed by Mayor John Queen and eighteen aldermen. The premier of the province was the Honorable John Bracken.

The 1935 issue of the Henderson Directory lists the following firms under the headings "Heating and Mechanical Engineers";

Cotter Bros. Ltd.
 Manitoba Bridge & Iron Works Ltd.
 John Plaxton Co. Ltd.
 Standard Plumbing and Heating Co. Ltd.
 Vulcan Iron Works Ltd.

Also listed are three firms advertised as being manufacturers of boilers;
 Pease Western Foundry Ltd.
 Vulcan Iron Works Ltd
 Western Steel Products Ltd.

Keeping in mind that the year 1935 is beyond the memory, and for most current chapter members even prior their birth date, it might be interesting to review some of the events of that time. Ken Watson, famous curler, (not related to our 1967 Past President) won the City Curling Championship, and the Dionne quintuplets celebrated their first birthday. Mary Pickford divorced Douglas Fairbanks and Wiley Post and Will Rogers were killed in airplane crashes. Joe Louis defeated Max Baer, Detroit Tigers won the World Series and Charlie Conacher led the Toronto Maple Leafs in goals scored. McKenzie King defeated R. B. Bennett in a Liberal landslide federally and William Aberhart's new Social Credit Party swept Alberta.

McColl Frontenac Oil Co. had twenty three "Red Indian" Service Stations in the City. Eaton's suits sold for between \$40.00 to \$60.00, a 26 oz. bottle of rye whiskey for \$3.20, a 10 lb. of potatoes for \$0.08 and two pounds of wieners were \$0.25.

Most of the things we use today in business and take for granted were not in existence. Some of these are calculators, computers, facsimile machines, photocopiers, ball point pens, cellular phones, and air conditioning. Instead common items in use were slide rules, telegraph messages, manual typewriters, carbon paper, copy tissue paper, T squares and fountain pens. Things are much more efficient today, although maybe not quite as much fun.

CHARTER MEMBERS

(City) Winnipeg.....(State) Manitoba
 (Date) Sept 25/35..... Canada

American Society of Heating and Ventilating Engineers
 New York, N.Y.

Gentlemen:-

We, the undersigned members of the American Society of Heating and Ventilating Engineers, do hereby petition your Council for a Charter to establish a Chapter of the American Society of Heating and Ventilating Engineers, in MANITOBA.....

1. A. R. Miller
 2. H. R. Eade
 3. John B. Steele
 4. Charles H. Turland
 5. James E. Yates
 6. William Glass
 7. D. Fraser Michie
 8. Richard L. C. Kent
 9. Fred W. Satchwill
 10. H. Dalton Watson

COPY OF ORIGINAL PETITION
 FOR CHARTER
 DATED SEPTEMBER 25, 1935

Letter of Application

On September 25, 1935 ten members petitioned the American Society of Heating and Ventilating Engineers for a charter to establish a chapter in Manitoba. Their names were as follows:

A. R. Miller
 H. R. Eade, Architect
 John B. Steele, Winnipeg School Board
 Charles H. Turland, Kipp Kelly Co.
 James E. Yates
 William Glass, Partridge-Halliday Ltd.
 D. Fraser Michie, Crane Ltd.
 Richard L. C. Kent, Trane Co. of Canada Ltd.
 Fred W. Satchwill, Gas Sales, Winnipeg Electric Co.
 H. Dalton Watson, Tully Ice Machine Co.

Many of these members went on to become officers and chapter presidents and their names appear on the pages where yearly activities are described. Where possible the biographies of these pioneers are listed below in the order they signed the petition.

HUGH R. EADE, CHARTER MEMBER



Hugh R. Eade

Hugh was born in Ipswich, Suffolk, England in 1882. After graduating from university with degrees in architecture and civil engineering he moved to Canada.

He was involved for many years in the heavy manufacturing industry. During this period of his life he became one of the original charter members of the Manitoba Chapter of ASHVE. In 1935 he is listed in the Henderson Directory as an Architect, H. R. Eade & Co., Room 5, Imperial Bank Building, residing at 163 Cheriton Avenue.

In 1951 he opened his own valuation and assessment firm which issued building permits and did electrical inspections for the Municipality of North Kildonan and also did evaluations for the private sector. Hugh was also the assessor for the municipality.

Hugh retired in 1966 due to failing health and passed away at the Heritage Lodge Nursing Home on May 8th, 1976. He was predeceased by his wife Constance. He was a talented artist and completed numerous outstanding paintings during his lifetime.

In addition to being a charter member and signatory to the letter applying for a charter Hugh served the Manitoba Chapter as Treasurer from 1935 to 1940.

JOHN B. STEELE, CHARTER MEMBER, PAST PRESIDENT



John B. Steele

John B. (Jack) Steele was born in Govan, Scotland in 1885. He was a machinist by trade. He served as a sailor on a ship owned by the State and City Line. They sailed out of Glasgow and carried troops to South Africa to serve in the Boer War. Before he left Scotland Jack was President of the Ship Rigger Society in Glasgow.

Jack came to Canada in 1911 and in that same year he was engaged as a machinist with the Canadian Pacific Railway at their Weston Shops. During the First World War he enlisted in the Cameron Highlander Regiment and later transferred to the 5th Canadian Railway Battalion and fought at Vimy Ridge. He returned to Winnipeg and resumed his position with the railway where he worked until his retirement in 1920. While he was still working for the railway he obtained employment at the Winnipeg School Board as Chief Engineer. He retired from this position on July 1st, 1949 after 29 years of service.

Jack was one of the signatories on the letter of September 25, 1935 to the Society asking for the establishment of a chapter in Manitoba. At the request of Fraser Michie he served as Chapter President for the years 1935 and 1936. In 1937 he served on the Board of Governors.

He was a life member of Deer Lodge Legion and a life member of the International Association of Machinists. He passed away on December 18th, 1974 at Deer Lodge Hospital.

CHARLES H. TURLAND, CHARTER MEMBER, LIFE MEMBER

Charlie was born in England 82 years ago and has had a very eventful life. He joined the army (Royal Scots Fusiliers) in 1915, transferred to the Machine Gun Corps (called the Heavy Machine Gun Corps in those days). As those of you interested in military history will know, the British were the first to use tanks in warfare at the Battle of the Somme. Charlie joined them within a couple of weeks of their first action and served with them for 18 months.

In 1918 he transferred to the Royal Flying Corps, took his flying training and was on leave prior to going back to France when the war ended.

After the war he came to Canada and in 1926 joined Acme Fan and Blower Co. in Winnipeg, manufacturing fans, blowers and unit heaters. He says he built the first centrifugal blower installed in a furnace in Canada, in 1926 or 27. It was for a Lennox furnace and it was installed in Banff. In 1930 he formed Red River Products Co., which he sold two years later. In 1937 he moved to Vancouver and spent 30 years with R. E. Johnston Co. as a heating engineer. Then after another two years with the Oil Heating Institute, and having worked for 57 years, he decided to hang up his skates and retire. Charlie joined ASHVE in 1930 as an Associate Member and became a Member in 1932. He organized the Winnipeg Chapter of ASHVE and signed the petition for a Charter. He was made a Life Member of ASHRAE in 1963.

Charlie and his wife still live in Vancouver and still enjoy life, particularly their main hobby - gardening.

D. FRASER MICHIE, P. Eng., CHARTER MEMBER, PAST PRESIDENT, LIFE MEMBER

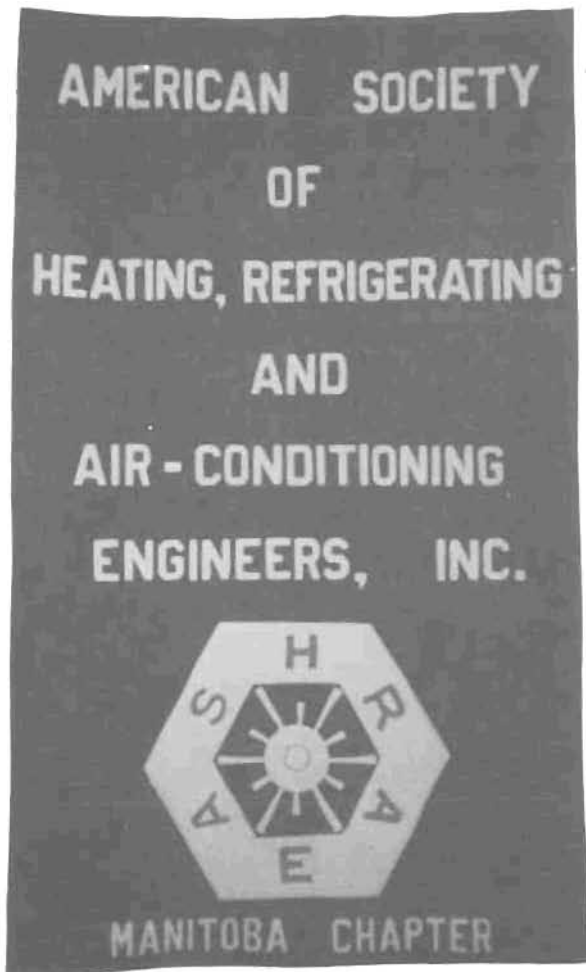
Fraser was born in Toronto and came to Winnipeg with his parents. He graduated from Kelvin High School and later obtained his engineering degree.

He was employed as a sales engineer for Crane Ltd and later was with J. R. Stephenson Ltd for a short time and eventually set up his own engineering practice with George Stewart, a local architect. Some of the projects that he designed the plumbing and heating for were the Middle Church Home, The Salvation Army Building and the Hudson's Bay Northern Stores Building on Main Street.

Fraser retired in 1968 from active work but continued to take a keen interest in the latest engineering techniques. Fraser must be considered the father and founder of the Manitoba Chapter for he developed the idea of forming a group from his personal contacts with Ivan McDonald. Ivan was the local manager of Minneapolis Honeywell Regulator Co and had experience with the Society through his connections in Minneapolis. Fraser persuaded Jack Steele, Chief Engineer, Winnipeg School Board, to accept the position of President of the new chapter, which he did for the years 1935 and 1936. In addition to being a Charter Member Fraser served as Vice President in 1935 and 1936, Chapter President in 1937 and on the Board of Governors in 1938, 1943, 1944, and 1945. He was presented with a certificate in commemoration of his Life Membership and fifty years of Society Membership by Chapter President Dave McKibbin at a chapter meeting in 1982. He was a member of the Association of Professional Engineers of Manitoba, The Engineering Institute of Canada and the American Association for the Advancement of Science. Fraser was married to Doris and they had a son and a daughter. He passed away on January 14, 1983.

CHAPTER 2 - CHAPTER TRADITIONS

Over the years the Manitoba Chapter has established some traditional characteristics and events, some of which are be common to other chapters and some of which may be unique. We have reported the known social events and other activities in the annual highlights in Chapters IV through VIII. The following articles describe some of the artifacts and activities that have become traditional.



Chapter Banner

BANNER

The chapter banner was purchased in 1965 and has been displayed at chapter meetings and chapters regional conferences for the past 25 years. It is made of blue felt with yellow letters and trim. It has carried badges representing awards the chapter has earned over the years.

CHAPTER BELL

The chapter bell was presented to the Manitoba Chapter of ASHAE by Harold F. Randall on December 1st, 1956. Through all the years it has presided over chapter dinner meetings and has been used to bring the meetings to order.

The bell is cast brass and stands 195 mm high and is 115 mm in diameter and weighs about 2 kg. It was made in Chicago, Ill. and bears the inscription "Presented to ASH&AE Manitoba Chapter Dec. 1/56 H. F. Randall".

Harold Randall joined ASHAE and the Manitoba Chapter in 1951 as an Affiliate. He served on the Board of Governors of the Manitoba Chapter in the years 1953, 1954, and 1955. In 1956 he served as Vice President. Harold was born in 1901 and was educated in Winnipeg. He joined his brother Gordon in 1943 in the family owned business Randall & Co. Limited, a mechanical contracting firm, which was founded in 1907 as Randall & Bell by his father Charles E. Randall who passed away on January 8, 1948. The firm has been a major player in the construction industry over the years and still exists today as Randall Plumbing & Heating Ltd., 1811 St. Matthews Ave., Winnipeg, Man. Harold retired in 1959 and passed away in 1988. His wife Willa still resides in Winnipeg.



Chapter Bell

"BUFFALO TALES" is the title of the newsletter of the Manitoba Chapter. The need for this publication arose from the requirement to notify members of the time, place and content of meetings as well as other information on chapter activities. In the early years this was accomplished by the Secretary mailing a meeting notice, the earliest example of which we have is dated October, 1961. We have a fairly good representation of Buffalo Tales in our files since 1977, but so far few earlier issues have come to light.

We have, therefore, no definite date when the newsletter began, but the first reference to the name shows up in the June 6, 1972 Board of Governors Meeting minutes. We can only hope that someday, someone, somewhere will open an old carton and find the missing issues. A list of the issues on hand appears in the Appendix.

The task of being an editor of a monthly publication such as this is one of the most onerous in the chapter, and we hope that by listing these members below we will give them some recognition for their efforts.

<u>Year</u>	<u>Editor</u>
1971 - 72	Bill Easton, Camco Redboine Ltd.
1972 - 73	Walter Gowan, Powers Regulator Co.
1976 - 77	Herb Sage, Honeywell Ltd.
1977 - 78	Herb Sage, Honeywell Ltd.
1978 - 79	Herb Sage, Honeywell Ltd.
1979 - 80	Herb Sage, Honeywell Ltd.
1980 - 81	Harry Mah, Lennox Industries Canada Ltd.
1981 - 82	John Bachmann, ICG Energy Products Ltd.
1982 - 83	Mike Cox, Johnson Controls Ltd
1983 - 84	Barbara Langford, Johnson Controls Ltd.
1984 - 85	Barbara Langford, Johnson Controls Ltd.
1985 - 86	Ron Salome, Transalta Energy Systems Ltd.
1986 - 87	Robert McDowall, University of Manitoba
1987 - 88	Robert McDowall, University of Manitoba
1988 - 89	Craig Wray, Unies Ltd.
1989 - 90	Rick McMillan, Honeywell Ltd.
1990 - 91	Robert McDowall, University of Manitoba

FIELD TRIPS

Society guidelines suggest that the chapter may tour interesting facilities and mechanical installations in lieu of a technical presentation at monthly meetings and the following is a list of some of the visits that have been made by the Manitoba Chapter:

- 1962 On April 26th a tour of the Investors Syndicate Building with emphasis on their enlarged IBM centre.
- 1964 The January meeting was a tour of the mechanical systems in the Winnipeg International Airport.
- 1965 The new Winnipeg City Hall and Civic Centre on May 7th as part of the Chapters Regional Conference.
- 1966 A bus trip to tour the Atomic Energy of Canada, Whiteshell Nuclear Research Establishment facility at Pinawa, Manitoba.
- 1967 On September 20th the Labatt's Brewery and on November 23rd the Chicago Blower (Canada) Ltd. plant on Regent Avenue.
- 1969 On October 23rd the new continuous distilling process, keggling and process facilities at Calvert of Canada Ltd. , Gimli, Manitoba and the central air conditioning system for the new Manitoba Centennial Centre on Main Street on November 21st.
- 1970 On November 18th the Carter Temro Plant on Osborne Street where electric baseboard heaters were being tested, on February 19th the facilities at the Freshwater Fish Institute on the University of Manitoba Campus, and on May 7th the Red River Community College as part of the Chapters Regional Conference.
- 1977 The Labatt's Brewery for the January meeting, and a solar energy experiment at the Manitoba Legislature as part of the Chapters Regional Conference.
- 1979 The mechanical systems in the Royal Canadian Mint in January.
- 1982 On February 23rd the W. M. Ward Technical Services Laboratory, seeing the mechanical systems and the actual work in this provincial facility for Environment Management and Mineral Resources Divisions of the government.
- 1984 In May the Motor Coach Industries plant in Fort Garry where Greyhound buses are manufactured for all of North America.
- 1985 The Conviron Ltd. plant on St. James Street on May 9th as part of the Chapters Regional Conference.
- 1989 The Conviron Ltd. plant on St. James Street where environmental growth chambers for use in the experimental development of plants are manufactured.
- 1990 In December the new Toronto-Dominion Centre, a high rise building at the corner of Portage and Main.

JOHN ROSS CURLING TROPHY

John H. Ross, Director, Region II, donated "The Ross Trophy" which is inscribed "For Annual Curling Competition Among the Prairie Chapters of ASHRAE" on March 6th, 1963. With the exception of 1981 and 1985 there has been competition for the trophy by some or all of the chapters every year.

The only win for the Manitoba Chapter was accomplished in 1969 by a rink made up of George Currie, Bob Bird, Gerry Kendall and Ron Seepish.



The Ross Trophy

A Manitoba team competed and came in fourth in 1972, however we have no record of any of the names of the players or where they played. In 1983 the team of Ken MacCharles, Art McKenzie and Ken Sarsen came in second in Regina. They curled again in Saskatoon in 1984 and also took second place.

The Murray Walker rink with Neil Childs, Dieter Bartel and Brian Roberts went to Regina in 1988 where they came in last. They returned again to Regina in 1989, and failed to even win a single game. In 1990 the chapter decided not to compete.

The following is a list of the victorious chapters:

<u>YEAR</u>	<u>CHAPTER</u>	<u>TEAM MEMBERS</u>
1963	Regina	Carl Balzer, Lynn Wilkinson, Geoff Deeprose, Doug Adair
1964	Calgary	Bob Crawford, Alex Anderson, Cliff Martenson, Jim Orr
1965	Edmonton	Ron Medd, Bernie O'Connor, Jim Reid, Ron Manning
1966	Regina	Nelson Greene, Vic Woroby, Trev Harle, Ian Hay
1967	Regina	Nelson Greene, Vern Gross, Ted McRoberts, Ian Hay
1968	Calgary	Ace Burns, Wally Smith, Stan Hauch, Clint Smith
1969	Winnipeg	George Currie, Bob Bird, Gerry Kendall, Ron Seepish
1970	Saskatoon	Frank Gerbrandt, Blaine Tollefson, Vic Savoie, Bill Peters
1971	Calgary	Wendell Wolfe, Frank Armstrong, John Weibe, Ron Molnar
1972	Saskatoon	Blaine Tollefson, D. Hodgson, Y. Yerhoff, Wendall Dent
1973	Regina	Ken Hamblin, Williard Abrahamson, Jack Chandler, Ken Deyell
1974	Saskatoon	Blaine Tollefson, J. Yerhoff, M. Buhl, Wendall Dent
1975	Regina	Ken Hamblin, Trev Harle, Leo Rissling, Ari Dumont
1976	Calgary	Ted Tucker, Cliff White, Bill Herr, Bob Newman
1977	Edmonton	Lloyd Wilson, Art Thom, Hank Zimmerman, Joe Evanoff
1978	Saskatoon	Ray Graves, Lloyd Colborne, Jerry Belanger, Bernie Kaminski
1979	Regina	Ron Theaker, Les Miki, Dennis Dusterbeck, Peter Hughes
1980	Edmonton	Gordon Mitchell, Casey Tyler, Hank Zimmerman, Don Chorney
1982	Regina	Cal Read, Terry Bender, Steve Thompson, Trev Harle
1983	Saskatoon	Blaine Tollefson, Merv Buhl, Les Larocque, Grant Jones

1983	Saskatoon	Blaine Tollefson, Merv Buhl, Les Larocque, Grant Jones
1984	Saskatoon	Blaine Tollefson, Merv Buhl, Les Larocque, Rick Savoie
1986	Saskatoon	Blaine Tollefson, Merv Buhl, Les Larocque, Grant Jones
1987	Calgary	Gary Marks, Roy Best, D. Dronyk
1988	Regina	Jerry Boulanger, Brian Cowan, Bill Wright, Bob Barschel
1989	Regina	Jerry Boulanger, Brian Cowan, George Behl, Bill Wright,
1990	Saskatoon	Mike Cook, Gord Nagus, Lloyd Labas, Dave Fisher
1991	Saskatoon	Don Zelizney, Rick Savoie, Dave Fisher, Mike Cook

A.S.H.R.A.E. INTER-CHAPTER TROPHY COMPETITION

RULES OF PLAY

Trophy shall be held by any one chapter until won by challenger.

Play for the Trophy shall take place in Toronto or Montreal at least once each year during the regular yearly chapter bonspiels of either chapter.

Any ASHRAE chapter have the right to enter the competition.

Only one team consisting of four ASHRAE members in good standing shall compete from each chapter.

In all cases where only two chapters are represented the winner shall be declared after 2 - 8 end games, with the total score, maximum allowable plus score any one game ten points counting.

Whenever more than two chapters enter the competition play shall be on a knock-out basis consisting of games of eight ends each.

Arrangement of play will be drawn in the regular manner from a hat or other legal method.

It is expected that each chapter wishing to enter a team into the Inter Chapter Trophy competition shall name their rink one week in advance of the games.

In case of a tie score at the completion of any one game an extra end shall be played.

Refreshments shall be supplied by each winning player for their opponent playing in the same position on the losing team.

Dominion Curling Rules shall prevail at all times with a competent games umpire in char

Above rules drawn up by officially appointed rules committee.

March 6th, 1963.

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



UNITED ENGINEERING CENTER, 345 EAST 47th STREET
New York 17, N. Y. PLaza 2-6800

1251 Yonge Street
Toronto 7, Ontario.

March 6th, 1963.

TO: Secretaries of the Prairie Chapters.

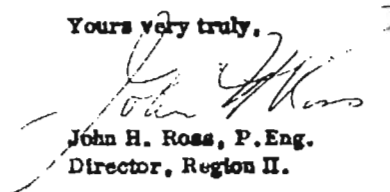
Gentlemen:

This will advise all concerned that the Curling Trophy was shipped express two weeks ago to Mr. W. Sheppit, Chairman of the Saskatchewan Chapter Charter Committee.

It is thought best that a few loose ends should be tied down in connection with this Trophy and they are as follows:

1. Name variations have been noted but the correct name of the Trophy is "The Ross Trophy".
2. The inscription on the Trophy reads "For Annual Curling Competition Among the Prairie Chapters of ASHRAE". This, of course, covers the three existing Chapters, Northern Alberta, Southern Alberta, Manitoba and the new Saskatchewan Chapter to be chartered on March 22nd, and any new chapters that might be formed within the boundaries of the three Prairie Provinces.
3. It would be appreciated if each of the four chapters would appoint a representative to a Rules Committee and this Committee should draw up a set of rules to govern the Trophy play prior to March 22nd. A copy of the rules governing inter-chapter trophy competition in the Ontario-Quebec area is enclosed as an example.
4. Provision should be made in the rules so that in the future, if it is ever required, a new Rules Committee can be appointed to make changes in the existing rules as long as the change or changes are unanimous.

Yours very truly,



John H. Ross, P. Eng.
Director, Region II.

JHB/d
Encl.

ROSTER

Most chapters issue a directory or roster each year. A roster permits the membership to become better acquainted with each other and engenders the feeling of belonging.

