

ASHRAE LONDON CANADA CHAPTER HISTORY

The idea of forming a Chapter of ASHRAE in London, Ontario, Canada had been in the minds of a number of people for some time. However, it was not until the Fall of 1970 when, over a longer than usual lunch, Jack Vanstone and Cliff Morrison started to firm up a definite proposal. As Cliff Morrison recounts, the longer the lunch lasted, the better ASHRAE looked. As a result of this meeting and other meetings held with other interested parties, including John Bisset and Russ Gonder, a formal meeting to organize the proposed Chapter was held at M. M. Dillon's Boardroom on 19 January 1971. Those in attendance were J. Vanstone, C. R. Morrison, J. Hoyle, F. Lucas and J. B. Bisset.

The proposed Board of Governors to consist of:

President	-	J. Vanstone
Vice President	-	C. R. Morrison
Secretary	-	J. B. Bisset
Treasurer	-	R. A. Gonder
Membership	-	D. Palsler
Telephone	-	F. Lucas
Bulletin	-	J. Hoyle
Social	-	L. Bloxham

Proposed Chapter Bylaws were submitted by Cliff Morrison, and a list of prospective members by Jack Vanstone. A number of other matters were discussed, including meeting dates, Chapter dues, speakers, and the date was set for a further organizational dinner meeting on 16 February 1971. This meeting was to introduce additional people to ASHRAE and hopefully obtain more people for committee work.

The first Chapter dinner meeting held on 16 February 1971 at the Highland Golf and Country Club was successful as 22 people attended and took part in budget discussions,

requirements for forming a Chapter, and how to join the Society. There were only nine ASHRAE members in the London area. Society admission fees were \$12.50, annual dues \$27.50, and reduced rates were offered to those under 30 years of \$7.50 and \$17.50 respectively.

The first regular meeting of the proposed London Chapter was on 2 March 1971 at Sunningdale Country Club. 54 people attended, including 18 from the Hamilton Chapter. Guest speaker was Region II Membership Chairman, Wilf Woodcock, subject: ASHRAE Organization and the Organization's Relationship to the HVAC Industry. Hamilton Chapter President, Frank Smith, also spoke on Chapter Operation.

The Board of Governors attended meetings on 30 March 1971, 27 April 1971, 25 May 1971 and 22 June 1971 with the following highlights: Individual meeting charge was to be \$4.00 including \$2.50 - \$3.00 for the meal. Annual dues to be about \$30.00, and the guest fee to be \$5.00. Cliff Morrison reported on his attendance at C.R.C., and Rust Gonder reported the bank balance as of 22 June 1971 to be \$89.50.

A regular meeting of the proposed London Canada Chapter took place on 13 April 1971 at the Highland Country Club and was attended by 41 people, all from the London area. Wilf Lamb, Architect, was the guest speaker, with a look at the future of the City of London, Ontario, titled 'London 2000'.

The final regular meeting of the 1970-71 season was 8 June 1971 at the Highland Country Club. The guest speaker was Professor David Kuechle, The University of Western Ontario, Business School. Subject: Labour Relations.

1971 - 72 JACK VANSTONE PRESIDENT

The first London Canada Chapter Golf Tournament was held in September at the Highland Country Club. Dick was the first winner of the Governor's Trophy, donated by the Chapter Board of Governors at their August Planning Meeting.

The speaker at the October meeting was Darrel J. Hermans, Johnson Controls. Subject: Air and Water Systems Balancing. Regional Director, Jake Klassen, was also in attendance. At a prior meeting with the Board of Governors, Jake confirmed the London Canada Chapter had been accepted as an Official Chapter effective August 1971. Charter night was to be arranged for next May 1972.

The November meeting at the Highland Country Club was addressed by Terry Murphy of Trane Co., on the subject of 'Variable Volume Systems'. Treasurer, Russ Gonder, reported Chapter Membership stood at 32 as of 30 November and the bank balance was \$1,005.00.

Garnet Nelson, Air Management Branch of the Department of Energy and Resources, was the speaker at the January 1972 meeting at the Highland Country Club. Subject: Research and Background of the Standards set by Energy and Resources.