The collection of chapter rosters contained in the archives has been a valuable source of information in the writing of this history. It has helped identify the movers and shakers who, over the years, have been the ones who have made things happen in the chapter. The following is a list of the issues in our possession and, where known, the names of the chairmen responsible for their production.

<u>Year</u>	<u>Chairman</u>
1950	(A typed membership list only, author unknown)
1957	Author unknown
1958 - 59	Author unknown
1959 - 60	Author unknown
1960 - 61	Al Leiterman, Honeywell Controls Ltd.
1961 - 62	Dave Wooley, Northwest Wholesale Ltd.
1962 - 63	Ken Watson, Green, Blankstein, Russell
1963 - 64	John Greenaway, Manitoba Technical Institute
1964 - 65	John Greenaway, Manitoba Technical Institute
1965 - 66	Dave Cross, MMP Winnipeg
1966 - 67	J. Marcok, Weil Mclain Canada Ltd.
1967 - 68	Bruce P. Menlove, Mills Supply
1968 - 69	Al Roy, J. R. Stephenson Ltd.
1970 - 71	Tom Patteson, Powers Regulator Co. Ltd.
1972 - 73	Tom Patteson, Powers Regulator Co. Ltd.
1973 - 74	Author unknown
1974 - 75	Author unknown
1976 - 77	Harry Mah, Lennox Industries (Canada) Ltd.
1977 - 78	Ken Scott, 97 Parkville Drive
1978 - 79	Les Howard, Mark Hot Inc.
1979 - 80	Bruce Sloane, MMP Architects & Engineers
1980 - 81	Vernon Hawryluk, Government Services
1982 - 83	Vernon Hawryluk, Government Services
1983 - 84	Art McKenzie, Master Plumbing & Heating Co. Ltd.
1984 - 85	Ken Suri, Manitoba Hydro
1985 - 86	Ken Suri, Manitoba Hydro
1987 - 88	Dieter Bartel, Scouten Mitchell Sigurdson & Assc.
1988 - 89	Dieter Bartel, A. J. P. Engineering Ltd.
1989 - 90	Joyce Sim, ITT Fluid Products Canada Ltd.
1990 - 91	(No roster produced)

The chapter also has in its possession a 1957 Role of Membership of ASHAE which was published by the Society in New York and lists the name, employer, address and date of joining of all the members in the world. In 1957 Society membership was 10,775 including 925 members from the Dominion of Canada. There were six chapters in Canada, British Columbia (1952), Manitoba (1935), Montreal (1936), Northern Alberta (1956), Ontario (1922) and Ottawa Valley (1952).

CHAPTER 3 - THE CHAPTER AS HOST

The local chapters of the American Society of Heating, Refrigerating and Air Conditioning Engineers Inc are grouped into geographical areas called regions. Each year the chapters gather for a two or three day business meeting called the "Chapters Regional Conference" (CRC). The delegate for each chapter reports on his chapter's activities during the past year, puts forward action items for Society consideration, places names of nominees for Society and Regional positions, and suggests candidates for awards and honors. There are also workshops and technical sessions where delegates and committee chairmen can gain information on how to more effectively operate their chapters. Last, but not least, there are informal sessions, social and spousal events that build fellowship and increase attendance.

The venue for the CRC changes each year, being usually held in the city of the host chapter. Each chapter makes an all out effort to put on the best ever event when their turn to be host comes around. Manitoba Chapter has hosted four CRC's, the highlights of which are described in the following reports.

1965 CHAPTERS REGIONAL CONFERENCE

KUM₂ WPG. ⁶⁵
CANADA'S CONVENTION CENTRE
ASHRAE
CHAPTERS' REGIONAL CONFERENCE
REGION 2
'Changing Concepts in an Era of Change'
MAY 6 & 7, 1965

The Region II CRC (Chapters Regional Conference) was held at the International Inn on May 5, 6 & 7th, 1965. Ten chapters were represented by delegates and alternates from the following chapters; Atlantic Provinces, Montreal, Niagara Peninsula, Northern Alberta, Ontario, Ottawa Valley, Saskatchewan, Southern Alberta, Ville de Quebec and Manitoba. A strong committee was organized to make all the necessary arrangements and the following chapter members were Committee

Chairmen with stand- ins listed in brackets;

General Chairman - G. R. (Bob) Fownes (Ken Watson)
Secretary - David Ward (Gordon Mitchell)
Finance - Al Leiterman (Al Harrison)
Technical Session & Speakers - Hugh Skinner (Dave Ekmire)
Accommodation & Facilities - Bob Beattie (B. Anderson)
Publicity - Frank Burshstein (W. W. Starr)
Special Events and Fellowship - Carl Schwarz (V. Nord)
Steering Committee - Dave Wooley (Doug Swain)

Official visitors from Society were:

J. E. Dube, St Louis, Mo. - Society President
 John H. Ross, Toronto, Ont. - Society Treasurer
 Andrew T Boggs III, New York, NY, Society Secretary
 John H. Fox, Toronto, Ont. - Society Director

The opening event of the conference was a reception on Wednesday evening with B. J. Horsburgh, Region II Director from Montreal. On Thursday May 6th at 9:00 AM the first Business Session began, which ran all morning. At noon there was a luncheon with Society Officers and the speaker was John E. Dube, Society President. In the afternoon three Technical Sessions were presented with the following topics and speakers:

"On Site Total Energy Concept" - John Henderson, Caterpillar Tractor Co., Peoria, Ill.
 "Sound Attenuation Considerations in Mechanical Systems" - Professor Howard Gawley,
 University of Manitoba.
 "Solar Energy Utilization in the Winnipeg Area" - Donald
 Craik, Director, Manitoba Research Council.

On Thursday evening a Dinner Dance was held at the Niakwa Country Club. Dining was accompanied by a pianist and John Dube. Society President was the after dinner speaker. Tickets for the affair were \$13.00 per couple and a great time was had by all. Music for dancing was provided by our own Hugh Skinner and Pine Tones.



International Inn

1808 Wellington at Berry / Adjacent to International Air Terminal / Winnipeg 21, Canada

TELEPHONE: 786-4801

TELEX: 03-5645

RATES

ROOM WITH ONE LARGE DOUBLE BED

SINGLE OCCUPANCY \$11.00 and up
 DOUBLE OCCUPANCY \$14.50 and up

ROOM WITH TWIN BEDS

SINGLE OCCUPANCY \$12.00 and up
 DOUBLE OCCUPANCY \$16.00 and up

ROOM WITH TWO LARGE DOUBLE BEDS

SINGLE OCCUPANCY \$12.00 and up
 DOUBLE OCCUPANCY \$16.00 and up

STUDIO BED-SITTING ROOMS

SINGLE OCCUPANCY \$12.00 and up
 DOUBLE OCCUPANCY \$16.00 and up

EXECUTIVE BED-SITTING ROOMS

SINGLE OCCUPANCY \$16.00 and up
 DOUBLE OCCUPANCY \$20.00 and up

EXECUTIVE SUITES \$23.00 to \$40.00

BOARD ROOM \$25.00

CONVENTION AND EXHIBITION HALL — BANQUET AND MEETING ROOMS — SALONS AND HOSPITALITY SUITES

Prices available upon request.

A charge of \$2.00 per adult person will be made over the double rate for additional persons occupying the room.

1965 Rate Schedule - International Inn

The Business Sessions resumed on Friday morning until noon, at which time everyone went to the Civic Centre to attend a luncheon of deep fried shrimps and strawberry shortcake put on by the City of Winnipeg. Mayor Steve Juba was unable to attend but his remarks were ably presented by Acting Mayor Edith I. Tennant. After lunch everyone went on a tour of the new Civic Centre and the new Winnipeg City Hall.

The Ladies Committee was chaired by Mrs. Marg Leiterman. On Thursday they all attended a reception and luncheon at the residence of Mrs Marion Fownes, 185 Waverley Street.

Many favorable comments were received about Winnipeg hospitality and the fine organization which made the conference a success.

1970 CHAPTERS REGIONAL CONFERENCE

The 1970 Region II CRC was held on May 6th to 8th. The conference was attended by eleven Chapters; Atlantic Provinces, Montreal, Niagara Peninsula, Northern Alberta, Ontario, Ottawa Valley, La Ville de Quebec, Regina, Saskatoon, Southern Alberta and Manitoba.

The CRC Planning Committee looked after all the events and schedules. The Chairman was Ken Watson and the members were Jack Stephens, Dave Wooley, Bob Beattie, Doug Swain and Ken Coad. The Women's Committee was headed by Wilma Mitchell. Meetings were held at the Fort Garry Hotel. Rooms were arranged and priced as outlined on the Rate Schedule. The cost of tickets for the luncheon were \$3.50 and \$15.00 per couple for the Dinner/Dance.

Society Officers attending were:

William G. Hole, Montreal - Society President

Walter F. Spiegel, Jenkintown, Pa.

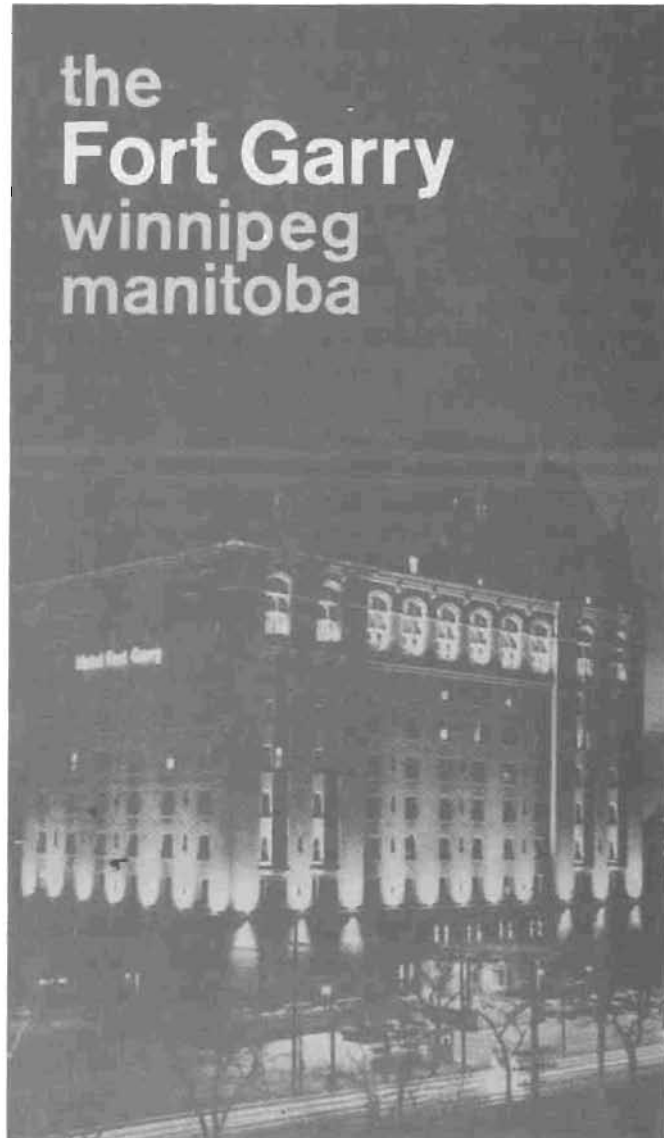
Vice President Percy M. Butler, Edmonton, Director &
Region II Chairman

J. S. Gordon, Vancouver.

On Wednesday evening, May 6th at 8:00 PM, out of town guests and local members were able to get together at the Regional Director's Reception. Thursday morning saw the beginning of the Business Sessions with the President's Luncheon at noon, where those present were addressed by Bill Hole, the President. Thursday afternoon was spent in Workshop meetings for the Delegates and Alternates.

Thursday evening a Dinner/Dance was held at the Niakwa Golf Club. There was music by a band called the Continentals, a steak dinner, and a very pleasant evening.

Business meetings continued on Friday morning and a windup luncheon was held at noon and then everyone boarded the bus for a tour of Red River Community College. This brought to a conclusion what everyone agreed was a very successful conference.



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EUROPEAN PLAN CHECK OUT HOUR 3 p.m.

RATE SCHEDULE

STANDARD TYPE

Single with Shower	10.50	13.00	13.50	15.00
Single Tub & Shower	11.50	14.00	15.50	16.00
Double or Twin & Shower	19.00	20.00	20.50	
Double or Twin, Tub & Shower		19.50	21.00	21.50

STUDIO AND BED-SITTING ROOM TYPE

Single with Tub & Shower	16.50	19.50
Double or Twin, Tub & Shower	22.00	25.50

BEDROOM WITH SITTING ROOM BATH AND SHOWER

Single	32.00	38.00	43.00
Double or Twin	44.00	48.00	53.00
DeLuxe (2 Bedrooms & Dining Room)		120.00	140.00

GOOD SAMPLE ROOM ACCOMMODATION

No charge is made for children under 14 years occupying the same room as their parents

W. K. MURRAY, Resident Manager

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1-70

1970 Rate Schedule - Hotel Fort Garry

1977 CHAPTERS REGIONAL CONFERENCE

The 1977 Region II CRC was held April 20th through April 22nd at the Holiday Inn. The conference was attended by thirteen Chapters, Halifax, New Brunswick, Ville de Quebec, Montreal, Ottawa Valley, Ontario, Hamilton, London, Manitoba, Regina, Saskatoon Southern Alberta and Northern Alberta.

An estimated 120 Delegates, Alternates, out of town guests and local members attended the conference, which was reported to be a "Roaring Success". This success did not just happen, but took a great deal of effort by the local organizers.

The CRC Meeting Arrangements Committee were:

Chairman - William Easton

Finance - John Hawryluk
Technical - Bob Beattie
Program - Oliver Foulkes
Ladies Events/Entertainment - Walt Gowan
Publicity & Public Relations - Bruce Menlove
Banquet & Luncheons - R. Allen
Registration, Reception & Transportation - Art Pankratz

ASHRAE Society officers who attended were:

Bruno Marabito, President-Elect
Morris Backer, Vice President
George E. Menzies, Director & Region II Chairman

The Conference started on Wednesday April 20th with a Reception Welcome Wine & Cheese followed by a Delegate and Alternate Caucus at 9:00 PM.

On Thursday morning at 9:00 AM the first Business Session opened with a call to order by George Menzies and a welcome address by Brian Faurshou, Chapter President. At noon there was a "Manitoba" Luncheon and Reception which was combined with a regular Chapter Meeting with guest speaker Bruno Marabito, Society President-Elect. Guests were served Lake Winnipeg Goldeye and wild rice and CRC Chairman Bill Easton gave a demonstration of the correct way to "attack" a whole goldeye.

Following lunch at 2:00 PM the ASHRAE Research Canada Annual Meeting was held with President Bev. C. Neill and Secretary/Treasurer Alan W. Oakes. From 2:30 to 5:30 PM Workshops-Technical Sessions No. 1 were held as follows:

Research & Promotion - Alan Oakes
Publicity - Cliff Morrison
Membership - Herb Sage
Chapter Programming - Russ Gonder
Energy Conservation - Kirk Bavis

In the evening a Reception, Dinner and Dance with live entertainment was held. Tickets were available to members at \$30.00 per couple.

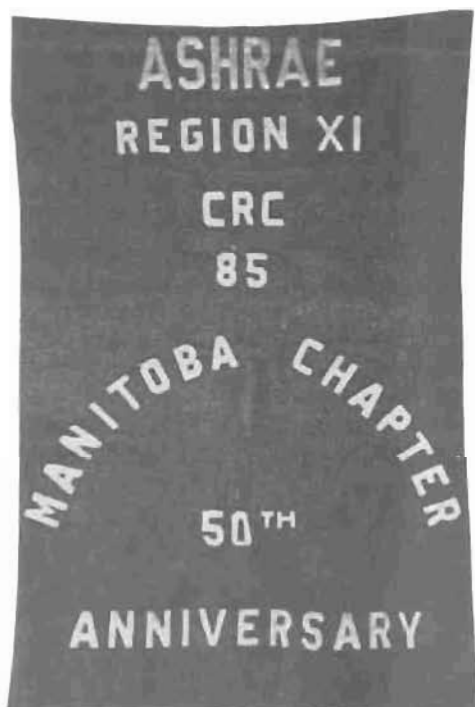
Friday morning saw Delegates and Alternates up for a 7:30 AM Breakfast and Executive Session. At 9:00 AM they adjourned to attend Technical Session No. 2, a guided tour of a solar energy system installed at the Manitoba Legislature followed by a talk on a solar energy experiment. The tour group returned to the Holiday Inn for a luncheon and reception with guest speaker Tom Breen who spoke on the topic "Occupational Alcoholism". Following lunch Workshops-Technical Session No. 3 were held as follows; Education by Bob Morris and Metric Conversion by Percy Butler. The Second Business Session followed which finished up the business of the conference.

While the conference was in session the Hospitality Room was available to attenders and spouses. A Ladies Program was organized which included a tour of MacDonald House on Thursday, followed by lunch at Victor's, shopping along Osborne Street - Boutique Row, and tea at Basil's. On Friday there was a tour of the Winnipeg Mint followed by lunch at the Winnipeg Art Gallery and a tour of the Art Gallery in the afternoon.

Committee Chairman Bill Easton received no less than eight letters after the completion of the conference congratulating him and his committeemen on the organization and fun provided to the guests. A good time was had by all.

1985 CHAPTERS REGIONAL CONFERENCE

The Manitoba Chapter had petitioned in 1978 to host the 1985 conference to celebrate their 50th anniversary. The venue was the Holiday Inn Downtown and the conference theme "Friendly Manitoba" seemed to be the underlying reason for the event's success and the good feelings engendered among the guests.



CRC Banner

Rooms were arranged at a cost of \$68.00 and full registration for the conference was \$125.00, and \$75.00 for companions. As we were celebrating our fiftieth anniversary it was decided that the chapter purchase a special banner for the occasion. This banner was displayed, along with the chapter banner, throughout the conference.

There were 49 full registrants and 12 spouses from out of the province, 23 full local registrants with 14 spouses and 19 local members attending some of the activities. Official visitors were:

Donald Bahfleth, Society President Elect
Fred Kohloss, Society Vice President
J. Richard Wright, Society Director of
Technology.

The success of the conference was the result of many hours of hard work and imagination by chapter members and special mention should be made of the Planning Committee who were:

Regional Chairman - Jim Park, Vancouver
General Chairman - Dave McKibbin
Co-Chairman - Jerry Fugate
Secretary - Barbara Langford
Finance - Ken MacCharles
Registration - Mike Podolski
Transportation - Robin Sukhan
Social - Les Howard
Technical & Workshops - Rob McDowall
Publicity & Mailing - Brian Webb
Hosting - Ken Sarsen
Hotel Arrangements - Dave McNeil
Ticket Sales - Ken Halipchuk

The first meeting of the planning committee was held on December 12, 1983 when most of the chairmen were selected. A few meetings later the hotel had been arranged and a preliminary budget had been approved. Promotional packages were readied for the 1984 CRC in Portland, Or. and for the information of the other chapters. Jim Park, Regional Chairman, attended the November 20, 1984 "Kick-Off" meeting when detailed planning began in earnest. He also came from Vancouver on two later occasions and was a great help to the committee.

On Wednesday May 8th the conference opened with a "Mixer", a no charge Wine and Cheese Reception hosted by local industries, sales agencies, and members.

On Thursday morning all Delegates and Alternates attended a Caucus Meeting and the opening Business Sessions. The Theme Luncheon, based on "Friendly Manitoba ", was held with the Master of Ceremonies being Jerry Fugate, Chapter President. Dave McKibbin welcomed the guests to Manitoba and Doug Swain, Chapter Historian, gave a presentation on the Chapter's History and introduced the Past Presidents who were present. A welcome to Winnipeg was extended by Jae Eadie, Councillor and Eugene Kostyra, MLA, who also spoke on the Manitoba Hydro Limestone Project.

After lunch Robert McDowall presented the first Technical Session, Douglas Small spoke on "Refrigeration for Environmental Control". Two workshops followed, Membership convened by Randy St. Jacques, Speaker - Jim Jenkins, and Energy Management convened by Neil Childs, Speaker - Ken Mecker.

To facilitate everyone who was flying home Friday, the Awards Banquet and Dance in the Ballroom was advanced to Thursday evening. After a Cornish Game Hen Dinner, (turnout was so large that some late arrivals had roast beef), awards were presented to chapters who had outstanding performance in the past year, and dancing began to the music of our own Ernie Fink and his ten piece band "The Bavarians". At 9:30 the crowd was entertained by local comedian Len Andree, after which dancing continued till the wee hours.

On Friday morning after pool side aerobics at 6:00 AM, the 7:00 AM Executive Session, and a Breakfast, the second Technical Session was convened by Robert McDowall. The speaker was David Kroeker on the topic "HVAC for Close Controlled Environments". After coffee break two workshops were held. "R" in ASHRAE convened by Brian Webb, Speaker - Forest Sainsbury and Chapter Operations convened by David Waldman, Speaker - Detlef Goepfert.

The attenders at the President's Luncheon enjoyed a performance by St. Johns Ravenscourt Choir after which they were addressed by Don Bahnfleth, Society President Elect. After lunch another Executive Session was held and then all went on a tour of Controlled Environments Ltd. fabricating plant. On their return two more workshops were held. Research Promotion was convened by David McNeil, Speaker - George Menzies and Government Affairs was convened by Bruce Menlove, Speaker - Francois Langlais.

On Friday evening no one flew home, but instead brought friends to the English Pub Nite, which saw attendance far exceed expectations. Billed as "An Evening Casual in Program and Dress" relaxation was the theme after two busy days at the conference. A traditional steak and kidney pie was served until it ran out and was supplemented with food from all over the hotel. Guests were able to mingle with background piano music provided. The Vancouver advance party invited everyone to the 1986 CRC which was being held during the first week of Expo 86, the World Exposition.

An important part of any CRC is an interesting Ladies Program and at this CRC the organization of these events was ably performed by Kathy McKibbin and Betty McNeil. Not only was the hospitality suite kept open and hosted at all hours, but on Thursday there was an aerobics session at

7:30 AM, a bus tour of the Dugald Costume Museum in the morning, then lunch and a tour of the Royal Mint in the afternoon. On Friday morning a shopping tour was held downtown.

In addition the companions were hosted by the committee at all the luncheons and social events. The CRC was deemed to be a great success, many new friendships were made and old ones renewed. The hospitality of the chapter was lauded by those who attended and the Planning Committee and very many chapter volunteers received much satisfaction from the enthusiastic reception that their efforts received. For this they are to be congratulated. The official Region XI CRC Society records speak of the CRC as one of the best. Thanks also need to be extended to the technical presenters from throughout the Region, who unselfishly gave of their time and money to advance ASHRAE.

The following history was written and read to the guests at the Theme Luncheon by Douglas S. Swain, Historian and Past President 1947 & 1958.

1935 - 1985 MANITOBA CHAPTER HISTORY

I have been asked to comment briefly on the historical aspects of this active Manitoba Chapter over the last five decades. Such a review can be conveniently divided into "the men" and "the methods".

The original 1935 petition consisted of the requisite minimum signers, whose names may be familiar to some:

- W. Glass Sr. President of Partridge-Halliday (Later to become Cotter Bros.)
- R. L. Kent, Manager of Trane Co. Winnipeg, my former boss.
- J. Steele, Chief Engineer, Winnipeg School Board.
- F. Satchwill, Winnipeg Electric, coal-gas supplier.
- J. Yates Sr., James Yates Contractor, Brandon, Man.
- F. Michie, P. Eng., Originally with Crane Co., Winnipeg, and very supportive of ASHRAE

The foregoing six members continued for years, but the following four members dropped out by 1938 and not much background on these is available:

- H. R. Eade, a local architect.
- C. H. Turland, a Kipp Kelly employee.
- E. R. Miller, unknown.
- H. D. Watson, unknown.

After receiving our charter in 1935, this chapter has continued to flourish over the years from these ten initially to approximately 130, which is the present membership. A creditable record, due in large measure to the lengthy list of past presidents of whom I am honored to introduce, many of them, at this time, as your guests. This is a great time for all to relive some memories.

Now to touch briefly on a few of the methods, mostly from a personal viewpoint. Throughout my association, the ASHRAE Guide has been the "Bible" of the industry, as it still is today, and will be tomorrow. ASHRAE has continually upgraded its publications and research, and our chapter has played an active part by voluntarily raising research monies and also by increasing membership.

When I started this game, it was with Trane Co. as a sales engineer, but the sales aspect was secondary, and I continued to be involved in engineering and design of heating and ventilation systems rather than sales of individual items.

In the "thirties", heating mostly involved two-pipe steam heating, and a deluxe job had a coal stoker. I was not involved with residential heating but note that the standard was hand-fired gravity warm air furnaces.

In the "forties", the first two years were given to heating systems for temporary air force and army buildings. After 1945, until the sixties, we saw the advent of F.H.W. heating, some air conditioning, but usually the cooling was deleted because of costs.

The "sixties" saw the introduction, on a large scale, of packaged air conditioning units and large tonnage centrifugal chillers.

In the "seventies" we experienced the rise in the use of natural gas and still later, electric energy with their facility for easy control.

When I made this review, I was slightly amazed at the acceptance of natural gas and electricity for ordinary space heating as this was forbidden in the earlier years, although available in the form of coal-gas and electrical distribution everywhere. Finally, in these times, with the potential for solar energy, computer analysis, heat pumps, environmental problems, the future of our industry is only limited by our imagination. It's been great to be part of ASHRAE.



*Celebrating 50th Anniversary
1935-1985*

CHAPTER 4 - THE THIRTIES AND FORTIES

This era was probably the most tumultuous period in our history. When the chapter was formed in 1935 we were in the middle of the "Dirty Thirties" only to move into the forties where so many of our members were cast into the chaos of World War II. They were exciting times, however, and our industry was changing rapidly. Some of the things that were popular or emerging in this period were one-pipe steam systems, cast iron radiators and baseboard, gravity flow hot water heating systems, cast iron warm air furnaces, steel space heaters, coal stokers, ash removal stokers, circulating pumps, zone valves and automatic temperature control.

While the chapter was small by today's standards it was active. Meetings were held at the Fort Garry Hotel and occasionally there was a technical presentation by a guest speaker or member. Every year there was a "Ladies Night" social and a summer outing, golfing or a picnic. Unfortunately there are virtually no records preserved from this period, or at least in the archives, so that we have no actual record of year to year activities.

1935 - 36

President	John (Jack) B. Steele, Winnipeg School Board
Vice-President	D. Fraser Michie II, Crane Ltd.
Secretary	Charles H. Turland, Kipp Kelly Co.
Treasurer	H. R. Eade, Architect, 5 - 193 Bannatyne Ave.
Governors	Bernard G. Jones, Acme Fan & Blower Co., Ltd. William Glass, Partridge-Halliday Ltd. James E. Yates, J. Yates Contractor, Brandon

HIGHLIGHTS

On September 25, 1935 ten members petitioned the American Society of Heating and Ventilating Engineers for a charter to establish a chapter in Manitoba. Their names were as follows:

A. R. Miller
H. R. Eade, Architect, H. R. Eade & Co.
John B. Steele, Winnipeg School Board
Charles H. Turland, Kipp Kelly Co.
James E. Yates, J. Yates Contractor, Brandon
William Glass, Partridge-Halliday Ltd.
D. Fraser Michie II, Crane Ltd.
Richard L. C. Kent, Trane Co. of Canada Ltd.
Fred W. Satchwill, Gas Sales, Winnipeg Electric Co.
H. Dalton Watson, Tully Ice Machine Co.

PRESIDENTIAL PROFILE - John B. Steele

See Charter Members article.

1936 - 37

President	John (Jack) B. Steele, Winnipeg School Board
Vice-President	D. Fraser Michie, Crane Ltd
Secretary	Charles H. Turland, Kipp Kelly Ltd.
Treasurer	H. R. Eade, Architect, 5 - 193 Bannatyne Ave.
Governors	Frank B. Thompson, Crane Ltd. William Glass, Partridge-Halliday Ltd. James E. Yates, J. Yates Contractor, Brandon

PRESIDENTIAL PROFILE - John B. Steele

See Charter Members Article.

1937 - 38

President	D. Fraser Michie II, Crane Ltd.
Vice-President	William C. Glass, Partridge-Halliday Ltd.
Secretary	Charles H. Turland, Kipp Kelly Ltd./ Edgar J. Argue, The Anthes Foundry
Treasurer	H. R. Eade, Architect, 5 - 193 Bannatyne Ave.
Governors	John (Jack) B. Steele, Winnipeg School Board Frank B. Thompson, Crane Ltd. E. Fitz Munn, Over & Munn

PRESIDENTIAL PROFILE - D. Fraser Michie II, P. Eng.

See Charter Members Article.

1938 - 39

President	William Worton, C. A. Dunham & Co.
Vice-President	William C. Glass, Partridge-Halliday Ltd.
Secretary	Edgar J. Argue, Anthes Foundry
Treasurer	H. R. Eade, Architect, 5 - 193 Bannatyne Ave.
Governors	D. Fraser Michie, Crane Ltd. Paul L. Charles, Walsh & Charles Ltd. Frank B. Thompson, Crane Ltd.

PRESIDENTIAL PROFILE - Not Available**1939 - 40**

President	George C. Davis, Northern Public Service Cpn.
Vice-President	Paul L. Charles, Walsh & Charles Ltd.
Secretary	Ivan McDonald, Minneapolis Honeywell
Treasurer	H. R. Eade, Architect, 5 - 193 Bannatyne Ave.
Governors	William C. Glass, Partridge-Halliday Ltd. Frank B. Thompson, Crane Ltd. William Worton, C. A. Dunham & Co.

HIGHLIGHTS

A social was held at the Motor Country Club (now restored as Lower Fort Garry) which featured a nine hole golf course followed by an excellent meal, famous for "Popovers" and the bar, was in the basement former cell area, with the unique access of a trap door and ladder.

Some names of members and guests in attendance were Mr. and Mrs. Jack Steele (Winnipeg School Board), Charter Member and our first Chapter President, Bill and Jean Moss (Walter Woods Wholesale), Ivan and Helen McDonald (Minneapolis Honeywell Regulator Co.), and Frank and Marg Chester (W. G. Chester & Son.)

PRESIDENTIAL PROFILE - George C. Davis, P. Eng.

George was born in Winnipeg. His father was a lawyer and Senior Partner of the law firm of Allan, Laird and Davis. George attended Earl Grey Junior High School and Kelvin High School. Upon graduation he went to work with the "Bank" but after a year he decided that this was not for him. He switched his allegiances and entered the University of Manitoba which was then located in downtown Winnipeg across from the present day Legislative Buildings. He was Senior Stick in his last year and graduated in Civil Engineering in 1933.

Having obtained his degree he entered the employ of the Northern Public Service Corporation which operated a company called "The Central Heat". They distributed steam, primarily for space heating, from centrally located plants to their customers through steam mains located in the city boulevards and streets. George started his career "pulling" a thirty-six inch pipe wrench in the steam manholes and eventually rose to be President of the Corporation.

During this period he was instrumental in developing a number of revolutionary aspects in the utilization of steam in Winnipeg. In particular they utilized the spent steam for de-icing major downtown intersections and from this were able to develop data on snow melting.

In 1954 there was a demand in Winnipeg for independent consulting engineers and George left to establish his own business. During his business career he played a major part in bringing to Winnipeg a large fan manufacturing company. He recognized the potential of the pulse combustion process and in 1961 he obtained the rights with his partners to the Pulse -a-matic which was a high performance combustion process.

While George was not a Charter Member of the Chapter, having joined the Society in 1936, he has been a driving force and has always recognized the value of ASHRAE and what it stood for. He served the Manitoba Chapter as President in 1939 and on the Board of Governors in 1940 and 1941.

He again served on the Board in 1950 and 1956, as Vice President in 1954, and is one of the few to serve as Chapter President for the second term in 1955.

His son-in-law David Cross became active in ASHRAE and is a Manitoba Chapter Past President and his granddaughter Sharon is also a mechanical engineer and a member of the Chapter. As one reads the ASHRAE guides of today it is obvious that the people of George's era has a great impact on the direction of our industry.

1940 - 41

President	Paul L. Charles, Walsh & Charles Ltd.
Vice-President	Richard L. C. Kent, Trane Co. of Canada Ltd.
Sec.Treas.	Ivan McDonald, Minneapolis Honeywell Reg.
Governors	Frank L. Chester, W. G. Chester & Son George C. Davis, Northern Public Service Cpn. E. Fritz Munn, Over & Munn

PRESIDENTIAL PROFILE - Not available.

1941 - 42

President	Richard L. C. Kent, Trane Co. of Canada Ltd.
Vice-President	Ivan McDonald, Minneapolis Honeywell Reg.
Sec. Treas.	Frank L. Chester, W. G. Chester & Son
Governors	George C. Davis, Winnipeg Heating Ltd. Paul L. Charles, Walsh & Charles Ltd. William Worton, C. A. Dunham & Co.

PRESIDENTIAL PROFILE - Not available.

1942 - 43

President	Ivan McDonald, Minneapolis Honeywell Reg.
Vice-President	Frank L. Chester, W. G. Chester & Son
Sec.Treas.	Einar Anderson, Vulcan Iron Works Ltd.
Governors	Fred T. Ball, Canadian Fairbanks Morse Co. Ewan M. Hepburn, Empire Brass Manufacturing Richard L. C. Kent, Trane Co. of Canada Ltd.

PRESIDENTIAL PROFILE - Not available.

1943 - 44

President	Frank L. Chester, W. G. Chester & Son
Vice-President	Einar Anderson, Vulcan Iron Works Ltd.

Sec.Treas. Fred T. Ball, Canadian Fairbanks Morse Co.
 Governors Paul L. Charles, Walsh & Charles Ltd.
 Richard L. C. Kent, Trane Co. of Canada Ltd.
 Fraser Michie II, Crane Ltd.

HIGHLIGHTS

Board of Governors meetings were held at the residence of Paul Walsh, 145 Ash Street.

PRESIDENTIAL PROFILE - Frank L. Chester



Frank L. Chester

Frank was born in Winnipeg in 1901 and attended schools here and in Vancouver, where he spent one year in University. He played senior hockey for many years as a member of the Vancouver Native Sons and the Vancouver Nationals.

He started work as a salesman with his father W. G. Chester who was Manager of Clare Bros. In the thirties this company was closed when Winnipeg Paint and Glass took over the operation. Frank then started an agency business with his father called W. G. Chester & Son representing Enamel Heating Products, manufacturers of coal and wood furnaces, Hart and Cooley and Tuttle and Bailey. He also operated Frank Chester Hardware, 950 Main St. In the early forties the Enamel Heating Products line was sold to Walter Woods Ltd. and a partnership selling the Hart & Cooley line was formed with Ernest H. Price called Chester & Price which was located at 179 Bannatyne Ave. On April 1, 1946 the company was sold to Mr. Price who established E. H. Price & Company, later to become the firm of E. H. Price Ltd.

In 1946 Frank was first elected to city council, as alderman for Ward 3, a seat he held until 1950 when, as a Liberal candidate, he was elected to the Manitoba Legislature as a member for Winnipeg North. In 1954 he was appointed Chairman of the Canadian Farm Loan Board, a position he held for six years. He returned to Winnipeg to become District Manager for Investors until his death on August 13, 1966.

He was a former President of the Winnipeg Kiwanis Club and the Winnipeg Retail Merchants Association. Frank served ASHVE as a Governor in 1940, Secretary Treasurer in 1941, Vice President in 1942 and Manitoba Chapter President in 1943. He also served as a Governor in 1944 through 1946.

Frank was married to Margaret, who still resides in Winnipeg. They have one son Ronald.

1944 - 45

President Einar Anderson, Vulcan Iron Works Ltd.
 Vice-President William Glass, Partridge-Halliday
 Sec.Treas. Fred T. Ball, Canadian Fairbanks Morse Co.
 Governors Frank L. Chester, W. G. Chester & Son D.
 Fraser Michie, Crane Ltd.
 Robert E. Moore, Moody & Moore

James R. Stephenson, Stephenson & Perry

PRESIDENTIAL PROFILE - Not available.

1945 - 46

President	Fred T. Ball, Canadian Fairbanks Morse Co.
Vice-President	Robert E. Moore, Moody & Moore
Sec.Treas.	Douglas S. Swain, Trane Co. of Canada Ltd.
Governors	Frank L. Chester, W. G. Chester & Son William Glass, Partridge-Halliday Einar Anderson, Vulcan Iron Works Ltd. James R. Stephenson, J. R. Stephenson Ltd. D. Fraser Michie, Crane Ltd.

PRESIDENTIAL PROFILE - Not available.

1946 - 47

President	Robert E. Moore, Moody & Moore
Vice-President	Douglas S. Swain, Trane Co. of Canada Ltd.
Sec.Treas.	James R. Stephenson, J. R. Stephenson Ltd.
Governors	Einar Anderson, Vulcan Iron Works Ltd. Fred T. Ball, Canadian Fairbanks Morse Co. Frank L. Chester, E. H. Price Ltd. . A. W. (Bill) Moss, Walter Woods Ltd.

PRESIDENTIAL PROFILE - Not Available.

1947 - 48

President	Douglas S. Swain, Trane Co. of Canada Ltd.
Vice-President	James R. Stephenson, J. R. Stephenson. Ltd.
Sec.Treas.	A. W. (Bill) Moss, Walter Woods Ltd.
Governors	John A. Bell, Furnasman Stoker Oscar J. Hatch, Clare Bros. Western Co. Ltd. D. E. Saunders Robert E. Moore, Moody & Moore

PRESIDENTIAL PROFILE - Douglas S. Swain

Doug was born in Winnipeg in 1914, attended local schools and graduated from the University of Manitoba with a Bachelor of Science Degree in Electrical Engineering. He was registered as a professional engineer in Manitoba in 1945.

He entered the employ of Trane Company of Canada Limited, Winnipeg office and spent about the next ten years in design and application of their products. He then worked as a Sales Engineer until he retired.

Doug then worked as a design engineer for MBH Consultants until 1991. He has written several articles for trade magazines covering projects that he has been involved with. He now spends his time in Florida and British Columbia.

Doug joined ASHVE in 1941 and has served the Manitoba Chapter as Secretary Treasurer in 1945, Vice President in 1946, Chapter President in 1947 and on the Board of Governors in 1948 and 1950. He again served on the Board in 1954 and 1956, as Vice President in 1957 and was one of the few members to repeat as Chapter President in 1958, followed by another year on the Board of Governors in 1959. Doug held the post of Chapter Historian from 1983 to 1987 and presented a Chapter History to the 1985 CRC.

1948 - 49

President	James R. Stephenson Sr., J. R. Stephenson Ltd
Vice-President	A. W. (Bill) Moss, Walter Woods Ltd
Sec.Treas.	D. Fraser Michie, J. R. Stephenson Ltd.
Governors	John A. Bell, Sargent Heating & Electric Co. John F. Bertram, Minneapolis Honeywell Co. Paul L. Charles, Walsh & Charles Ltd. Ernest H. Price, E. H. Price Ltd. Douglas S. Swain, Trane Co. of Canada Ltd.

PRESIDENTIAL PROFILE - Not Available.

1949 - 50

President	A. W. (Bill) Moss, Walter Woods Ltd.
Vice-President	D. Fraser Michie, J. R. Stephenson Ltd.
Sec.Treas.	Charles M. Fleming, Fleming Pedlar Ltd.
Governors	John A. Bell, Sargent Electric & Heating Co. John F. Bertram, Minneapolis Honeywell Co. Arthur K. Piercy, Green Blankstein & Russell Ernest H. Price, E. H. Price Ltd. James R. Stephenson Sr., J. R. Stephenson Ltd

HIGHLIGHTS

Bill and Jean Moss travelled to Dallas, Texas, where Bill was the Chapter Delegate for the Society Annual Convention.

An interesting side trip was a tour of a mauseum which was noted for being the first air conditioned facility of this type in the country.

Fifteen to twenty members attended each meeting of the chapter.

A picnic was held at the Moss summer cottage at Moss's Point in the Lake of the Woods.

PRESIDENTIAL PROFILE - A. W. (Bill) Moss



A.W. Moss

Bill was born in Amherst, Nova Scotia on May 20, 1917 where he attended grade school. After graduation he attended Dalhousie University gaining an Engineering Diploma. He then started taking his degree at Nova Scotia Technical College. Since 1933, while in high school and university, Bill had been working summers for Enamel and Heating Products Ltd., a manufacturer of coal and wood stoves and furnaces in Sackville, New Brunswick, and when they asked him to take over their Engineering Department in 1938 he left College to go into full time employment. At that time he designed one of the first steel warm air furnaces in Canada.

In 1940 Enamel and Heating Products moved him to Winnipeg to assist their Agent W. G. Chester & Son Ltd. In 1941 the Enamel and Heating Products Western Branch was sold to Walter Woods Ltd. and Bill was made manager of the plumbing, heating and appliance department and in 1955 became Vice President and General Manager. The company had as many as forty five salesmen selling to contractors and retail outlets. In 1975 Walter Woods Ltd. was sold to the Sumner Company, of Moncton, New Brunswick and in 1979 Bill retired at the age of sixty-two.

There was a firm called Peerless Air Conditioning which has been founded by Gordon Irwin and was operated by Irwin's sons. In 1942 Bill worked with Irwin in the design of a new steel furnace, which became the Prairie Pride Furnace and was sold by Walter Woods Ltd. The furnace was so popular that more production capacity was needed so Moss and Irwin started a factory called Prairie Pride Manufacturing Ltd in a factory on Berry Street in 1943. They purchased their castings from another new firm, Bell Foundry Ltd., which was located in the same block. Hundreds of the Prairie Pride Furnaces were sold by the T. Eaton Co. Ltd. under the trade name "Gem". The company was later sold to Harry Bulloch and his son Don who formed Bullochs Ltd and manufactured furnaces under the trade name "N/FURNO". This company was eventually sold to ICG Utilities and is still in business manufacturing heating equipment.

In 1950, after returning from a holiday in the United States where he noticed that trucks were hauling automobiles from the factories to dealers, Bill found that there were few existing carriers in Canada so he founded East West Transport which was one of the first companies to move automobiles from Oshawa, Ontario to the Manitoba dealers. The company was later sold to Friesen Transport and later became CP Transport. Bill became involved in exotic cattle breeding with Simmentals and in 1974 started the Big Valley Cattle Company. Also in the seventies he was the President of Bird River Minerals Limited, a mining company producing cesium and tantalum.

He is married to Jean. They have three children, one son in Winnipeg, one in Seattle, Washington, and a daughter in Australia. They spend winters in Winnipeg and summers at their cottage at Moss' Point on Lake of the Woods. Bill has been an avid curler, having been a member of

the Granite Curling Club and the Winnipeg Winter Club. He golfed out of the Niakwa Golf and Country Club and has been Commodore of the Clear Water Bay Yacht Club.

Joining ASHVE in 1940 he served as a Governor of the Manitoba Chapter in 1946, as Secretary-Treasurer in 1947, Vice President in 1948 and Chapter President in 1949. He also served on the Board of Governors in 1950 and 1951.

CHAPTER 5 - THE FIFTIES

The decade of the fifties could probably be best described as the time that our chapter came of age. Times were good, the postwar boom was continuing, and consulting mechanical engineering firms were being established. Some of the technology that surfaced at this time was steel furnaces and air conditioning, "Booker" soft coal space heaters, gas fired boilers, copper fin tube radiation, monoflo tees and oil and gas fired warm air furnaces.

The growth of the chapter was continuous. Meetings were still held at the Fort Garry Hotel and most were addressed by technical speakers. Most of the records from this period were unavailable for the production of this history.

1950 - 51

President	Charles M. Fleming, Fleming Pedlar Ltd.
Vice-President	John F. Bertram, Minneapolis Honeywell Co
Sec. Treas.	William J. Atkinson, Wpg Supply & Fuel Co.
Governors	William Adams, Johnson Temperature Regulator Einar Anderson, Vulcan Iron & Engineering George C. Davis, Winnipeg Heating Ltd. Ernest Lambert, Crane Ltd. W. H. McKay, Vulcan Iron & Engineering Ltd. A. W. (Bill) Moss, Walter Woods Ltd. Arthur K. Piercy, Green, Blankstein, Russell Thomas Shiple, Canadian Ice Machine Co. James R. Stephenson Sr., J. R. Stephenson Ltd Douglas S. Swain, Trane Co. of Canada Ltd.

HIGHLIGHTS

On June 1, 1950 the chapter membership was 35 with 3 pending applications.

PRESIDENTIAL PROFILE - Charles M. Fleming

Charlie was born in Scotland and came to Winnipeg in 1907 with his family when he was two years old as his father had obtained a position as professor at Manitoba College. He attended public school at Mulvey School and finished his high school at Kelvin.

He enrolled in the University of Manitoba to study engineering but after two years decided that he was more interested in other fields and entered the employ of the Imperial Bank of Canada in Winnipeg. He was soon transferred to Port Arthur which is now Thunder Bay, Ontario. After a short time he went to work for the Great Lakes Paper Mill. In 1927 he met Ernsie Brisbin who was with Frigidaire and they moved to Winnipeg where Charlie started his career in the refrigeration field by

selling refrigerators door to door for the Frigidaire Division of General Motors. He went on to work for the Bell Refrigeration Company and later joined the Frigidaire Division of Ashdown Hardware where he became manager of their Commercial Division in two years. After eleven years Charlie and fellow salesman Stan Pedlar formed Fleming Pedlar Limited in 1947. The new company operated as refrigeration contractors, first out of 447 Main Street, and later at Wardlaw and Osborne. They built a large facility at 1655 Sargent Avenue and in 1969 moved to their present location at 565 Munroe Avenue.



Charles M. Fleming

In that same year the partners formed Coldstream Refrigerator Manufacturing Ltd., later to become Coldstream Products of Canada Ltd, which continued to operate out of the building on Sargent Avenue. They manufacture grocery display cases for small grocery independents and large food chains and control about seventy five percent of the Western Canadian market. Charlie had unlimited confidence in his own abilities, and his boundless energy and quick mind were instrumental in making Fleming Pedlar Ltd. the largest cooling contractor in Western Canada and in sixteen years Coldstream Products Ltd the largest manufacturer of refrigerated fixtures, panels, display cases and walk-in coolers in Canada. In 1968 he developed galley refrigerators for the Lockheed L1011 Tristar and many were manufactured by Coldstream. He also designed environmental chambers, also made in the same plant. They were installed all over North America and accounted for up to ten percent of the company's output.

In 1972 Charlie accompanied a trade delegation to China where he displayed coolers, freezers and display cases in Peking. At this time he also designed and manufactured prefabricated painted and insulated panels for construction of housing in the north.

In 1973 he was instrumental in the design, manufacture and erection of a prefabricated cold storage warehouse in Havana, Cuba for the storing of fish. He was a member of the Manitoba Club and in 1963 was President of the Canadian Refrigeration and Air Conditioning Contractors Association of Ontario.

He served the Manitoba Chapter of ASHRAE as Secretary Treasurer in 1949, as President in 1950 and on the Board of Governors in 1951 and 1952.

Charlie was married to Myra Browne in 1930 and they had three daughters. He was keenly interested in sailing and in his capacity as Secretary of the Manitoba Sailing Association could be considered the father of sailing in the fifties and sixties in Manitoba, Saskatchewan and Northwestern Ontario.

1951 - 52

President	John F. Bertram, Minneapolis Honeywell Co.
Vice-President	William J. Atkinson, Winnipeg Supply & Fuel
Sec. Treas.	Arthur K. Piercy, Green Blankstein Russell

Governors Einar Anderson, Vulcan Iron & Engineering
 Charles M. Fleming, Fleming Pedlar Ltd.
 Ernest Lambert, Crane Ltd.
 James R. Stephenson Sr., J. R. Stephenson Ltd

PRESIDENTIAL PROFILE - Not available.

1952 - 53

President William J. Atkinson, Winnipeg Supply & Fuel
 Vice-President Arthur K. Piercy, Green Blankstein Russell
 Sec. Treas. Ernest Lambert, Crane Ltd.
 Governors John A. Bell, Sargent Heating & Electric Co.
 John F. Bertram, Minneapolis Honeywell Co.
 Don E. Brace, John Wood Co. Ltd.
 Paul L. Charles, Walsh & Charles Ltd.
 Gordon T. Christie, Alpha Manufacturing Co.
 Charles M. Fleming, Fleming Pedlar Ltd.
 Joseph C. Stangl, Anthes Imperial Co. Ltd.

PRESIDENTIAL PROFILE - William J. Atkinson



William J. Atkinson

Bill was born on a farm near Dinsmore, Saskatchewan where he attended country school and he completed Grade XII at the Dinsmore Consolidated School in 1933. He worked as farm hired hand at Lashburn, Saskatchewan in 1934 and in a timber camp in Tionaga, Ontario in 1935.

Times were very tough so he "rode the rods" to Winnipeg in 1937 and worked at several jobs before starting with Winnipeg Supply & Fuel Company where he sold coal and "Iron Fireman" coal stokers. He became Service Manager in 1940. Many schools and commercial buildings were converted by Bill and the company from hand firing of coal to automatic stokers. Sheas Brewery across from the legislature, Pellisers Brewery on Osborne, Kiewels Brewery in St. Boniface were some of the accounts.

Bill recalls one building, the Lord Nelson School where the low pressure steam boiler was converted from hand coal firing in 1946 to an "Iron Fireman" stoker, then in 1955 to an "Iron Fireman" heavy oil burner, then in 1965 to a Bulloch's "Western Gem" atmospheric natural gas burner and finally in 1978 to an "Industrial Combustion" natural gas power burner.

Bill joined the Canadian Army in 1940 specializing in the artillery. He went overseas in 1942 and to Italy in 1943, eventually ending the war disarming Germans in Holland and organizing a food supply service to the starving Dutch in Rotterdam in the summer of 1945.

In the fall of 1945 he returned to Winnipeg to his former company as manager of the electrical, heating and fuel operations. After the war sales of "Iron Fireman" oil burners flourished, replacing stokers and hand firing of coal, followed in the sixties by natural gas burners replacing oil.

When Winnipeg Supply and Fuel Company was sold in 1972 he resigned to start a new business, Abco Supply and Service Ltd., mechanical and electrical contractors, with four of his executive associates and sixteen of his best electricians, mechanical plumbers, steam fitters and gas fitters. Bill retired from his position as President in 1985.

Bill joined ASHVE in 1946 and served the Manitoba Chapter as Secretary Treasurer in 1950, as Vice President in 1951, and as Chapter President in 1952. He also served on the Board of Governors in 1953.

He lives in Winnipeg with his wife Dorothy, who he married in 1940. They have three daughters, four grandchildren and two great grandchildren.

Bill and Dorothy have been long time summer residents of Pyes Landing, Lake of the Woods. They both sing in the McClure United Church Choir. Bill enjoys golfing, curling as a member of the Granite Curling Club, fishing and vacationing in Honolulu. He is also a regular volunteer driver for "Meals on Wheels" and cancer patients going for treatment.

1953 - 54

President	Arthur K. Piercy, Green Blankstein Russell
Vice-President	John A. Bell, Sargent Electric & Heating Co.
Sec. Treas.	Don E. Brace, John Wood Company Ltd.
Governors	William J. Atkinson, Winnipeg Supply & Fuel John F. Bertram, Minneapolis-Honeywell Reg. Gustave E. Dahlgren, Thorkelsson Ltd. Gordon T. Christie, Alpha Manufacturing Co. Ernest Lambert, Crane Ltd. A. Joseph McIntyre, Vulcan Iron Works Ltd. Harold F. Randall, Randall & Co. Joseph C. Stangl, Anthes Imperial Co. Ltd.

HIGHLIGHTS

Chapter members travelled by bus to Falcon Lake to the annual golf tournament and dinner.

PRESIDENTIAL PROFILE - Arthur K. Piercy, P. Eng.



Arthur K. Piercy

Art Piercy was born in Brooklands, Manitoba and moved with his parents to the Weston District of Winnipeg. He completed his public school education at Daniel McIntyre Collegiate where he was President of the Student Council.

Art played junior hockey for the Portage la Prairie Terriers in the 1934 - 35 season and for the Falcon Rangers in the Winnipeg South Junior Hockey League in the following year. In 1935 he went to work for the Canadian Pacific Railway as a machinist apprentice, primarily to earn money to pay his way through college. In 1937 he entered the University of Manitoba where he studied for three years. He then moved to the University of Saskatchewan, Saskatoon Campus where he graduated in 1942 with a Bachelor of Science degree in Mechanical Engineering.

Art was married to Alice Grimwood on January 16, 1943 and on February 1, 1943 he joined the Royal Canadian Ordnance Corps and later was transferred to the Royal Canadian Electrical and Mechanical Engineers. He was posted overseas in December, 1943 and saw duty in France, Belgium, Holland and Germany. He returned to Winnipeg on January 1st, 1946 and was discharged a month later.

He joined Green Blankstein Russell and Associates as a mechanical designer in 1946 where he worked until 1959. He then went to Alpha Fan Manufacturing Company in Winnipeg who soon moved him to their Calgary office. In 1965 he joined John Stephenson and Associates, Architects, as a mechanical designer until the end of 1966 when he returned to Winnipeg to take a position with the Department of Public Works. In 1968 he was transferred to Ottawa where he worked in mechanical design until he retired in 1982.

Art is a member of the Association of Professional Engineers in Manitoba, Alberta and Ontario. He is also a member of the Masons, Scottish Rite and Shriners. He joined ASHVE in 1947 and served the Manitoba Chapter on the Board of Governors in 1949 and 1950, as Secretary Treasurer in 1951, as Vice President in 1952 and as Chapter President in 1953. He again served as a Governor in 1954, 1955, 1956, and 1957. He was Program Chairman in 1959.

His wife Alice passed away seven years ago. Art lives in his condominium in Calgary, Alberta. He has two sons in Calgary, one is a dentist and one is a chartered accountant. He still has his cottage at Lac Lu, Ontario and enjoys his summers there.

1954 - 55

President	Gordon T. Christie, Alpha Manufacturing Co.
Vice-President	George C. Davis, 212 Waverley St.
Sec.Treas.	A. Joseph McIntyre, Vulcan Iron Works Ltd.
Governors	John A. Bell, Sargent Heating & Electric Co. Robert G. Cawker, Alpha Manufacturing Co. Ltd Paul L. Charles, Walsh & Charles Ltd. Russell M. Fraser, Fleming Pedlar Ltd. Arthur K. Piercy, Green Blankstein Russell Harold F. Randall, Randall & Co. Joseph C. Stangl, Anthes-Imperial Co. Ltd. Douglas S. Swain, Trane Co. of Canada Ltd.

PRESIDENTIAL PROFILE - Gordon T. Christie, P. Eng.

Gord was born in Winnipeg at St. Boniface Hospital and attended Queenston and Robert H. Smith Schools. He graduated from Kelvin Technical High School and entered the University of Manitoba, Broadway Division.

He was there for a year when he took a sabbatical to join the Royal Canadian Air Force in World War II. He received his commission as a P/O Navigator just prior to the end of the war. He returned to Winnipeg and in 1949 graduated from the University of Manitoba with a Bachelor of Science Degree in Mechanical Engineering.

Gord went to work for Burndy Ltd. in Toronto, Ontario as an industrial engineer when they set up manufacturing operations for electrical connectors. After a year he returned to Winnipeg to the

employ of Alpha Manufacturing Co. Ltd. for his initiation into the making of fans. He was their first engineer, working his way up to Chief Engineer and then Sales Manager.

In 1959 Gord founded Chicago Blower Canada Ltd. in 6,000 square feet of space on Wall St. In 1961 the company moved to a new plant at their present location at 901 Regent Avenue. In 1982 the company became CML Northern Blower Inc. and operates from the same facility with Gord as President and Chief Executive Officer.

Gord became a member of ASHVE in 1952 and is a Life Member of ASHRAE. He served the Manitoba Chapter on the Board of Governors in 1952 and 1953 and was Chapter President in 1954. He again served as a Governor in 1955, 1956, 1957, and 1964.

Gord and his wife Joyce have one son Wes, who is the General Manager of CML Northern Blower Inc. Gord personally enjoys designing fan products that meet a need.

1955-56

President	George C. Davis, Davis Industrial Services
Vice-President	A. Joseph McIntyre, Vulcan Iron Works
Sec. Treas.	Andrew H. Millar, Walsh & Charles Ltd.
Governors	George A. Blackwell, Kipp Kelly Ltd. Robert G. Cawker, Alpha Manufacturing Co.Ltd. Gordon T. Christie, Alpha Manufacturing Co. Russell M. Fraser, Fleming Pedlar Ltd. John J. MacKenzie, Bowyer-Boag Ltd. Arthur K. Piercy, Green Blankstein Russell Harold F. Randall, Randall & Co. Joseph C. Stangl, Anthes-Imperial Co. Ltd. James R. Stephenson, J. R. Stephenson Co. Ltd

HIGHLIGHTS

The Society and the Manitoba Chapter changed their names from the American Society of Ventilating Engineers to American Society of Heating and Air Conditioning Engineers.

The January 31st meeting was addressed by Donald Wylie, Marley Canadian Limited, Toronto, Ontario on the topic "Cooling Towers".

PRESIDENTIAL PROFILE - George C. Davis, P. Eng.

George Davis was also Chapter President in 1939. His story appears in that year.

1956 - 57

President	Andrew H. Millar, Walsh & Charles Ltd.
Vice-President	Harold F. Randall, Randall & Co. Ltd.
Sec. Treas.	Russell M. Fraser, Fleming Pedlar Ltd.
Governors	W. Lloyd Algie, Crane Assc. Gordon T. Christie, Alpha Manufacturing Co.

George C. Davis, 212 Waverley St.
 William D. Fraser, Moody & Moore, Architects
 Nels B. Jorgenson, Alpha Manufacturing Co.
 John J. MacKenzie, Bowyer-Boag Ltd.
 Kenneth J. McCartney, W. S. Buchanan Ltd.
 Arthur K. Piercy, Green Blankstein Russell
 James R. Stephenson, J. R. Stephenson Ltd.
 Douglas S. Swain, Trane Co. of Canada Ltd.

HIGHLIGHTS

Manitoba Chapter, along with all the other Canadian chapters, was assigned to Region VII in a general organization of chapters. The Society had 10,500 members and 70 chapters, with Manitoba Chapter having 44 members.

On December 1st, 1956 Harold F. Randall presented the chapter with a brass bell to be used to bring chapter meetings to order. (See article on Chapter Bell.)

On March 28th B. E. Judges, Refrigeration Department, Trane Company of Canada Limited, Toronto, Ont. spoke to the chapter on the topic "Refrigeration for Air Conditioning".

The April 27th meeting was addressed by Peter E. Sinnot of the B. F. Sturtevant Company, Galt, Ontario on the topic "Mechanical versus Electrostatic Air Cleaners".

PRESIDENTIAL PROFILE - Andrew H. Millar



Andrew H. Millar

Andy was born in Winnipeg and went to school in Scotland and Winnipeg and completed his education at St. Johns High School.

He joined the trades as an apprentice steam fitter and one of the first companies he worked for was Cotter Bros. He recalls that he also did a lot of work for George Davis and his Northern Public Service, the central heating system in River Heights that later became Winnipeg Central Heating Co. After becoming a steam fitter Andy became a foreman for William Glass at Partridge Halliday. During the war they were very busy and worked on many central steam systems in the Commonwealth Air Bases that were scattered across the Prairies.

In 1946 Andy went to work for Walsh and Charles Ltd., who were manufacturers agents in Winnipeg. One of their large lines was Powers Regulator, and Andy went to Chicago by train in 1947 to attend a Powers training course in automatic temperature controls. He eventually became Vice President and Sales Manager of Walsh and Charles. He recalls his first big project was Tech Voc School and that some of the other ones were Winnipeg Post Office, St. Boniface Hospital, Sears at Polo Park and the Manitoba Telephone System Building on Portage Avenue.

Powers Regulator Company decided to establish their own branch in Winnipeg in 1960 and Andy became the Branch Manager. The next decade was a very busy one and he had as many as six sales and design engineers working for him. Andy retired in 1970 at the age of sixty, but stayed on in a consultative role until he was sixty five.

In 1974 the Mechanical Contractors Association of Manitoba and the Association of Plumbers and Steamfitters set up the Piping Industry Trust Fund and Andy was elected Chairman of the Board and Chief Executive Officer, a position that he holds to this day. The Trust Fund administers the health and welfare programs for tradesmen.

He is a life member of the United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry. Andy is a member of Northwest Commercial Travellers Association and a past member of the Rotary Club, West Winnipeg Chapter. He joined ASHRAE in 1955 and served the Manitoba Chapter as Secretary Treasurer in 1955, President in 1956 and on the Board of Governors in 1957.

Andy is married and has two daughters who live in Toronto, one is an architect and one is an management consultant. He is a reader and is interested in history, sociology and politics. In the summer he enjoys his cottage at Matlock, in the Village of Donatar, on the shore of Lake Winnipeg.

1957 - 58

President	Russell M. Fraser, Fleming Pedlar Ltd.
Vice-President	Douglas S. Swain, Trane Co. of Canada Ltd.
Secretary	John J. MacKenzie, Bowyer-Boag Ltd. W. Lloyd Algie, Crane Assc.
Treasurer	Kenneth J. McCartney, W. S. Buchanan Ltd.
Governors	Gordon T. Christie, Chicago Blower (Can.) Ltd William D. Fraser, H. F. Clarke Ltd. Stanley Hayden, Crowther MacKay & Assc. Ltd. Nels B. Jorgenson, Alpha Manufacturing Co. Andrew H. Millar, Powers Regulator Co. Arthur K. Piercy, Green Blankstein Russell

HIGHLIGHTS

W. G. (Bill) Hole, Region II Director from Montreal attended the October 24th chapter meeting and addressed the members.

PRESIDENTIAL PROFILE - Not available.

1958 - 59

President	Douglas S. Swain, Trane Co. of Canada Ltd.
Vice-President	W. Lloyd Algie, Warden King Ltd.
Secretary	Hugh R. Skinner, Canadian National Railways
Treasurer	Fred J. Lindenschmidt, Alpha Manufacturing
Governors	Alan Leiterman, Honeywell Controls Ltd. John L. Greer, W. L. Wardrop Assc.

Stanley Hayden, Crowther McKay & Assc.
Kenneth J. McCartney, Darling Bros.

HIGHLIGHTS

Alan Leiterman was appointed as Program Chairman. Chapter meetings were held at the Fort Garry Hotel on the 4th Thursday of the month.

PRESIDENTIAL PROFILE - Douglas Swain, P. Eng.

Doug Swain was also President in 1947 where his biography appears.

1959 - 60

President	W. Lloyd Algie, Warden King Ltd./ Nels B. Jorgenson, Alpha Manufacturing
Vice-President	Hugh R. Skinner, Canadian National Railways
Secretary	Alan Leiterman, Honeywell Controls Ltd.
Treasurer	Fred J. Lindenschmidt, Chicago Blower Can.
Governors	Arthur K. Piercy, Alpha Manufacturing John L. Greer, W. L. Wardrop & Assc. Stanley Hayden, Crowther MacKay & Assc. Douglas S. Swain, Trane Co. of Canada

HIGHLIGHTS

Art Piercy was appointed Program Chairman.

Society Regions were reorganized and Manitoba Chapter was moved to Region II, with Toronto now our closest neighbor.

The Society and the Manitoba Chapter changed their name from American Society of Heating and Air-Conditioning Engineers to American Society of Heating Refrigeration and Air- Conditioning Engineers.

CHAPTER 6 - THE SIXTIES

This was a **time** of tremendous growth and change. Our industry was changing too. In our town the Winnipeg Central Heating Plant closed and hundreds of residences had to install their own heating systems.

Some new developments were copper tube boilers and water heaters, commercial water heater rental program, "Pulsomatic" condensing boilers, variable volume air control, packaged air conditioning and centrifugal chillers.

1960 - 61

President	Hugh R. Skinner, Canadian National Railways
Vice-President	Alan M. Leiterman, Honeywell Controls
Secretary	W. Frederiksen, Alpha Manufacturing
Treasurer	David J. Wooley, Northwest Wholesale Co.

HIGHLIGHTS

Committee Chairmen were:

Program	Dave Wooley
Membership	Al Leiterman

PRESIDENTIAL PROFILE - Not available.

1961 - 62

President	Alan M. Leiterman, Honeywell Controls Ltd.
Vice-President	Kenneth J. McCartney, General Equipment Ltd.
Secretary	David J. Wooley, Northwest Wholesale Co.
Treasurer	Robert R. Beattie, Ward & MacDonald
Governors	G. R. (Bob) Fownes, Johnson Controls Ltd.

HIGHLIGHTS

Bob Fownes was appointed Program Chairman.

Meetings were announced to the membership by mailing a meeting notice by the Secretary.

Chapter dues were \$15.00 for the year, guest's dinners were \$3.50 each and refreshments were \$0.50 each.

Chapter Bylaws were updated and adopted by the membership. Membership stood at 92, with 11 applications to be processed

Manitoba Chapter donated \$50.00 in start up funds to the committee working to form the new Saskatchewan Chapter.

G. H. Weldon, Manitoba Hydro spoke to the November 23rd meeting on the topic "Electric Heating", and Professor R. E. Chant introduced the three student winners of the chapter competition for the best paper submitted on Mechanical Engineering at the University of Manitoba.

The Annual Christmas Social was held on December 13th, 1961 at Chan's Exotic Moon Room where a Buffet Oriental/Occidental Dinner was enjoyed. Dancing and refreshments were featured and the cost was \$7.50 per couple. Organizers were Bob Fownes and Ken McCartney.

The January meeting was addressed by Franz B. Kurth, Anemostat Corporation of America on the topic "Recent Developments in High Velocity Air Conditioning Systems".

On February 22nd the meeting was attended by John H. Ross, Region II Director and it was addressed by Don Parkinson and R. Wood, S. A. Armstrong Limited who spoke on "Hydronics-Monoflo Systems and Centrifugal Water Pumps".

Ken McCartney, Delegate and Dave Wooley, Alternate attended the March 22nd, 1962 CRC at the Park Plaza Hotel in Toronto, Ont.

The April 26th meeting was addressed by T. O. Peterson, President of Investors Syndicate of Canada Ltd. on the subject "Manitoba Tomorrow".

PRESIDENTIAL PROFILE - Not available.

1962 - 63

President	Kenneth J. McCartney, General Equipment Ltd.
Vice-President	Robert R. Beattie, Ward & MacDonald
Secretary	David J. Wooley, Northwest Wholesale Co.
Treasurer	G. R. (Bob) Fownes, Johnson Controls Ltd.
Governors	James Hotchkiss, Smith Carter Searle & Assc. Kenneth B. Watson, Green Blankstein Russell

HIGHLIGHTS

Committee Chairmen were:

Program	Jim Hotchkiss
Membership	Ken Watson

Board meetings were held at Rae & Jerry's Restaurant.

Russ Fraser chaired the scholarship fund. Members were asked to donate three copies of the ASHRAE Guide and Data Book as scholarship prizes.

On September 5th the board passed a resolution that meetings be continued to be held at the Fort Garry Hotel with a reception at 5:30 PM and Dinner at 6:30 on the third Thursday of each month. A change from the fourth Thursday brought the meeting nights of the Prairie chapters into the same week.

Chapter dues were not collected as such, however a prepayment program was \$15.00 for six meals with guests being charged \$3.50. Refreshments were sold for \$.50 each.

Saskatchewan Chapter was formed in Regina, resulting in the loss of Society assigned members, dropping our membership to 78. They held their charter night on March 22, 1963 and many Manitoba Chapter members attended. John H. Ross, Director, Region II, donated "The Ross Trophy" which is inscribed "For Annual Curling Competition Among the Prairie Chapters of ASHRAE" on March 6th. Jim Hotchkiss was appointed the committee member for the Manitoba Chapter. (See John Ross Trophy article.)

Jim Fullerton, Handy & Harman Limited, Montreal spoke to the October 18th meeting on the topic "Silver Brazing Alloys".

The annual Christmas Party was held on December 11th at Vasa Lund Park and featured a smorgasbord dinner and dancing, tickets were \$7.00 per couple, refreshments four for \$1.00.

Ken McCartney was transferred by his employer General Equipment Ltd to their office in Calgary.

The speaker for the February 21st meeting was W. H. Reid, Trane Co. of Canada Ltd. on the topic "Fans For Comfort Air Conditioning".

Harold E. Straub, Titus Manufacturing Corporation spoke to the March 21st meeting on "Principles of Room Air Distribution".

The guest speaker for the April 18th meeting was Frank Guenther, Vibro Accoustics Division, Douglas Engineering Co. Ltd. on the subject "Accoustical and Noise Consideration in Mechanical Design and Installation".

Dave Wooley, Delegate and Bob Beattie, Alternate attended the Alberta CRC held on May 3, 1963 at Banff, Alta.

A Golf Tournament, Dinner and Dance was held on May 30, 1963 at the Wildewood Club. Tickets for the event were \$3.50 per person with refreshments at cost. Organizer - Herb Sage.

PRESIDENTIAL PROFILE - Not Available.

1963 - 64

President	Robert R. Beattie, Ward & MacDonald Assc.
Vice-President	David Wooley, Northwest Wholesale Co.
Secretary	G. R. (Bob) Fownes, Johnson Controls Ltd.
Treasurer	James Hotchkiss, E. H. Price Ltd.
Governors	Kenneth B. Watson, Green Blankstein Russell David Ward, Dominion Bridge Co. Ltd.

Andrew H. Millar, Powers Regulator Ltd.
Alan M. Leiterman, Honeywell Controls Ltd.

HIGHLIGHTS

Committees responsible to Dave Ward were:

Program	Donald T. Leitch
Special Events	Herb Sage
Publicity	Dave Eckmire

Committees responsible to Ken Watson were:

Membership & Upgrading	John Greenaway
Attendance & Reception	Ken Coad
House	John Martin

Committees responsible to Andy Millar were:

Technical & University	Hugh Skinner
Engineering Society Liaison	Herb Sage
1965 Region II Convention	Russell M. Fraser

Board of Governors meetings were held at Rae & Jerry's Restaurant.

The October 24th meeting was a panel discussion on the topic "Electric Heat -Will Your Business Benefit". The panel consisted of Sam Bryson and Reg Smith, Manitoba Hydro, Al Harrison,(warm air), Acme Heating & Supply Co., Jack Wooley, City Hydro and Arnold Wright, Electric Inspector with the Metro Corporation of Winnipeg and Bert Anderson, Etna Commercial Ltd. represented the mechanical contractors. The concern of the time was whether design and installation of electric heating systems should be in the mechanical or electrical domain.

The October meeting was also attended by John Ross, Region II Director who was on his annual fall tour of the prairie chapters. He told the members that more Canadians were on National Committees of ASHRAE than ever before.

The board purchased 2 1/2" round buttons for the members to wear at meetings.

Sam Takoucki, Airmaster Sales Ltd., who represent Selkirk Metal Chimney Ltd. spoke to the November meeting on the topic "Do's and Don'ts of Flue Venting".

The Annual Christmas Carper was held at Vasa Lund on December 11th and featured a smorgasbord and dance.

The January 23rd meeting was a tour of the mechanical systems in the new Winnipeg International Airport preceded by a prime rib dinner in their banquet rooms.

University of Manitoba received Research Grant RP-48 Adiabatic Absorption Processes, a "non-project" funding of \$1,500.00 for studies and development of thesis.

Bob Fownes, Delegate and Ken Watson, Alternate attended the May 7th Region II CRC in Ottawa.

PRESIDENTIAL PROFILE - Not available.

1964 - 65

President	David Wooley, Northwest Wholesale Ltd.
Vice-President	G. R. (Bob) Fownes, Johnson Controls
Secretary	James Hotchkiss, E. H. Price Ltd.
Treasurer	Kenneth B. Watson, Durall Ltd.
Governors	David Ward, Dominion Bridge Co. Ltd. Kenneth L. Coad, Toole Plumbing & Heating Gordon T. Christie, Chicago Blower Ltd.
Past President	Robert R. Beattie, Emco Limited

HIGHLIGHTS

The chapter constitution and bylaws were updated as requested by Society.

The October meeting was addressed by Mr Tom Breen, Director, Alcoholism Foundation of Manitoba on the topic "Alcoholism and Business".

In November Otho E. Ulrich, Armstrong Machine Works spoke on "Humidification of Air Handling Systems - Why & How ?"

The December Christmas Party was held at the Winnipeg Badminton Club with an attendance of 86 persons.

At the January meeting Bud Hohohan, Manager of the Canadian National Hockey team spoke on "World Championships -Finland".

In February Jim Pettie, Director of Engineering, Manitoba Hydro gave an illustrated talk on "Nelson River as a Power Project".

The March meeting was addressed by Mr. E. J. Smith, Smith Carter Searle & Assc. on the development of the "Arts Centre for the City of Winnipeg. Scholarship awards were also presented to students from the University of Manitoba.

In April Dr. L. O. Bradley, executive Director of the Winnipeg General Hospital gave a talk on "Hospital Planning and it's Various Problems".

Local membership was at 48 with an average attendance at meetings of 31, including guests.

Meetings were held at the Fort Garry Hotel were meals cost \$3.00 and drinks at the Hotel operated bar cost \$.50 each, membership dues included six dinners and were \$20.00.

The Chapter hosted the Region II Chapters Regional Conference on May 6 & 7, 1965, with the conference theme being "Changing Concepts in an Era of Change". (See article entitled 1965 Chapter's Regional Conference).

PRESIDENTIAL PROFILE - Not available.

1965 - 66

President	G. R. (Bob) Fownes, Johnson Controls
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Vice-President James Hotchkiss, E. H. Price Ltd.
Secretary Kenneth B. Watson, Frank E. Simmons Ltd.
Treasurer David Ward, Dominion Bridge Co. Ltd.
Governors Kenneth L. Coad, Toole Plumbing & Heating Ltd
Carl W. Schwarz, Mechanical Consultants Western
Gordon G. Mitchell, Ward & MacDonald
Past President David J. Wooley, Northwest Wholesale Co.

HIGHLIGHTS

Committees responsible to C. W. Schwarz were:
Program Frank Burshstein and Bert Anderson
Special Events George Bellamy.

Committees responsible to Ken Coad were:
Membership Walter Gowan and Dave Cross.

Committees responsible to Gord Mitchell were:
Technical Hugh Skinner.

The chapter meetings were held at the Fort Garry Hotel, seventh floor where a cost for dinners was negotiated at \$3.00 per setting plus 10% gratuity.

Circular name tags were done away with and pocket name cards were used. Members were fined \$.25 for not wearing a name tag.

The board purchased a banner bearing the lettering "Manitoba Chapter" for display at all meetings.

Anthony D'Arcy of Continental Air Filter Co., Los Angeles, Ca. spoke to the October 21st meeting on the topic "Selecting and Specifying the Right Air Filter".

By November 2nd the Membership Committee advised the Board that 56 members had paid their annual dues with 23 more promising to pay, making a total of 79 members.

PRESIDENTIAL PROFILE - G. Robert C. Fownes, P. Eng.



G. Robert C. Fownes

Bob was born in Moncton, New Brunswick on February 13, 1919 and graduated from Moncton High School in 1937. He graduated from the University of New Brunswick in 1949 with a Bachelor of Science degree in Electrical Engineering and obtained a degree in Business Administration from the University of Western Ontario in 1950.

He worked for Frigidaire Products from 1950 until he joined Johnson Controls Ltd. in 1956. With Johnson he was employed in sales in Toronto, as Branch Manager in the Winnipeg and Montreal offices, and as Director of Manufacturing in Toronto. He retired in 1982 and returned to his home town of Moncton.

Bob served the Manitoba Chapter on the Board of Governors in 1961, as Treasurer in 1962, Secretary in 1963, Vice President in 1964 and as Chapter President in 1965. He attended the 1964 CRC

as Chapter Delegate in 1964 and was the General Chairman for the Chapter hosted 1965 CRC held in Winnipeg.

Bob and his wife Marion have fond memories of Winnipeg and the Manitoba Chapter members. Marion was treasurer of Engineers' Wives and still keeps in touch with some of the members. They have three children, Dr. Douglas Fownes, Fond du Lac, Wisconsin, Mrs. Donna Quinton and Dr. David Fownes, both of Point Claire, Quebec.

Bob is an avid sportsman, particularly enjoying hunting. He recalls duck hunting with George Currie, who was with Smith Carter Searle, at his camp at Delta Marsh and bird hunting with Ray Scouten of Scouten Mitchell Sigurdson at Jackknife Lake and around Minnedosa.

1966 - 67

President	Jack W. Stephens, Airmaster Sales Ltd.
Vice-President	Kenneth B. Watson, F. E. Simmons Co. Ltd.
Secretary	Kenneth L. Coad, Toole Plumbing & Heating Co.
Treasurer	Gordon G. Mitchell, Ward & MacDonald
Governors	Herb C. Sage, Honeywell Controls Ltd. Frank Burshstein, Durall Ltd. John Martin, Mechanical Consultants Western
Past President	G. R. (Bob) Fownes, Johnson Controls Ltd.

HIGHLIGHTS

Committees were structured as follows;

Program	John Martin, G. Bellamy, Tom Patteson
Membership	Frank Burshstein
Reception	J. Marcock
Attendance	Dave Cross
Technical	Herb Sage, Hy Dashevsky
Nominating	Dave Wooley, Bob Beattie, Doug Swain

Board of Governors met at the Winnipeg Flying Club, and annual dues were pegged at \$25.00 (dinners included).

The chapter held a golf tournament at Elmhurst Golf Club on September 23rd, followed by a dinner and dance. Tickets, not including green fees, were \$9.00 with refreshments at 3 for \$1.00 and dancing was to the Bud Renton Orchestra.

November program was a tour of Atomic Energy Plant in Pinawa, Manitoba with 35 members making the bus trip.

Dec 2, the Annual Xmas Party was held at the Desert Sands, 2523 Portage Ave., featured an orchestra and smorgasbord and tickets were \$10.00 per couple and could be picked up from Jack Stephens, Herb Sage, Ken Coad or Ken Halipchuk.

The January meeting featured a panel discussion on the topic " Union - Management Relations".

Moderator: W. H. Mitchell, Scouten Mitchell Sigurdson & Assoc.

Panelists D. Knight, Local 254 Plumbers & Steamfitters
Art W. Miller, Easton Plumbing, Mech Contractor
F. Burshstein, Durall Ltd., Mech Contractor
Sidney Green, M.L.A., Inkster Riding.

Lee Zoeckler, A. O. Smith Corporation spoke to the February 27th meeting on the subject "Multiple Boilers with Primary - Secondary Pumping".

March 27th meeting was a panel discussion on "Bankruptcies and How They Affect Our Industry".

Moderator Jack Patterson, Johnson Controls Ltd,
Panelists H. Vannan, Canadian Indemnity Co.
A. Peterson, Canadian Credit Men's Trust
W. Eger, Emco Supply
J. Lawrie, Bird Construction Co. Ltd.

PRESIDENTIAL PROFILE - Not available.

1967 - 68

President Kenneth B. Watson, Scouten Mitchell Sigurdson & Assoc.
Vice-President Kenneth L. Coad, Toole Plumbing & Heating Co
Secretary Gordon G. Mitchell, Ward & MacDonald
Treasurer Herb C. Sage, Honeywell Controls Ltd
Governors Frank Burshstein, Durall Ltd
Gerry Kendall, Green Blankstein & Russell
Norman Blaine, Lennox Industries Ltd
Past President Jack W. Stephens, Airmaster Sales Ltd

HIGHLIGHTS

Committee Chairman for the year were:

Program Norman Blaine
Membership Frank Burshstein
Roster Bruce Menlove
Technical Gerry Kendall
Attendance Arnold Floyd
Special Events Ken Halipchuk
Manpower Development Jack Patterson

The September 20th Chapter meeting was an educational field trip to tour the Labatts Brewery, and the November. 23rd was a tour of Chicago Blower (Canada).

H. Laube, Singer Climate Control - Remington Division spoke to the October 19th meeting on decentralized air conditioning and heating systems.

The Annual Christmas Dinner and Dance was held on December 1st at the Westwood Village Inn and was a great success.

Stan Bedmarz, Thermal Tank Division of Krueger Manufacturing Ltd. addressed the February 22nd meeting on "High Velocity Terminal Boxes".

Ken Watson, President had to inform the Calgary Chapter that Manitoba Chapter would be unable to field a rink for the John Ross Curling Tournament.

March 21st meeting related to Manpower Development with guest speakers A. J. Buhr, Director of Vocational Schools, Department of Education and C. Grant Shepherd, Apprentice Supervisor, Department of Labor. Also present was Percy Butler, Region II Chairman and Len Winder, Director, Mechanical Contractors Association of Manitoba.

CRC Delegate and Alternate Ken Coad and Gord Mitchell attended the Region II conference in Edmonton, Alta.

PRESIDENTIAL PROFILE - Kenneth B. Watson



Kenneth B. Watson

Ken was born in Winnipeg in 1932 and in 1949 graduated from Kelvin High School with Grade XII University Entrance. His first position was a office boy at Moody Moore and Partners and there, under the guidance of W. D. (Bill) Fraser, he got into the field of mechanical drafting. In 1959 he went to work for Bill Mitchell at Green Blankstein Russell Associates as a plumbing designer, until 1964 when he went to work for Durall Limited, mechanical contractors, where he was project and layout co-ordinator.

In 1966 Ken went to work for Frank E. Simmons Limited, mechanical contractors, as estimator and project co-ordinator. In 1976 he obtained employment in the plumbing department at Scouten Mitchell Sigurdson & Associates Limited where he was responsible for design and specifications, and worked on some major projects which include Victoria General Hospital, Seven Oaks Hospital and Maples School Complex among others.

Ken joined S & M Plumbing & Heating Company Limited in 1978 as estimator and project co-ordinator and in 1980 opened an office with this company in Calgary as branch manager, where he handled all phases of mechanical contracting on commercial projects in the half to million dollar range.

He returned to Winnipeg and Scouten Mitchell Sigurdson & Associates Limited in 1984 where he is responsible for project co-ordination, design and specifications for plumbing, piping and fire protection systems for projects.

Ken joined ASHRAE in 1955. He served as Membership Committee Chairman in 1962, Governor in 1963 responsible for Membership and Upgrading, Reception and House Committees, Treasurer in 1964, Secretary in 1965, Vice President in 1966 and Chapter President in 1967. He served on the Nominating Committee in 1968. Ken attended the 1964 CRC in Ottawa as alternate and acted as backup to Bob Fownes, the General Chairman of the Winnipeg hosted 1965 CRC.

Ken is married to Alice and they have three sons. He enjoys reading and his major interests are science and mathematics.

1968 - 69

- President Kenneth L. Coad, Ballard Enterprises Ltd
- Vice-President Gordon G. Mitchell, Ward & MacDonald
- Secretary Herb C. Sage, Honeywell Controls
- Treasurer Frank Burshstein, Durall Ltd
- Governors Norman R. Blaine, Lennox Industries Ltd
Gerry R. Kendall, Reid Crowther & Partners
- Past President Kenneth B. Watson, Scouten Mitchell Sigurdson

HIGHLIGHTS

Committee Chairman were:

- Membership Al Roy
- Attendance Bill Easton, Ken Scott
- Manpower Development Gerry Kendall
- Program and Special Events Bruce Menlove, A. C. Floyd
- Recreation Bill Easton
- Nominating Bob Beattie, Al Roy, Jack Stevens, and Ken Watson

Chapter dues remained at \$25.00 including meals.

Board of Governors meetings were held at the Winnipeg Flying Club.

The Board established a \$100.00 scholarship fund to be awarded to a first year student taking the Heating and Ventilation option at the Manitoba Institute of Technology.

The chapter roster listed 34 student members from the Manitoba Institute of Technology.

The Christmas Dinner Dance was held on December 14th at the Village Inn Motor Hotel.

J. Keene, York Division, Borg Warner Corporation spoke to the February 20th meeting on "Thermoelectric Refrigeration".



Kenneth L. Coad

Guest speaker for the April 24th meeting was Dave Ekmire, Ballard Enterprises, who was the Mechanical Contractor for the Katunayake Air Terminal Building, Colombo, Ceylon.

Attendance had been so poor the board decided to change the traditional dinner dance to a stag after the May 15th golf tournament. Winners, Low Gross - Tom Hood, Low Net - Ian Campbell.

PRESIDENTIAL PROFILE - Not available.

1969 - 70

President	Gordon G. Mitchell, Ward MacDonald & Partners
Vice-President	Herbert C. Sage, Honeywell Controls Ltd.
Secretary	Frank Burshstein, Durall Ltd.
Treasurer	Kenneth L. Coad, Moody Moore & Assc.
Governors	Norman R. Blaine, Lennox Industries Can. Ltd. Gerry R. Kendall, Reid Crowther & Partners Bruce Menlove, Mills Supply Ltd.
Past President	Kenneth L. Coad, Moody Moore & Assc.

HIGHLIGHTS

Board meetings were held at the Winnipeg Flying Club.

A trap shoot was organized by Jim Hotchkiss to be held at the Winnipeg Trap and Skeet Club on September 17th.

The October 16th meeting was held at the Viking Motor Hotel, Gimli, Manitoba followed by a tour of the new continuous distilling facilities, kegging and warehouseing facilities at Calvert of Canada Ltd.

The Nov. 21st meeting was addressed by John Lawry, Bird Construction Co. Ltd. on contemporary concepts in construction management, followed by a tour of the central air conditioning system for the new Manitoba Centennial Centre -Tour Guide -Gerry Kendall, Green Blankstein Russell.

A curling bonspiel was held in December in lieu of a meeting.

On January 22nd F. L. Nicholson, Metro Corporation of Greater Winnipeg spoke on plumbing codes and fire regulations.

The Chapter was host on May 6, 7 and 8th of the Region II Chapters Regional Conference held at the Fort Garry Hotel. (See article entitled 1970 Chapters Regional Conference).

PRESIDENTIAL PROFILE - Not available.

CHAPTER 7 - THE SEVENTIES

The seventies were an era of refinement and further expansion of our industry. For the first time we experienced an energy crisis and heard experts express concerns about depletion of our non renewable resources. In Manitoba we had a natural gas embargo on new construction and this spurred the growth of electric space heating and sparked renewed interest in solar collectors and systems. Rising energy costs also caused designers to consider heat pumps, heat recovery loops and air to air heat exchangers.

1970 - 71

President	Herbert C. Sage, Honeywell Controls Ltd.
Vice-President	Frank Burshstein, Durall Ltd.
Secretary	Kenneth L. Coad, Moody Moore & Assc.
Treasurer	Norman R. Blaine, Lennox Industries Can. Ltd.
Governors	Gerry R. Kendall, Reid Crowther & Partners Bruce P. Menlove, Mills Supply Ltd. Thomas E. Patteson, Powers Regulator Co. Ronald T. Seepish, Smith Carter Parkin
Past President	Gordon G. Mitchell, Ward MacDonald & Partners

HIGHLIGHTS

Committee Chairmen were:

2nd Vice President	Gerry Kendall
Manpower	Bruce Menlove
Membership	Tom Patteson
Program	Ron Seepish

Board of Governors met at the Frank Burshstein residence on June 3rd to plan the years activities.

The chapter had an enrollment of 38 student members from the Manitoba Institute of Technology.

The November 18th meeting was a tour of the Carter Temro Ltd. plant, who were testing a new line of electric baseboard heaters.

The board approved a bursary to be given to a 4th term Mechanical Technology student at Red River Community College.

The chapter hosted the John Ross Curling Competition with the Curling Committee being George Currie, Jim Hotchkiss, Gerry Kendall and Bob Bird.

Russ Fraser, Success Motivation Institute, spoke to the May 20th meeting on the topic "leadership Needs Today". Russ was Chapter President in 1957.

The annual Spring Golf Tournament was held on June 17th at Breezy Bend Golf Club, followed by a dinner.

PRESIDENTIAL PROFILE - Herbert C. Sage, P. Eng.



Herbert C. Sage

Herb was born in Grace Hospital on Arlington St. in Winnipeg and as a very young person explored Manitoba, living for short periods in Petersfield, Carman, Clearwater, Cypress River and West Kildonan before the family settled in Fort William, now Thunder Bay, Ontario. After graduating from Fort William Collegiate he enrolled on Engineering at Lakehead University, and later transferred to University of Manitoba where he obtained his Bachelor of Science Degree in Mechanical Engineering in 1958.

Herb joined Honeywell Controls Ltd. in 1958 after a brief introduction to government bureaucracy as a patent examiner in the Canadian Patent Office in Ottawa, Ontario., (The end of an aspiring law career.). He spent twenty-three years with Honeywell in Winnipeg in various positions and in 1981 was transferred to Toronto, Ontario as Manager, Western Region, Commercial Division. In 1985 he was moved to the position of General Manager,

Honeywell Building Services Division.

In 1989 he left Honeywell and entered the sheet metal fabrication business and now, in "semi-retirement", operates his own sales agency, Kildonan Agencies of Markham, Ontario and is the Marketing Manager for United Industries Ltd. of Prince Albert, Saskatchewan. He also keeps busy supervising the career of his wife Lynne who is the Director of Public Health Nursing for the City of North York, Ontario. While he lived in Winnipeg Herb was a director of the Knowles School for Boys, director of the Manitoba Golf Association, President of the Manitoba Badminton Association and member of the Winnipeg Rotary Club.

Herb has been most supportive of ASHRAE both at the regional and chapter levels. and at the present time is a member of the Toronto Chapter. He served the Manitoba Chapter as Chairman of the Special Events Committee in 1962, 1963 and 1964. In 1963 he was also the Chapter Liaison to the Engineering Society. In 1965 Herb served on the Chapter Board of Governors and in 1966 was Chairman of the Technical Affairs Committee. In 1967 he was elected Treasurer, Secretary in 1968, Vice President in 1969 and Chapter President in 1970. He served on the Board of Governors in 1971 and 1972 and then took on the task of being Editor of Buffalo Tales from 1976 through 1979. Herb served as Regional Vice Chairman - Membership in both Region II and Region XI. In 1978 when the Regions were reorganized he was a member of the General Nominating Committee as a Region II Delegate. Herb's major activities now include squash and planning next month's golf outings.

1971 - 72

President Frank Burshstein, Durall Ltd.
Vice-President Norman R. Blaine, Lennox Industries Can. Ltd.

Secretary	Ronald T. Seepish, Ronald Seepish Consultants
Treasurer	Bruce P. Menlove, American Air Filter of Can.
Governors	Thomas E. Patteson, Powers Regulator Co. Ltd. Walter N. Gowan, W. R. Cuthbert & Co. William D. Easton, Camco Redboine Ltd. Kenneth A. Halipchuk, Betco Ltd.
Past President	Herbert C. Sage, Honeywell Controls Ltd.

HIGHLIGHTS

Committee Chairmen were:

Membership	Tom Patteson
Research	Jack Patterson
Program	Walt Gowan
Technical	Ken Scott
Reception	Bernie Kroemer
Special Events	Garry Albl
Phoning	Clint Stewart
Newsletter	Bill Easton

The topic at the Oct. 21st meeting was "UNICITY" as presented by George Minaker. He gave good definitions of the new city that would result and outlined the duties of the committees that would be handling the various affairs.

Tom Patteson, Membership Committee Chairman, attended a special meeting in Regina.

At the January 20th meeting Darrell Hermans, Field Engineering Division, Johnson Controls Ltd. discussed "Air and Water Balancing".

Jack Patterson represented the chapter at a special February 15th meeting in Regina called by Society to organize the collection of funds for research.

Walter Stetham, S. A. Armstrong Co. Ltd. spoke on Centrifugal Pumps at the February 17th meeting. Also in attendance was Jake Klassen, Region II Director and Hayward Murray, Region II Vice Chairman - Research Promotion.

Chapter curling play-offs were held on February 11th at the Highlander Curling Club. The winners were the E. H. Price entry, Tom Patteson, Jeff McMullin, Jerry Law and Allen Johnson.

The Manitoba rink came fourth in the competition for the John Ross Curling Trophy with Saskatoon Chapter taking the honors.

The annual golf tournament was held in Carman, Man. June 21, at the Carman Golf Club, with activities being organized by Herb Sage.

PRESIDENTIAL PROFILE - Not available.

1972 - 73

President	Norman R. Blaine, Lennox Industries Can. Ltd. Ronald T. Seepish, Ronald Seepish Consultants
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Vice-President Ronald T. Seepish, Ronald Seepish Consultants
Secretary Bruce P. Menlove, American Air Filter of Can.
Treasurer Thomas E. Patteson, Dept. of Public Works
Governors Herbert C. Sage, Honeywell Controls Ltd.
Walter N. Gowan, Powers Regulator Co.
Kenneth A. Halipchuk, Betco Ltd.
William D. Easton, Camco Redboine Ltd.
Past President Frank Burshstein, Durall Ltd.

HIGHLIGHTS

The board changed the location of the chapter meetings to the Winnipeg Squash Club with the cost of meals being \$3.50 with no requirement for a guarantee of attendance. Guest fees were set at \$6.00 for dinner.

The September 19th meeting was a panel discussion on "Temporary Heat and the Temporary Use of Equipment". Panelists were Doug Swain, Trane Co. of Canada Ltd., Hy Dassevsky, K. & D. Engineering Ltd., H. Steele, V. K. Mason Construction Co. Ltd., and Frank Watts, Mikkleson Coward Ltd.

Ron Seepish took over as President when Norm Blaine was transferred to Vancouver.

The University of Manitoba was awarded a 23,000.00 research grant. Donations for all of Region II (of which we were a member at that time) totalled only \$7,000.00.

The January meeting was held after the bonspiel at the Granite Curling Club. Winners were George Currie, Bob Bird, Art McKenzie and William Brennan.

Frank Kessler, Flo-Tronics Incorporated spoke at the February meeting about electronic controls.

The late Jimmy King and his orchestra played at the spring social at the Winnipeg Squash Club. The cost of tickets for this "Ladies Night" was raised from \$20.00 per person to \$25.00. The committee expressed fears that attendance might not come up to expectations because of resistance to a cost me dance and conflicting dates with the Mechanical Contractors Association Ladies Night, The Daniel McIntyre 50th Reunion and a party at Smith Carter and Partners.

The program at the April 17th meeting was a discussion by Professor Howard N. Gawley and his assistant Don Fisher from the University of Manitoba on their ASHRAE Research Project which is a thermal recovery system with emphasis on thermal recovery wheels.

The chapter received a regional award for membership promotion.

PRESIDENTIAL PROFILE - Norman R. Blaine, P. Eng.

Norm was born in Winnipeg in 1940, attended local schools and graduated from the University of Manitoba in 1962 with a Bachelor of Science Degree in Mechanical Engineering. In 1962 Norm entered the employ on Lennox Industries of Canada Limited and became Branch and Territory Manager in Winnipeg. In 1972 he was transferred to Vancouver as Commercial Product Engineer and Branch Manager where he worked until 1976 when he was moved to Calgary as Commercial Product Engineer.

Norm left Lennox to join Nova, an Alberta Corporation in 1979 as a Project Engineer in Systems Planning and in 1983 became Senior Engineer, System Planning, Mainline Facilities. He is responsible for hydraulic design and optimization of mainline facility expansions and improvements to the Nova Gas Transmission system in Alberta.



Norman R. Blaine

He has completed night and correspondence courses in Business Administration, Accounting, and Commercial Law at the University of Manitoba, a marketing course at the University of Toronto and numerous other courses and seminars.

Norm is a past member of the Association of Professional Engineers of Manitoba and is a member of the A.P.P.E.G.G.A. Norm joined ASHRAE in 1964 and served on the Manitoba Chapter Board of Governors as Program Chairman in 1967, in 1968 and 1969, as Treasurer in 1970, as Vice President in 1971 and as Chapter President in 1972 until he was transferred to Vancouver.

He is married and has three children. Norm is an avid sports enthusiast and is a member of Willow Park Golf Club.

1973 - 74

President	Bruce P. Menlove, American Air Filter of Can.
Vice-President	Walter N. Gowan, Powers Regulator Co
Secretary	William D. Easton, Camco Redboine Ltd.
Treasurer	Kenneth A. Halipchuk, Betco Ltd.
Governors	Bernard M. J. Kroemer, A. C. & S. Contracting Robert T. Jackson, R. G. Sales Co. Ltd. Hymen Dashevsky, Klein Dashevsky & Assc. Brian A. Faurschou, Frank E. Simmons Ltd.
Past President	Norman R. Blaine, Lennox Industries Can. Ltd.

HIGHLIGHTS

The rink of George Currie, Bob Bird, Art McKenzie and Bill Brennan won the chapter bonspiel at the Granite Curling Club.

PRESIDENTIAL PROFILE - Bruce P. Menlove, P. Eng.

Bruce Menlove was born in Winnipeg. He graduated in 1948 from Daniel McIntyre Collegiate and in 1951 obtained his Bachelor of Science Degree in the discipline of Civil Engineering and is a registered engineer in Manitoba.

In 1951 he became employed with Union Carbide of Canada Ltd. as Application Engineer until 1959 when he became Sales Manager for Northland Machinery Supply Co. Ltd. He worked as Manager of Mills Supply Ltd from 1963 to 1971. In 1971 he joined American Air Filter Canada as Branch Manager where he stayed until 1990 when the Company was sold, at which time he moved to R-G Sales Co. Ltd. in Application and Sales.



Bruce P. Menlove

Bruce is married to Tannis and has four children.

Bruce joined ASHRAE as a member in 1966. He was Program Chairman in 1968, Research Promotion Chairman in 1969, Membership Chairman in 1970, Treasurer in 1971, Secretary in 1972, and Chapter President in 1973. He also served on the Chapter Nomination Committee in 1976, as Auditor in 1978 and as Chairman of Government Affairs Committee in 1984. His Society activities include publishing two papers, 1979 - 82 Region XI Vice Chairman - Membership, 1982 - 84 Region XI Nominating Committee Alternate, 1984 - 85 Region XI Nominating Committee Delegate.

Bruce has been most supportive of ASHRAE and in 1987 was awarded the Regional Award of Merit. He is also a member of the Engineering Institute of Canada, Past Chairman, Secretary and Director of the Canadian Society of Mechanical Engineers, Honorary President and Past President of the University of Manitoba Alumni Association and member of the Association of Professional Engineers of Manitoba.

1974 - 75

President	D. William Easton, Camco Redboine Ltd.
Vice-President	Hymen Dashevsky, Klein Dashevsky & Assc.
Secretary	Brian A. Faurshou, Frank E. Simmons Ltd.
Treasurer	Bernard M. J. Kroemer, A. C. & S. Contracting
Governors	John R. Hawryluk, Nothart Engineering Sales Walter N. Gowan, Powers Regulator Co. Edward J. Faraci, Smith Carter & Partners Kenneth A. Halipchuk, Betco Ltd.
Past President	Bruce P. Menlove, American Air Filter of Can.

HIGHLIGHTS

The annual curling bonspiel was held at the Deer Lodge Curling Club on January 17, 1975 and was organized by Paul Dreidger.

PRESIDENTIAL PROFILE - D. William Easton

Bill Easton was born and raised in Winnipeg, graduating from high school from St. James Collegiate. In 1965 he was a member of the first graduating class in Mechanical Technology from the Manitoba Institute of Technology, which is now called Red River Community College.

From 1966 to 1969 he was employed by GBR Associates as a mechanical designer and inspector. In 1969 he joined Allied Engineering Ltd, Vancouver, B. C. and for two years was sales agent for sales of Super Hot Boilers and associated equipment in Manitoba.



D. William Easton

In 1971 he became the Sales Manager for Camco Redboine Ltd. Engineers and Contractors, involved in the design and installation of heating, refrigeration, air conditioning, ventilation and dust collecting systems until 1980 when he left to form his own company. He is today President of Argus Industrial Supply Ltd., manufacturers of gaskets and injection moulded rubber parts, and distributors of telephone and hydro specialty utility products.

Bill Joined ASHRAE as an Associate in 1966, was a member of the Board of Governors in 1971 and 1972, Chapter Secretary in 1973 and President in 1974.

Bill has many interests. He enjoys his cottage at Caddy Lake and is considered an expert on wines, being a member of the Manitoba Tasting Panel for the Manitoba Liquor Control Commission and a Director of the Opimian Society.

1975 - 76

President	Hymen Dashevsky, Klein Dashevsky & Assc.
Vice-President	Brian A. Faurichou, Frank E. Simmons Ltd.
Secretary	Bernard M. J. Kroemer, Hilton Insulation
Treasurer	John R. Hawryluk, Dept. of Public Works
Governors	Edward J. Faraci, Smith Carter & Partners David E. Cross, MMP Winnipeg Neil J. Childs, J. R. Stephenson Co. Ltd. Terry W. Fitter, Powers Regulator Co.
Past President	William D. Easton, Camco Redboine Ltd.

HIGHLIGHTS

Delegates Brian Faurichou and Ed Faraci petitioned at the London, Ont. CRC to have the Manitoba Chapter host the 1985 CRC in celebration of it's 50th anniversary.

PRESIDENTIAL PROFILE - Not available.

1976 - 77

President	Brian A. Faurichou, Frank E. Simmons Ltd.
Vice-President	Edward J. Faraci, Smith Carter & Partners
Secretary	David E. Cross, MMP Winnipeg
Treasurer	Kenneth R. Scott, 97 Parkville Drive
Governors	Leslie F. Howard, Mark Hot Inc. Harry Mah, Lennox Industries of Can. Ltd. Evan O. Foulkes, Winnipeg School Board William D. Easton, Camco Redboine Ltd. Herbert C. Sage, Honeywell Controls Ltd.

Robindranath Sukhan, Reid Crowther & Partners
 Bruce P. Menlove, American Air Filter of Can.
 Past President Hymen Dashevsky, Klein Dashevsky & Assoc.

HIGHLIGHTS

Committee Chairmen were:

Membership	Les Howard
Program	Ed Faraci
Education & Roster	Harry Mah
Research Promotion	Hy Dashevsky
Energy Conservation	Oliver Foulkes
Newsletter	Herb Sage
Attendance	Robin Sukhan
Nomination	Bruce Menlove, Bill Easton, Hy Dashevsky
CRC Convention	Bill Easton

Ken Lailey, Chicago Blower Co. spoke to the February 22nd meeting on which central air supply unit was best suited to variable air volume systems.... variable pitch in motion, vane inlet control, bypass dampers, etc.

The March 22nd meeting was addressed by Guy Morel, mechanical designer for the Olympic Stadium in Montreal.

April 20th to the 22nd saw the Chapter hosting the Region II CRC with the technical sessions covering Solar Energy. (See article entitled 1977 Chapter's Regional Conference.)

PRESIDENTIAL PROFILE - Brian A. Faurischou, P. Eng.



Brian A. Faurischou

Brian was born in Winnipeg on March 12, 1942 and went to public school in St James, after which he attended United College for three years. He graduated from the University of Manitoba in 1965 with a Bachelor of Science degree in Mechanical Engineering.

He then spent six months in York, Pennsylvania with York Air Conditioning before moving to Toronto to their Canadian Office. He moved to Edmonton in 1967 with J. R. Stephenson Ltd. and spent twenty months with them as a sales representative.

In the spring of 1969 Brian moved back to Winnipeg to work with Frank E. Simmons Ltd., mechanical contractors. He started there as an estimator, and later became a project co-ordinator and contract administrator. In 1978 he became President of the company, a position which he still holds.

Brian joined ASHRAE as an Associate in 1967 and obtained the grade of member in 1975. He became active in the Manitoba Chapter in 1970, serving as a Governor in 1973, Secretary in 1974, Vice President in 1975, President in 1976, Research Promotion Fund Chairman in 1977 (raising \$3,550.00) and Governor in 1978. When he was President the chapter was

awarded the Presidential Award of Excellence for research promotion, membership, education and attendance. He attended the 1976 CRC in London, Ont. and was co-chairman of the 1977 CRC in Winnipeg.

He is presently a member and Past President of the Mechanical Contractors Association of Manitoba, Mechanical Trade Representative to the Construction Labour Relations Association of Manitoba, and member of the Association of Professional Engineers of Manitoba.

Brian is married to Louise and has two sons, Allan and Gavin. He enjoys running and is a regular participant in the Manitoba Marathon and other events.

1977 - 78

President	Edward J. Faraci, Smith Carter & Partners
Vice-President	David E. Cross, MMP Winnipeg
Secretary	Leslie F. Howard, Mark Hot Inc.
Treasurer	Thomas E. Patteson, Dept. of Public Works
Governors	Arthur M. McKenzie, Master Plumbing & Htg Kenneth L. MacCharles, Air Master Sales Ltd. Kenneth R. Scott, 97 Parkville Drive S. Bruce Sloane, MMP Winnipeg Arthur J. Pankratz, Crippen Acres Engineering Evan O. Foulkes, Winnipeg School Board Ronald K. Giercke, W. L. Wardrop & Assc.
Past President	Brian A. Fauschou, Frank E. Simmons Ltd.

HIGHLIGHTS

Committee Chairmen were:

Reception	George Currie
Research Promotion	Brian Fauschou
Roster	Ken Scott
Membership	Stew Cherry
Energy Conservation	Dave McKibbin
Attendance	Bob Bird
Education	Oliver Foulkes
Public Relations	Art Pankratz
Program	Dave Cross
Auditor	Bruce Menlove

At the October meeting the guest speaker was Dr. Lloyd Axworthy, Liberal M.L.A., whose topic was "Urban Sprawl".

On November 15th Dave Young, Economist, spoke on "Energy Economic Forecasting for Canada".

Dr. Gren Yuill spoke to the December 20th meeting on the topic "Solar Energy".

The January meeting was a tour of Labatts Brewery. In attendance was Region II Chairman George Menzies from Hamilton and Research Promotion Chairman Alan Oakes from Ottawa.

In February Walter Bienko presented "Variable Volume Air Systems". Chapter membership was 129 members with membership dues set at \$35.00 including meals.

Ed Faraci discussed, on March 21st, "Engineering Behind the Iron Curtain". He was the designer of the mechanical systems for the Canadian Embassy in Moscow.

At the April 18th meeting Eric K. Struhmueller, Manitoba spoke on the possibility of developing nuclear power stations

PRESIDENTIAL PROFILE - Edward J. Faraci, P. Eng.



Edward J. Faraci

Ed was born and raised in Winnipeg where he attended public school. He graduated from the University of Manitoba with a Bachelor of Science Degree in Mechanical Engineering in 1971. After completing University Ed worked with Don Daniels of the Trane Company in Regina from 1967 to 1969. In 1969 he joined Scouten Mitchell Sigurdson and Associates for two years as an HVAC designer, until he went to Smith Carter Partners as their Chief Mechanical Engineer. He became an associate with the firm and stayed until 1979 when he left to found the firm of E. J. Faraci and Associates Ltd. This practice expanded to have offices in Calgary and Vancouver and continued for twelve years until November 1991 when Faraci Engineering Ltd. was formed.

Ed has been involved in HVAC design across Canada and in Russia, Poland, China and Mexico. In 1980 his groundwater pump design for the Smith Carter Office Building of 1978 won the Association of Consulting Engineers of Canada award of merit. The Solar Showers Building in Riding Mountain National Park, for which he was the mechanical engineer, won a Manitoba Design Institute Award in 1985.

Ed has been the mechanical engineer for major buildings across Canada including the Bank of Montreal, Toronto Dominion Centre, Concordia Hospital and Grace Hospital, all in Winnipeg, and the Brandon General Hospital in Brandon, Manitoba. His work also includes the Canadian Embassy in Moscow, Okhtinskaya Hotel in Leningrad, and Bromley Square in Calgary. A major focus of his work has been energy conservation with National Seminars and Publications to his credit and a specialty in Earth Energy Heat Pumps applied across Canada.

Ed served the Manitoba Chapter by working on the Board of Governors in 1974 and 1975, Vice President and Program Chairman in 1976, Chapter President in 1977 and Research Promotion Fund Chairman in 1978. In 1975 he attended the London, Ontario CRC as Chapter Alternate.

1978 - 79

President	David E. Cross, Underwood McLellan (1977) Ltd
Pres. Elect	Leslie F. Howard, Mark Hot Inc.
Vice-President	Thomas E. Patteson, Dept. of Public Works
Secretary	Arthur M. McKenzie, Master Plumbing & Htg
Treasurer	Evan O. Foulkes, Winnipeg School Board
Governors	Ronald K. Giercke, W. L. Wardrop & Assc. S. Bruce Sloane, MMP Winnipeg

Brian A. Faurschou, Frank E. Simmons Ltd.
Douglas A. McLuckie, Betco Ltd.
David B. McKibbon, Reid Crowther & Partners
Grenville K. Yuill, Unies Ltd.
Kenneth L. MacCharles, Airmaster Sales Ltd.
Klaas Wagenaar, Powers Regulator Co.
David J. Wooley, Northwest Wholesale Co.
Past President Edward J. Faraci, Smith Carter & Partners

HIGHLIGHTS

Dave Wooley filled the new position of Chapter Historian.

Dave Cross and Les Howard attended the organizational meeting in Vancouver of Region XI, to which the chapter was transferred from Region II.

Brian Faurschou's Research Fund Committee raised \$3,550.00 in the Research Fund Drive.

Chapter membership dues were raised to \$40.00 per annum, up from \$35.00. Dinners were included and meetings were held at the Holiday Inn Downtown.

George Menzies, Regional Chairman addressed the December 12th Chapter Meeting.

The 1985 Regional CRC was awarded to Winnipeg to celebrate the chapter's 50th anniversary.

The January, 1979 Chapter meeting consisted of a tour of the new Royal Canadian Mint, where members actually observed coins being struck.

There were 24 student members at the University of Manitoba and Red River Community College.

Ladies Night was held on Feb. 9th at the Winnipeg Winter Club and tickets were \$40.00 per couple including predinner cocktails, wine and dinner, organizer - Karl Wagener.

Past President's Night was held on March 20th with a cribbage tournament following the meeting.

PRESIDENTIAL PROFILE - David E. Cross, P. Eng.

When Dave attended Kelvin High School he was President of the Student Council and won the Harry Hood Memorial Trophy which is awarded to the outstanding football player in the City. He graduated from the University of Manitoba in 1961.

He registered as a Mechanical Engineer with the Association of Professional Engineers of Manitoba in 1963 and later served as President of this organization.

Dave began employment with Northern Electric Ltd., Montreal as Plant Engineer, then went to Galt, Ont with Babcock Wilcox Ltd. as boiler and sewage plant designer. In 1963 he moved back to his home town with Honeywell Controls Ltd as Commercial Salesman for three years until he joined Green Blankstein Russell as mechanical designer. In 1968 he joined MMP Consultants where he became Chief Mechanical Engineer. Ten years later he went to Underwood McLellan Ltd as Director,

Mechanical Engineering returning to MMP after two years. He started his own consulting firm in 1982 and is presently President of D. E. Cross & Associates.



David E. Cross

Dave joined ASHRAE as a Member in 1967 and served the Chapter as Governor in 1975, Secretary in 1976, Vice President and Program Chairman in 1977 and Chapter President in 1978. In 1979 when Past President he was Research Promotion Chairman and he and his committee raised a record \$6,235.00 against a goal of \$4,800.00, which won for the Chapter it's first and only "Top Dog" award for best performance in the Region.

Dave is married and has two children. His daughter Sharon is also a Mechanical Engineer (with another consulting firm), and in 1989 she and her father were the first father-daughter team to be members of the Manitoba Chapter.

1979 - 80

President	Leslie F. Howard, Mark Hot Inc.
Pres. Elect	Thomas E. Patteson, Dept of Public Works
Vice-President	David B. McKibbin, Reid Crowther & Partners
Secretary	Arthur M. McKenzie, Master Plumbing & Htg
Treasurer	Kenneth L. MacCharles, Airmaster Sales Ltd
Governors	Douglas A. McLuckie, D. A. McLuckie Agencies David J. Wooley, Retired. David R. McNeil, Wholesale Heating Supplies S. Bruce Sloane, MMP Architects & Engineers Ronald K. Giercke, W. L. Wardrop & Assc.
Past President	David E. Cross, Underwood McLellan Ltd.

HIGHLIGHTS

Committee Chairman were:

Reception	Vern Hawyrluk
Attendance	Ron Gierke
Research Promotion	Dave Cross
Roster	Bruce Sloane
Membership	Doug McLuckie
Energy Conservation	David McNeil
Education	Gren Yuill
Special Events	Harry Mah
Program	Dave McKibbin

Historian Dave Wooley

Program Chairman Dave McKibbin introduced "Trade Talks" at the chapter meetings.

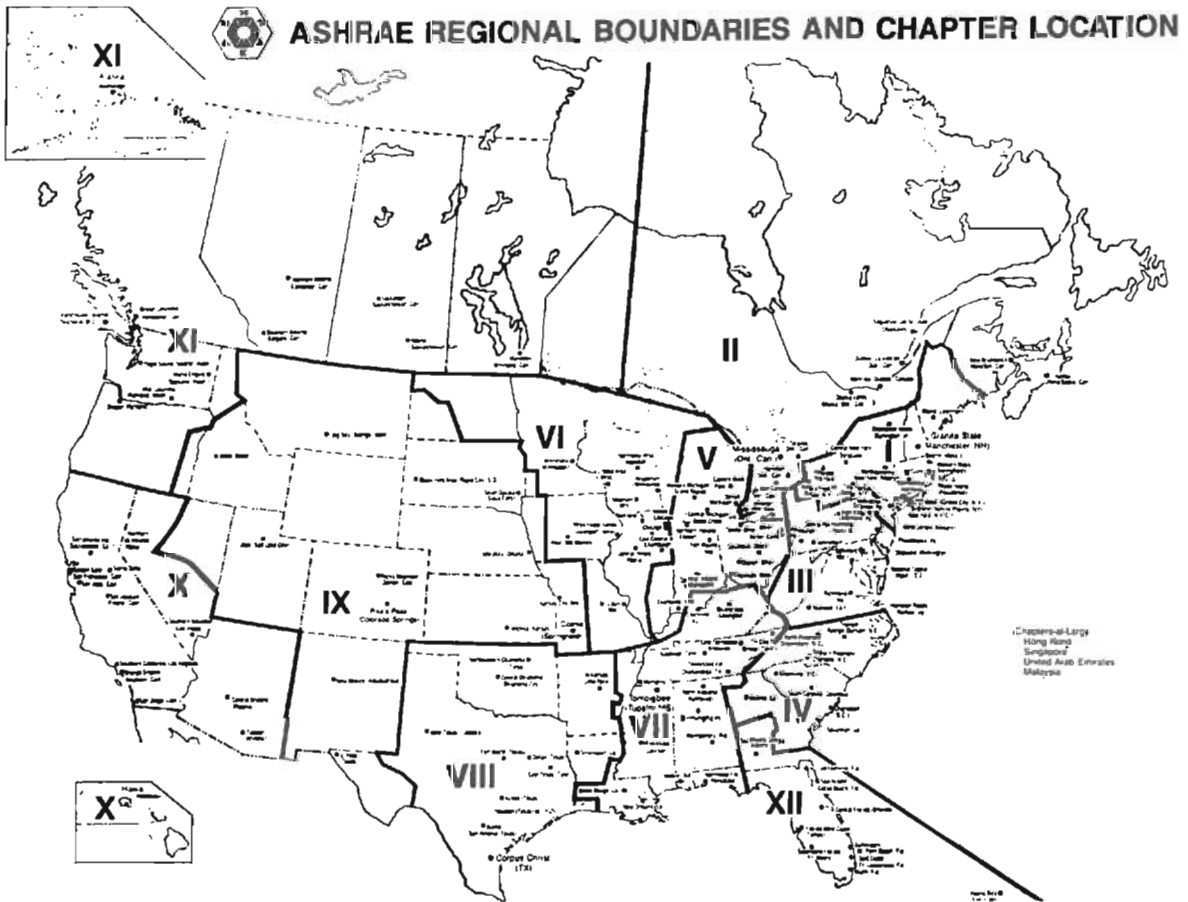
The Annual Ladies Night Social was held on Mar. 7th at the Birchwood Inn, tickets were \$50.00 per couple with dancing till 1:30 AM to recorded music. Organizer - Harry Mah.

Ron Seepish, Past President moved to Calgary with his old firm, Cohos, Evamy & Partners.

Douglas Swain, Past President 1947 and 1958 was made a Life Member of the Society in July, 1979.

Dave Cross, Research Promotion Chairman was able to raise an all time award winning record high fund of \$6,235.00 against a quota of \$4,800.00.

The first Region XI CRC was hosted by Anchorage, Alaska Chapter on May 7th to 10th. Highlight of the trip was a tour of the Prudhoe Bay Oilfields.



On July 1st, 1979 Manitoba Chapter officially joined Region XI along with Regina, Saskatoon, Southern Alberta, Northern Alberta, British Columbia, Puget Sound, Inland Empire, Oregon, and Alaska.

PRESIDENTIAL PROFILE - Not available.



Leslie F. Howard

CHAPTER 8 - THE EIGHTIES AND 1990

This decade brought the chapter and the Society to the current level of sophistication and state of the art of mechanical design that it is at today. We were in the computer age, as was evident in building management systems, design programs, plotters, equipment selection and word processing.

There was much concern about the environment, sustainable development and ozone depletion. What concern there was for energy management was related more to operating costs, rather than fear of depletion of resources, which was the scare of the seventies.

Some new products were plate and frame heat exchangers, variable speed controllers for electric motors, and earth energy heat pump systems.

1980 - 81

President	Thomas E. Patteson, Government Services
Pres. Elect	David B. McKibbin, Reid Crowther & Partners
Vice-President	Kenneth L. MacCharles, Air Master Sales Ltd.
Secretary	David R. McNeil, Wholesale Heating Supplies
Treasurer	Robindranath Sukhan, Reid Crowther Partners
Past President	Leslie F. Howard, Mark Hot Inc.

HIGHLIGHTS

Committee Chairmen were:

Reception	Murray Walker
Attendance	Karl Wagenaar
Research Promotion	Les Howard
Roster	Vern Hawryluk
Membership	Doug McLuckie
Energy Conservation	David McNeil
Education	Stu Ursel
Publications	Herb Sage
Special Events	Art McKenzie
Historian	Dave Wooley
Program	Ken MacCharles
Publicity	Harry Mah

Golf Chairman Les Howard invited the Mechanical Contractors Association to join us at Breezy Bend Golf and Country Club on August 21st resulting in the largest turnout ever.

On December 15th Gary Polyoka, Honeywell Controls Ltd. gave the first "Trade Talk" at a Chapter meeting.

The annual Ladies Night Social was held at the Winnipeg Squash Club on March 14th.

David McNeil organized the chapter's first Energy Management Night at the March 17th Chapter meeting which considered the application of the new "Manitoba Energy Code".

Manitoba Chapter was presented with the Region's first Annual Top Dog Award for outstanding work in Research Promotion Fund raising by Dave Cross in 1979.

Bruce Menlove, Past President 1973, was elected as Regional Vice Chairman - Membership. The March meeting had an attendance of 65, while the average attendance at meetings over the year was 50 members.

PRESIDENTIAL PROFILE - Thomas E. Patteson, P. Eng.



Thomas E. Patteson

Tom was born in Winnipeg and attended Earl Gray and Kelvin High School. After graduation he articulated for seven years in the field of chartered accountancy, however he decided that was not his avocation so he entered the University of Manitoba and graduated in 1961 with a Bachelor of Science Degree in Mechanical Engineering.

He immediately went into the employ of Powers Regulator Co. in the Winnipeg office as a sales engineer. In 1972 he joined the Manitoba Department of Government Services as Department Head in the Mechanical Design Division. In 1991 Tom was promoted to Project Manager in the same department, a position that he currently holds.

Tom joined ASHRAE in 1968 and served the Manitoba Chapter as a Membership Committee Chairman in 1971, Treasurer in 1972 and in 1977, Vice President in 1978, President Elect in 1979 and Chapter President in 1980. He served as Research Promotion Fund Committee Chairman in 1981.

Tom is married to Doreen and they have four children. He enjoys golfing at Charleswood Golf Club and plays hockey in the Winnipeg Old Timers Hockey League.

1981 - 82

President	David B. McKibbin, Reid Crowther & Partners
Pres. Elect	Kenneth L. MacCharles, Air Master Sales Ltd.
Vice-President	David R. McNeil, Wholesale Heating Supplies
Secretary	Karl Wagenaar, MCC Powers
Treasurer	Robindanath Sukhan, Reid Crowther & Partners
Past President	Thomas E. Patteson, Government Services

HIGHLIGHTS

Chapter meetings were held at the Winnipeg Convention Centre.

The Board decided to give members an opportunity to advertise in the Roster by having their business cards printed.

Fraser Michie, Charter Member, celebrated 50 years of membership and was honored at the October 20th meeting when he was presented with an award by Marty McDougall, Region XI Chairman. Guest speaker for the meeting was Stu Ursel, Manitoba Government Energy Management and Technical Services on the topic "Energy Management in the Province of Manitoba". Chapter scholarships were awarded to David Wilkinson and John Franz from Red River Community College.

R. Serge Friar, Manager, Environmental Impact Studies, Aluminum Company of Canada spoke to the November 24th meeting on their proposed smelter for the Interlake, and the feasibility study they were conducting.

The January 19th meeting was designated Research Promotion Fund Drive night by Chairman Tom Patteson. The guest speaker was Bob Robson, Director of Residential Products, ICG Manufacturing who spoke on the topic "High Efficiency Condensate Furnaces", followed by Professor Ray E. Chant and Don Fisher, University of Manitoba speaking on "Identification of Condensable Gas in Moderate Temperature Process Exhaust and the Associated Corrosion of Air to Air Heat Exchangers", this project conducted at the university being a two year effort funded in the amount of \$100,000.00 by ASHRAE Research of Canada.

On February 23rd the chapter toured the W. M. Ward Technical Services Laboratory. The tour focused on the mechanical systems and the work actually being done, as it is the central laboratory for the province for Environmental Management and Mineral Resources Divisions.

Our rink, Art McKenzie, Bob Bird, Wes Gatzke and Darryl Brandon came in third in the John Ross Bonspiel on February 27th in Edmonton.

The chapter presented an energy management seminar on the topic "Air Quality" on March 16th.

The March 16th meeting was addressed by Donald W. Mason and Marcel Diotte, both of Mark Hot Inc on the subjects "Water Source Heat Pumps" and "Variable Volume Control Methods".

On April 20th the guest speaker for the meeting was Pamela Ramsay of Unies Ltd. talking about "Computer Analysis for Energy Conservation".

The June 4th Golf Tournament was held at Breezy Bend and was success despite monsoon rains. It was a joint affair with the Mechanical Contractors Association of Manitoba and after dinner members participated in a cribbage tournament, all organized by Les Howard.

PRESIDENTIAL PROFILE - David B. McKibbin, P. Eng.

Dave was born in Winnipeg. He graduated from Vincent Massey Collegiate and went on to the University of Manitoba from which he graduated in 1967 with a B. Sc. (ME) degree. He is a Registered Engineer in Manitoba, Ontario and New Brunswick.

In 1967 after graduating Dave obtained employment with UMA Engineering as a Junior Engineer. In 1971 he joined Reid Crowther & Partners as Intermediate Engineer, and later was promoted to partner and Winnipeg Mechanical Department Head. While there in 1976 he worked on the British Columbia Law Courts, a \$164,000,000.00 project. In 1983 he and H. N. Procyshyn, founded their own mechanical and electrical consulting firm, Action Consulting Engineers, Inc. of which Dave is the President.



David B. McKibbin

Dave is a member of ASHRAE, having joined in 1970. He served as Committee Chairman for Energy Management, Research Promotion, and Program, as Vice-President in 1979, President-Elect in 1980, President 1981, Past President 1982 and in 1985 was Co-Chairman of the highly successful CRC hosted by the Manitoba Chapter to celebrate its 50th anniversary. He is also a member of ASPE and NFPA.

Dave's volunteer work has included serving many years with the Boy Scouts and as a United Way Chairman.

He is married to Kathy, who co-chaired the Spouses Program Committee for the 1985 CRC. They have two children. Dave's special interests, in addition to the usual, include skiing, hockey, golf and sailing.

1982 - 83

President	Kenneth L. MacCharles, Air Master Sales Ltd.
Pres. Elect	David R. McNeil, Wholesale Heating Supplies
Vice-President	Jerry Fugate, Scouten Mitchell Sigurdson
Secretary	John Bachmann, ICG Manufacturing Ltd.
Treasurer	Murray Walker, Transport Canada
Past President	David B. McKibbin, Reid Crowther & Partners

HIGHLIGHTS

Chapter meeting location was moved back to the Holiday Inn Downtown and had 152 area assigned Society Members.

Art McKenzie, Roster Chairman, led an aggressive campaign to solicit contributions for the 1982 - 83 roster which resulted in receipts of \$468.00 for the chapter.

Energy Management Committee, chaired by Ron Giercke, held Seminar entitled "Value Engineering" with an attendance of 79 resulting in a net profit of \$434.04, \$200.00 of which was contributed by the board to the Research Promotion Fund.

Disaster struck the distribution of the ASHRAE Handbook in the form of a mail strike, members had to be canvassed and many duplicate copies had to be sent out.

Due to the high cost and perceived lack of interest the Special Events Committee decided against holding a "Ladies Night" this year.

President Ken MacCharles, Art McKenzie and Ken Sarsen came in second at the John Ross Curling Tournament in Regina.

We welcomed our first female member, Lou Anna P. Field.

The chapter placed second (to Oregon) on the Presidential Award of Excellence list.

Ernest H. Price received a certificate commemorating his being named a distinguished fifty year member of ASHRAE. Mr. Price served on the Board of Governors in 1948 and 1949.

Jim Park, ASHRAE Regional Director and a member of the Vancouver Chapter presented a certificate honoring Herb Sage of Honeywell Controls Ltd. for outstanding work for ASHRAE while in the Manitoba Chapter. Herb was Chapter President in 1970 and served on the Board of Governors from 1966 to 1973.

A golf tournament was organized by Gordon Cassell, Honeywell Ltd. on June 10/83 at Breezy Bend Golf Club with Green fees at \$18.00 and a Steak Barbecue costing \$20.00.

PRESIDENTIAL PROFILE - Kenneth L. MacCharles, P. Eng.



Kenneth L. MacCharles

Ken was born and raised in Winnipeg and graduated from Kelvin High School. He graduated from McGill University with a degree in Mechanical Engineering in 1949.

He worked for Imperial Oil Ltd. for seven years in the construction and marketing operations. In the late fifties Ken started a construction supply business which was later bought out by W. R. Grace and Co., for whom he continued working for several years. He then moved into the lumber industry with Columbia Forest Products Ltd. until the plant was destroyed by fire. The next few years were spent in the plastic extrusion business.

In 1976 Ken purchased Airmaster Sales Ltd from Jack Stephens. His company operates as a distributor, representative and manufacturer of various products for the mechanical trades in the construction industry. Ken's two sons are associated with him in the firm.

Ken is married and lives in St. Vital. At one time he was very active in down hill skiing, but now his main activities are squash in the winter and golf in the summer. He also curled in the John Ross Trophy competition on the Manitoba Chapter Rink.

Ken is a supporter of the Manitoba Chapter. He joined ASHRAE in 1977, was a Governor in 1977 and 1978, Treasurer in 1979, Vice President and Program Chairman 1980, President Elect 1981, and President in 1982. In 1983 he was Research Promotion Fund Chairman and was able to attend the special Fund Drive Kickoff meeting in Seattle, Washington. He also acted as Chairman of the Finance Committee for the Planning Committee for the 1985 Winnipeg CRC.

1983 - 84

President	David R. McNeil, Wholesale Heating Supplies
Pres. Elect	Jerry Fugate, Scouten Mitchell Sigurdson
Vice-President	Ronald K. Giercké, W. L. Wardrop & Assc.
Secretary	S. Bruce Sloane, Underwood McLellan Ltd
Treasurer	Murray Walker, Transport Canada
Past President	Kenneth L. MacCharles, Airmaster Sales Ltd.

HIGHLIGHTS

Barbara Langford became the Editor of Buffalo Tales, and Doug Swain was appointed as Chapter Historian.

Dave McKibbin headed up the steering committee for the 1985 CRC which will be held in Winnipeg to commemorate the chapter's 50th Anniversary.

Chapter dues kept at \$55.00 per year. Area assigned members 149, student members 7.

Ken MacCharles attended a special Research Promotion meeting in Seattle, Wash.

Fraser Michie, Charter Member and Past President passed away on Jan. 14th.

Robert McDowall conducted an Education Seminar on January 31st with the topic "Fuel Costs".

Manitoba Chapter curling team, Art McKenzie, Ken MacCharles, and Ken Sarsen won second place in the John Ross Curling Tournament in Regina.

Mike Cox, Johnson Controls Ltd. was the Chairman of the Special Events Committee which organized "Ladies Night" on March 3rd at the Winnipeg Squash Club. On the menu was Beef Wellington and tickets were \$60.00 per couple.

The Chapter presented an Energy Management Seminar on April 17th at the Holiday Inn. Speakers were Mike Cox, Johnson Controls Ltd. and Neil Childs, ITT Fluid Products Canada.

Chapter conducted a successful tour of the Motor Coach Industries plant in Fort Garry for the May 1984 meeting.

Bruce Menlove, AAF Ltd., was elected as Region XI Nominating Committee Regional Chairman and Delegate Jerry Fugate was presented with the McDougall Kilometer Person Award at the Joint CRC in Portland, Or.

The annual golf tournament was held on June 28th at the Breezy Bend Golf & Country Club . Organizer - Mike Cox.

PRESIDENTIAL PROFILE - David R. McNeil

David was born in Winnipeg and attended school in the Deer Lodge area and graduated from St. James Collegiate. He went on to Red River Community College and completed the two year Mechanical Technology course in 1975.

He started working with Wholesale Heating Supplies Ltd on Archibald St. and in an effort to learn the general wholesale business from the ground up served in the shipping and receiving departments and on the customer service counter. He soon moved to the St. James Branch of Wholesale Heating on Century St. as an outside salesman. In 1985 he was promoted to the position of Manager - Commercial and Engineered Products Division, a position that he holds today.



David R. McNeil

David participates in the Heating and Refrigeration Institute of America, an association to which his employer belongs. He joined ASHRAE in 1978 and served the Manitoba Chapter as Energy Management Committee Chairman in 1979 and 1980, as Secretary in 1980, as Vice President in 1981, as President Elect in 1982, as Chapter President in 1983 and on the Board of Governors in 1984. Since that time he has looked after meeting accommodations for the chapter. David also looked after Hotel Arrangements for the 1985 Chapters Regional Conference.

David is married to Elizabeth and they have one son Brian. He enjoys boating, skiing and fishing at their cottage at Red Rock Lake in the Whiteshell, in addition to tennis, curling and camping with his son.

1984 - 85

President	Jerry L. Fugate, Smith Carter Partners
Pres. Elect	Robert McDowall, University of Manitoba
Vice-President	Mike Cox, Johnson Controls Ltd
Secretary	S. Bruce Sloane, Underwood McLellan Ltd.
Treasurer	Murray Walker, Transport Canada
Past President	David R. McNeil, Wholesale Heating Supplies

HIGHLIGHTS

Brian Webb headed up a new committee, "R" in ASHRAE, which will represent the refrigeration aspect in our chapter. Bruce Menlove will act as chairman on the other new committee "Government Affairs" which will monitor the government's activities in areas that impact on our industry.

Chapter Dues increased to \$60.00.

Jim Park, Region XI Chairman, met with the Board of Governors on November 20th regarding chapter operations, and also with the CRC Committee to start off planing for the CRC.

President Jerry Fugate won first prize at the Dec. 18th cribbage tournament.

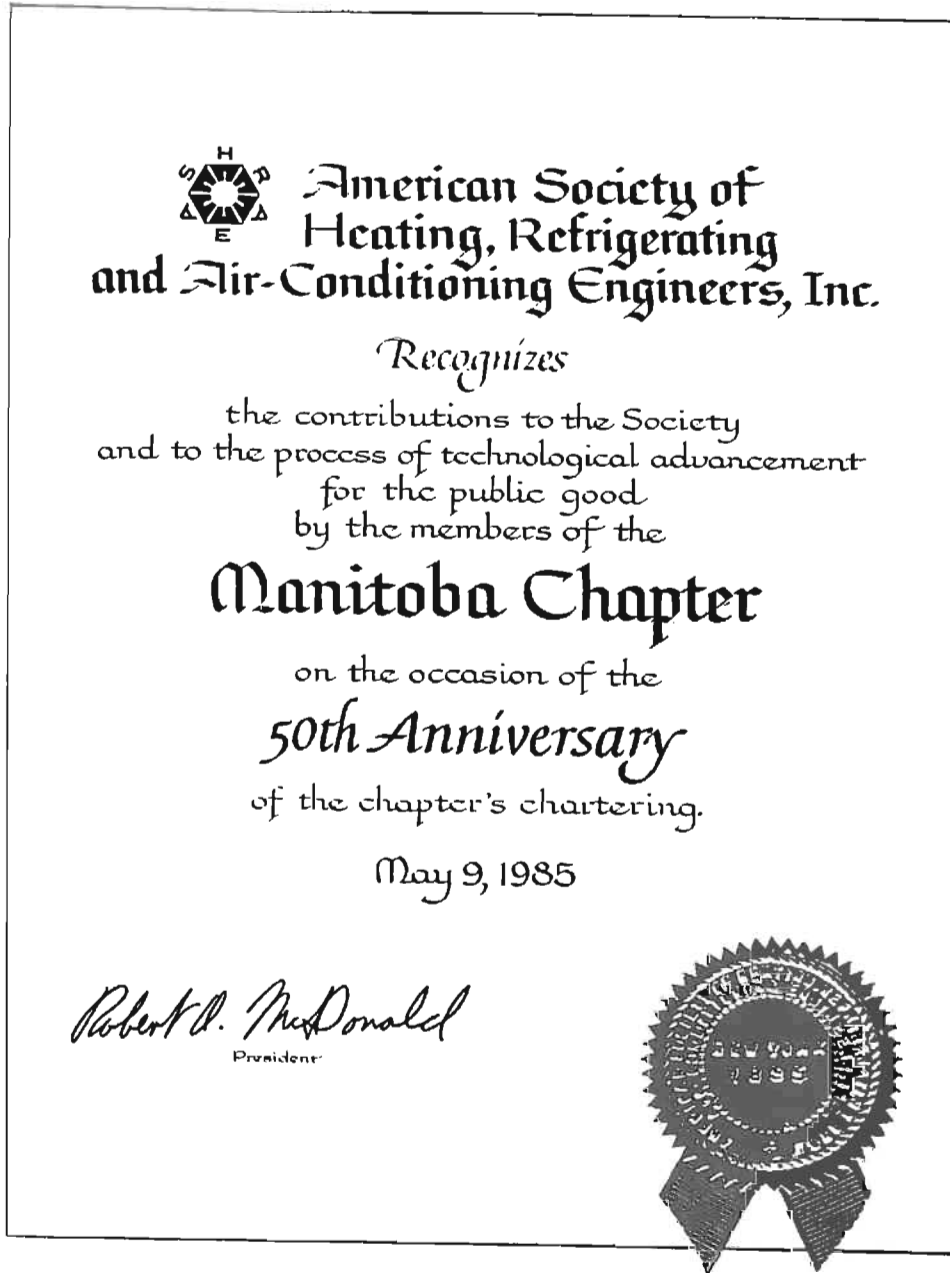
As at January 30th assigned Society membership was 142.

Robert McDowall, Education Chairman, held a series of seminars on ACES, the ASHRAE continuing education studies.

Brian Webb, Refrigeration Chairmen conducted a refrigeration seminar at the University of Manitoba.

Ladies Night at the Squash Club on Mar. 3rd cost \$55.00 per couple for beef wellington dinner and complimentary wine.

The March 19th meeting was addressed by John Elias, Industrial Hygiene Branch of the Workplace Health and Safety Division of the Provincial Government on the topic "Tight Building Syndrome".



Chapter's 50th Anniversary

Manitoba Chapter celebrated its 50th anniversary by hosting the Chapters Regional Conference on May 8th to 10th. President Jerry Fugate welcomed delegates and Dave McKibbin, CRC Committee Chairman and his Committee Members ensured that the event was an outstanding success. (See article on 1985 Chapters Regional Conference)

PRESIDENTIAL PROFILE - Jerry L. Fugate, P. Eng

Jerry L. Fugate

Jerry was born in Fort Frances, Ontario and attended school in Kenora, Ontario. He graduated from the University of Manitoba in 1977 with a Bachelor of Science Degree in Mechanical Engineering.

In 1977 he went to work for Scouten Mitchell Sigurdson and Associates Ltd. as Head of the Energy Department. Here he was responsible for energy audits, energy conservation reports and building mechanical system retrofit. He also prepared operation and maintenance programs and designed solar energy systems.

Jerry moved to Smith Carter Partners Ltd. in 1984 to become Senior Mechanical Engineer. He was responsible for the mechanical department with a staff of four. The major project was the design of a new Energy Centre for the St. Boniface General Hospital. In 1985 he joined the Department of National Defence - Air Command Headquarters, Winnipeg, as Project Engineer, a position that he still holds.

Jerry is a member of the Association of Professional Engineers of Manitoba and a member of the Manitoba Energy Committee.

He joined ASHRAE in 1978 and served the Manitoba Chapter as Vice President in 1982, President Elect in 1983 and Chapter President in 1984. He was co-chairman of the 1985 CRC hosted by the Manitoba Chapter.

Jerry is married to Patricia and they have two children. His favorite activities are fishing, hunting, snowmobiling, curling and his favorite place is his summer cottage at Sioux Narrows, Ontario.

1985 - 86

President	Robert McDowall, University of Manitoba
Pres. Elect	Barbara Langford, Honeywell Controls Ltd.
Vice-President	Neil J. Childs, IIT Fluid Products Canada
Secretary	Ivan A. Hall, MCC Powers
Treasurer	Murray Walker, Transport Canada
Past President	Jerry L. Fugate, 130 Costello Drive

HIGHLIGHTS

June 18th was the occasion of the first ever poolside meeting of the Board of Governors at the Robert McDowall residence.

Chapter meetings were held at the Holiday Inn Downtown.

Les Howard organized a successful Golf Tournament on September 20th at Breezy Bend with guests from the Mechanical Contractors, resulting in a total of 50 players.

Tom Newmark, Copeland Refrigeration of Canada spoke to the October 15th meeting on "Disc Valved Semi Hermetic Compressors and Scroll Compressors".

On November. 19th a nasty snowstorm almost wiped out the chapter meeting, resulting in the chapter losing \$240.00 for meals for no shows. Dave Michie, Regional Vice Chairman, Research Promotion made it from Calgary but Det Goepfert, Regional Chairman, was stranded in Minneapolis, Minn. Jerry Fugate was again the winner of the annual cribbage tournament besting 17 other members to win a clock radio.

The January meeting was addressed by Jim Hicks, Winnipeg Building Commission, who spoke on the new fire safety regulations.

Vancouver Island Chapter received its charter. Chapter held it's annual membership night at the February 18th meeting.

An Energy Management Seminar was organized by Sanson Yee on April 15th with the topics being "Plan Today For Tomorrow's Zero Energy Growth", "Indoor Air Quality -Especially Radon Problem" and "Clean Energy From Coal".

Neil Childs, Delegate and Murray Walker, Alternate were accompanied by a large delegation at the Vancouver CRC, an event made even more exciting because of EXPO 86.

PRESIDENTIAL PROFILE - Robert A. McDowall, P. Eng.



Robert A. McDowall

Robert was born in England. He obtained a degree in Electrical Engineering from Cambridge University but soon decided that HVAC designers had more fun so he switched disciplines. His first project was for a maths and geology building for his alma mater.

He then worked for IBM as their Estates Engineer, responsible for all offices and computer bureaus in England and Scotland. He next moved into project management, working on a hospital in Karachi, Pakistan for the Aga Khan and a radio station for NATO. The latter project got him involved in tower inspections which took him to Turkey, Iceland and Canada.

His tower inspection and design experience enabled him to convince Teshmont Consultants to move him and his family to Winnipeg on September 5, 1975. He spent the next two years visiting all the Manitoba Telephone Systems microwave towers in Manitoba, including January visits to those between Gillam and Churchill. When Teshmont lost a major contract they had a major lay off which included Robert. He obtained employment as Energy Conservation Engineer at the University of Manitoba where he was instrumental in the installation of one of the first direct digital control systems in the world 1979 and is presently working on a second generation system.

Robert joined ASHRAE in 1979 and has served the local Chapter by being Education Committee Chairman in 1983 and 1984, Chapter President in 1985 and Editor of BUFFALO TALES in 1986, 1987 and 1990. In 1987 he conducted an ASHRAE HVAC Fundamentals Course and has presented many evening courses and a one day seminar on indoor air quality. He has also attended Chapter's Regional Conferences in Portland, Winnipeg, Vancouver, Richland, Calgary and Saskatoon.

1986 - 87

President	Neil J. Childs, ITT Fluid Products Canada
Pres. Elect	Murray Walker, Transport Canada
Vice-President	Brian C. Roberts, Perth's Services
Secretary	Ivan A. Hall, MCC Powers
Treasurer	Ronald W. Salome, TransAlta Energy Systems
Past President	Robert McDowall, University of Manitoba

HIGHLIGHTS

Chapter dues raised to \$70.00 including dinners.

On November 10 a massive snow storm shut the city down, giving everyone a long weekend and almost preventing the publication of Buffalo Tales.

Paul Conrad, ASHRAE Director, addressed the November 18th meeting and encouraged more membership participation in Society activities.

November. 25 the chapter constitution and bylaws were updated and accepted by the Board of Governors.

The December 9th guest speaker was G. Lysak of City of Winnipeg Bylaw Enforcement who spoke on fire and life safety requirements in high rise buildings.

Brian Webb, Refrigeration Chairman, conducted a course, "Advanced Refrigeration and Air Conditioning" at Red River Community College on January 21st.

Membership Night was held at the Feb. 18th chapter meeting.

No less than nine companies contributed telephoners time on a regular basis to canvas members prior to each meeting so that attendance could be reliably forecast.

Brian Webb was elected special liaison between "R" in ASHRAE Chairman of Region XI to obtain all chapter's input in the rewriting of the Master Specification on Refrigeration Projects.

Past Presidents Night on March 17th saw an excellent turnout with 14 Past Presidents attending, the oldest date being 35 years ago, Bill Atkinson from 1952.

The annual golf tournament was arranged by Ray Sheng at Pine Ridge Golf Course on May 20th with guests from the Mechanical Contractors Association of Manitoba.

Murray Walker, Delegate, Brian Roberts, Alternate, and Dieter Bartel attended the May 27th CRC in Richland, Wash.

PRESIDENTIAL PROFILE - Neil J. Childs

Neil was born in Gilbert Plains, Manitoba in 1933 where he graduated from Brickburn High School with Grade XII in 1949. In 1963 he certified with an Intermediate Degree in Local Administration from the University of Saskatchewan, Saskatoon, Sask.



Neil J. Childs

He first became involved in our industry when, as a bookkeeper for MacKay-Morton Ltd. in 1962, he started getting asked questions about pumps and boiler controls. He soon moved to inside order desk and sales where he continued until in 1973 he joined J. R. Stephenson Ltd. selling boilers, pumps, water heaters, etc. This was in the era of the Greater Winnipeg Gas Co. Commercial Water Heater Rental Plan and everyone was very busy. In 1974 he became the Manager of the Winnipeg Heating Dept Branch of J. R. Stephenson Ltd. 1980 saw him join ITT Fluid Products as Area Manager, Central Region where he specializes in the applications and sales of pumps and heat exchangers as manufactured by Bell and Gossett.

Neil is a Past President of Willow Park Housing Co-operative Ltd., Charter member and Director of Willow Centre Elderly Persons Residence, Past Director of Ten Ten Sinclair Housing Inc. and Director of CHAM Holdings Ltd.

Neil joined ASHRAE in 1973 as an Associate Member and served the Manitoba Chapter on several committees before becoming the Energy Management Committee Chairman in 1984, Program Committee Chairman in 1985 and Chapter President in 1986. In 1987 he was appointed Chapter Historian, and in that position was instrumental in producing the first written history of the Manitoba Chapter. He was elected a member of the Society in 1989.

Neil and Marcia Paulley enjoy their twentieth floor condominium and spend their leisure time in their motor home whenever possible. His hobby is collecting pieces of old Meccano sets. He has a son, two daughters and one grandchild.

1987 - 88

President	Murray Walker, Transport Canada
Pres. Elect	Brian C. Roberts, Perth's Services
Vice-President	Dieter Bartel, Scouten Mitchell Sigurdson
Secretary	Ivan A. Hall, MCC Powers
Treasurer	Ronald W. Salome, Honeywell Controls Ltd.
Past President	Neil J. Childs, ITT Fluid Products Canada

HIGHLIGHTS

Meeting dates changed to the Thursday after the second Tuesday of each month, as Saskatoon and Regina met on Tuesday and Wednesday respectively, so that Society visits could be coordinated.

Chapter changed meeting venue to Assiniboine Gordon Inn On The Park to combat rising costs downtown. The Board also dispensed with having a formal head table as had been the custom and be seated with the general membership.

Andrew Hart of Naylor Hart gave the November 12th meeting an informative talk on fire and smoke dampers.

Dr. Gren Yuill spoke to the December 10th meeting on computer modeling and followed up with a discussion on radon gas infiltration and it's effects.

The first ever satellite seminar was held, topic "Ground Source Heat Pump." and Robert McDowall conducted an ASHRAE HVAC Fundamentals Course which was attended by 47 people.

Barbara Langford, Education Committee Chair, organized a committee to man an information booth at the Schools Career Symposium at the Convention Centre on March 1st.

A Mini Trade Show held on March 10th attracted 20 exhibitors with an attendance of 65. Income generated was \$2,196.00 which was donated to the Research Promotion Fund.

The April 14th meeting was designated Past Presidents night with the earliest office holder present being Douglas S. Swain (1947). The membership was addressed by Barney Burroughs, Society President.

Bruce Menlove, Past President 1973, received the Regional Award of Merit for his past services to the Region and Manitoba Chapter.

A joint golf tournament with the Mechanical Contractors of Manitoba organized by Ray Sheng was held on May 18th at the Pine Ridge Golf & Country Club.

PRESIDENTIAL PROFILE - Murray F. Walker, P. Eng.



Murray F. Walker

Murray was born in Brandon, Man. He graduated from the University of Manitoba in 1971 with a Bachelor of Science Degree in Mechanical Engineering with an introduction to computer programming and an option in industrial engineering including administrative theory and practice.

While at University he was employed by the Department of Mechanical Engineering doing research on rotary air-to-air heat exchangers. After graduation he was employed by the Works Division, Ministry of Tobago Affairs, Trinidad and Tobago as Mechanical Engineer responsible for a Mechanical Workshop, Asphalt Plant, Gravel Crushing Plant and planning new projects. In 1975 he returned to Winnipeg to join W. L. Wardrop & Assc. Ltd. as a Design Engineer until 1978 when he entered the employ of E. H. Price Sales Limited as a Sales Engineer.

In 1979 he moved to J-Tak Ltd. as a Sales Engineer until 1980 when he became a Design Engineer for Department of National Defence, Air Command, CFB Winnipeg. In 1982 he assumed the position of Regional Mechanical Engineer with Transport Canada, Winnipeg, where he is responsible for planning of capital and operating programs for airports within the Central Region.

Murray is a member of the Association of Professional Engineers of Manitoba, Chairman of the Group Committee of the Boy Scouts of Canada, a coach in the Manitoba Softball Association and on the Parents Committee of the Ile Des Chenes Elementary School.

He joined ASHRAE as a member in 1979 and served the Manitoba Chapter on the Reception Committee in 1980 and 1981, Treasurer in 1982 through 1985, President Elect in 1986, Chapter President in 1987 and Research Promotion Fund Committee Chairman in 1988 and 1989. He attended the 1986 CRC in Vancouver and the 1987 CRC in Richland, Washington. Murray enjoys golf and curling and in 1989 skipped the Manitoba Chapter rink in the John Ross Curling Competition in Regina.

He lives in Ile Des Chenes, Manitoba, is married and has two sons and a daughter.

1988 - 89

President	Brian C. Roberts, Perth's Services
Pres. Elect	Dieter Bartel, A. J. P. Engineering
Vice-President	Ivan A. Hall, MCC Powers
Secretary	Arthur J. Pankratz, A. J. P. Engineering
Treasurer	Dan E. MacKay, Johnson Controls Ltd
Governors	Neil J. Childs, ITT Fluid Products Ltd. Robert McDowall, University of Manitoba Randy E. Waylett, Honeywell Ltd.
Past President	Murray Walker , Transport Canada

HIGHLIGHTS

The format for chapter meetings was changed to insert dinner into the meeting process to try to prevent members from walking out before the speaker was due.

Chapter meeting locale was moved to the Assiniboine Inn where the meal cost was \$10.00.

Manitoba Chapter co-sponsored, along with the University of Manitoba a seminar on the topic "Ventilation at Work - Ventilation that Works".

Don Holte, Region XI Chairman met with the Board of Governors on November 10th and later addressed the chapter dinner Meeting.

A record twenty student members attended the Jan 14th meeting due to the efforts of Barbara Langford, Education.

First Trade Show was held before the Mar. 10th meeting with sixteen companies exhibiting, organized by Art Pankratz.

Murray Walker's rink, Neil Childs, Dieter Bartel, and Brian Roberts carried the Manitoba colors at the John Ross Curling Tournament in Regina and while unfortunately, they failed to win a single game, they had a really great time.

On April. 14th Neil Childs, Historian presented the first historical table display at Past Presidents night. Don Cummings agreed to serve on the Historical Committee.

Chapter member Brian Webb was elected as Vice-Chairman of ASHRAE Region XI Refrigeration Committee, his Refrigeration Chairmanship was taken over by Don Snider.

Ken Webb, Education Chairman started up a video tape library for the use of chapter members.

Chapter membership was reported at 69 with 185 assigned Society members.

The board assisted in the funding of a trip to Ottawa by two Student Members Garth Evans and Ronald Jonkman with a \$400.00 scholarship to present their design of a ventilation stack de-Icing system at the 1989 CSME Student Design Competition.

PRESIDENTIAL PROFILE - Brian C. Roberts, P. Eng.



Brian C. Roberts

Brian was born in London, England and moved to Canada with his parents in 1957 when his father obtained employment with Abitibi Paper Co., Pine Falls, Manitoba paper mill. Brian completed high school in Pine Falls. He was heavily involved in sports and Army Cadets and spent his summers between Cadet Camp and working at the paper mill. After graduation he worked for a year at the paper mill as a lab technician while deciding whether to pursue a career in Physical Education or Engineering.

His choice was the latter and he enrolled in the Faculty of Engineering at the University of Manitoba. Here again he took full advantage of extra curricular activities and won several sports awards. With a major interest in metallurgy he graduated with a Bachelor of Science in Mechanical Engineering.

Brian then became a foreman trainee with Iron Ore Co. of Canada in Labrador City. After 18 months he moved to Esterhazy, Saskatchewan as Project Engineer for International Minerals and Chemicals Corporation. He next moved to Winnipeg as a Sales Engineer for Ingersoll Rand Co. While he enjoyed sales the amount of travel caused him to take a position as Plant Engineering Manager for Boeing of Canada, until a chance for further advancement sent him to Canadian Co-operative Implements Ltd as Manufacturing Engineering Manager. Unfortunately the company closed it's plant but he was able to find a position as a Management Consultant at Coopers & Lybrand. While working there an associate introduced him to a major dry cleaning firm and he went to work for Perth's Services Ltd as Vice President Engineering.

Brian has now moved back into sales as he has formed his own company, Strebor Automated Systems selling automated uniform distribution systems across Canada and the northern United States.

Brian joined ASHRAE in 1984. He was Program Chairman and Vice President in 1986, President Elect in 1987 and Chapter President in 1987.

1989 - 90

President	Dieter Bartel, ICG Utilities
Pres. Elect	Dan E. MacKay, Johnson Controls Ltd
Vice-President	Kenneth L. Webb, Dept. of Highways
Secretary	Keith M. Walker, Red River Community Coll.

Treasurer Tim McGinn, K & D Engineering Ltd
Governors Murray F. Walker, Transport Canada
Don Snider, Coldstream Products of Canada
Randy E. Waylett, Temro
Robert G. Bisson, Energy & Mines
Past President Brian C. Roberts, Perth's Services Ltd.

HIGHLIGHTS

Meeting location was moved to the Viscount Gort Hotel with annual membership dues at \$80.00 including meals. Meal costs were \$11.00 including tax and gratuity.

Murray Walker, Research Promotion Chairman attended a special workshop held in Vancouver on October 7th.

The October 12th meeting was addressed by Peter Jackson on the topic of fans called "Variable Pitch for Technology".

Joyce Sim, Roster Chairman, revised the roster format from a small booklet to an 8 1/2 x 11 foldover saving many dollars in preparing the roster.

Ken Webb, Education Chairman applied to host a professional development seminar in Winnipeg.

A tour of the Conviron plant was held at the Dec. meeting.

The annual cribbage tournament was held on January 11th and was won by Don Cummings, Retired, his best outing since coming in second in 1983.

The February 16th Dinner Meeting was addressed by Dennis Cale, Annuity Quotations Ltd. who discussed retirement funds and investment options.

Robert McDowall spoke to the March 15th meeting on "Indoor Air Quality". Don Holte, Chairman Region XI, was also present and addressed the meeting on the increasing need for more engineers in the future.

A rink made up of Dieter Bartel, Neil Childs and Dan MacKay competed unsuccessfully in the John Ross Trophy Bonspiel in Regina.

Twenty-five exhibitors took part in Annual Table Top Show held on April 12th. In the afternoon a seminar on "How to Specify, Install and Commission Direct Digital Control (DDC) Systems" was conducted by Vic Woroby, Victor Engineering Ltd.

The speaker at the Dinner Meeting was Tom Frohlinger, Partner, Buchwald, Asper, Henteleff on the topic "Builders Lien Act", following a technical presentation by Jeoff Adair, Airtex Heating Panels Ltd. on the topic of perimeter radiant heating systems.

Dan MacKay and Ken Webb attended the Joint Chapters Regional Conference in Hawaii.

The annual meeting locale was changed to a smorgasbord at Merk's Restaurant which was enjoyed by those who attended.

PRESIDENTIAL PROFILE - Dieter Bartel

Dieter was born in Winnipeg in 1956 where he lived all his life. He attended various schools graduating from Miles MacDonell Collegiate in 1974 before attending Red River Community College where he graduated in 1975 from an Architectural-Mechanical Systems Drafting Course.



Dieter Bartel

He immediately gained employment at Scouten Mitchell Sigurdson & Associates as a Junior Draftsman and was eventually designing HVAC systems for project such as hospitals, schools, office buildings and medical centres. In 1979 he joined E. J. Faraci & Associates as a Design Draftsman where he designed HVAC, plumbing, and fire protection systems for projects throughout Western Canada. After a short stay at Carrier Western Limited as a Salesman in 1981 he returned to his designing career at Scouten Mitchell Sigurdson in 1982 until 1989 when he took a Senior Design-Draftsman position with A. J. P. Engineering Ltd. Later in the year he joined I C G Utilities, the local natural gas utility which later became Centra Gas.

Dieter has attended seminars at the ITT Bell & Gossett Little Red School House in Morton Grove, Ill. and a Systems Design Course at the William Bynum Education Centre in Syracuse, N. Y.

Dieter joined ASHRAE in 1980 as an Affiliate Member, advancing to Associate in 1986 and Member in 1990. He acted as Membership Chairman in 1985 and 1986, Vice-President in 1987, President-Elect in 1988 and President in the 1989-90 year. In 1990 as Past President he was Chairman of the Research Promotion Committee and in 1991 as Chapter Secretary.

Dieter currently lives in Winnipeg with his wife Gail, and children Adam and Angela, and is always involved in some way within our industry.

1990 - 91

President	Dan E. MacKay, Johnson Controls Ltd.
Pres. Elect	Kenneth L. Webb, Dept. of Highways
Vice President	Tim McGinn, K & D Engineering Ltd.
Secretary	Keith M. Walker, Red River Community Coll.
Treasurer	Raymond Sheng, University of Manitoba
Governors	Robert McDowall, University of Manitoba Robert G. Brisson, Dept. of Energy & Mines Don Snider, Coldstream Products of Canada
Past President	Dieter Bartel, ICG Utilities

HIGHLIGHTS

On October 16th Richard Armstrong, Regional Vice Chairman - Energy and Technical Affairs spoke to the chapter on Cold Climate Design Seminar.

The Chapter sponsored an ASHRAE Professional Development Seminar entitled "Automatic Temperature Controls" on October 23rd and 24th with speakers Roger Haines and John Levenhagen.

Chapter annual dues were set at \$85.00 for a full membership including dinners and \$25.00 for a basic membership without dinners.

Good progress was being made in setting up a video library under the supervision of Ken Webb, Education Chairman.

Don Holte, Region XI Chairman, spoke to the chapter on November 15th about "Ventilation for Acceptable Indoor Air Quality - ASHRAE Standard 62-1989. He also presented the chapter with the Presidential Award of Excellence for the year 1989.

The December 13th meeting consisted of a tour of the new Toronto Dominion Centre at the corner of Portage and Main guided by Richard Andridge and Cheryl McGinn.

The topic at the January 10th meeting was HVAC Commissioning with speakers James Jesney and Brian Wright.

The February meeting was designated Energy Management night with members Brian Webb and Brian Gaber speaking.

The Third Annual Table Top Trade Show was held on March 14, 1991. The organizer was Dieter Bartel. It was followed by the chapter meeting and the annual cribbage tournament which was won by Jean Chaput, the one who organized the affair.

The speaker for the April 11th was Bob Tarlton, Allied Chemicals Canada who spoke on CFC Issues.

The Chapter Annual Meeting was held on May 21st at Merk's Restaurant where the slate of officers for next year were elected.

Ken Webb, Delegate and Robert McDowall attended the CRC in Saskatoon, Sask.

The annual ASHRAE - MCAM GOLF Classic was held at Bel Acres Golf & Country Club and was a great success. The turnout was great and there were no less than eleven Past Presidents in attendance; Herb Sage 1970, Hy Dashevsky 1975, Brian Faurichou 1976, Les Howard 1979, Tom Patteson 1980, Dave McKibbin 1981, Ken McCharles 1982, David McNeil 1983, Neil Childs 1986, Dieter Bartel 1989 and Dan MacKay 1990.

PRESIDENTIAL PROFILE - Dan E. MacKay, CET

Dan was born in Sydney, Nova Scotia in 1956. He later moved to Ottawa where he attended Algonquin College and graduated in 1976 with Honors from the Mechanical Systems Design Technology Program.

He immediately entered the employment of Johnson Controls Ltd. in Ottawa as a Control System Designer and in 1978 as a Project Coordinator for various major control, energy management and building automation system installations with control system contract values from 1/2 to 2 million dollars.

In 1980 Dan transferred to the Johnson Controls Calgary office as a Project Manager and later as Engineering Manager. In 1983 he moved into Installation Contract Sales and in 1984 received the Company's Club D'Excellence Award for sales achievements.



Dan E. MacKay

He came to the Johnson Controls Winnipeg Branch in 1985 as Branch Installation and Service Operations Manager and in May 1986 was promoted to Branch Manager for Manitoba and Ontario Lakehead territory. Dan was awarded the Company's Club D'Excellence Award for Branch Achievements in 1988 and 1989.

Dan has been actively involved with local business organizations. He is a Director of Mechanical Contractors Association of Manitoba and Manitoba Certified Technicians and Technologists Association (MANCETT).

Dan joined ASHRAE as an Associate in Calgary in 1981. In Winnipeg he has served for two terms as Treasurer, then President Elect and Chapter President in 1990. He attained full member status in ASHRAE in 1990.

Dan lives in the River West Park area of Winnipeg with his wife Marilyn and children Samantha and Robert.

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Scouten Mitchell Sigurdson Consulting Engineers

Congratulations to ASHRAE Manitoba Chapter

On the publication of the Chapter History

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770 Bradford Street, Winnipeg, Manitoba R3H 0N3 Telephone 775-0291



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