Bob Kalle of Wintec Corporation Ltd., spoke on 'Project management' at the February meeting, and Andrew T. Boggs of ASHRAE New York spoke on the subject of 'ASHRAE History' at the March meeting, both of which were at the Highland Country Club.

Mr. Don Allen Ph.D. President of Vibron was the April speaker at Highland Country Club on the subject of 'Sound'.

The London Canada Chapter received its Charter on May 8th 1972 at a well attended meeting, about 80 people, at Highland Country Club. The presentation was made to Chapter President, Jack Vanstone by Past President Mr. W. G. Hole. The ASHRAE Banner was presented by Frank Smith, Immediate Past President of Hamilton Chapter, the sponsoring Chapter. Region II Director Jake Klassen presented the gavel. The Chapter was the 117th Chapter.

The last regular meeting of the 1971-72 year was held at the University Club, University of Western Ontario, on June 13, 1972. Reception, Dinner and elections for the coming year were followed by a tour of the University South Chiller Plant.

1972-73 CLIFF MORRISON PRESIDENT

There are no records on file for the year 1972-73 including a lack of entries in the guest book,^]

1973-74 JOHN BISSET PRESIDENT

The Annual Gold Tournament was at Indian Hills with Fred Sanders coming out on top. A foursome from Hamilton Chapter returned home with the Frank Smith Memorial Cup. This cup was in memory of Frank Smith and his many contributions to ASHRAE in general and this Chapter in particular. The trophy was to be contended for annually at alternating venues. 48 people attended the tournament.

31 Members and 6 guests attended the October Meeting, where it was announced that immediate Past President Cliff Morrison was appointed Region II Education Chairman. The Speaker was Bob Stevenson of Sheldons Engineering. Topic: 'Fans and the Application of A.M.C.A. Developed Factors to Fan Catalogue Ratings for Various Types of Duct Systems'. The 1973-74 Chapter fees were set at \$35.00.

The November meeting was held at the University Club, University of Western Ontario, and included a tour of Electrical & Mechanical facilities at University Hospital. After the tour, Mr. J. Potter of Wing Company, gave an interesting talk on Rotary air to air heat exchangers.

At the January Chapter meeting at Highland Golf and Country Club, Education Committee Chairman, Jack McMilland reported University of Western Ontario had 14 students in the HVAC option, and Fanshawe Community College about 30 students. The Executive had proposed a Student fee of \$12.00 to cover newsletter mailing costs. Attendance at meeting would be \$3.00 each. Society was asking all Chapters to form an Energy Conservation Committee. Dick Palser, Membership Chairman, announced the Chapter had won a Blue Ribbon Award for increase in membership during 1972-73. Dr. E. G. Pleva of U.W.O., Geography Dept., was the speaker on the topic "London in the Year 2000". There were 50 paid up members as of December 31, 1973.

The February meeting at Highland Country Club received it's first report from the new Energy Conservation Committee, chaired by Vice President Russ Gonder. Eight Fanshawe College students with their instructor Mr. M. Cody, attended the meeting. Mr. J. Laidler of S. A. Armstrong Co., presented the topic, "Domestic Water Booster & Fire Package Pumping Systems."

At the March meeting, John Payne was appointed Region II Assistant Education Chairman and Walter Deans would take over Chapter research Chairman for Jack Vanstone. The speaker was Mr. K. Higgins of the Johnson Service Co., whose topic was "Centralized Computerised Control Systems" and included an audio-visual presentation prepared by Illinois Bell Telephone Co.

The Ivanhoe Curling Club was the venue for the April meeting. The speaker was Mr. H. C. Bierworth, Vice President Engineering, Mammoth Division of Lear-Siegler Inc., who gave an illustrated presentation of "Computer Simulations of Rooftop Systems" applied to 2 typical buildings.

At the May meeting at the Highland Golf & Country Club, it was agreed the Chapter would telephone poll members to determine who would be in favour of changing the meeting night from the second Tuesday to the fourth Monday of the month. This was necessary to avoid conflict with other functions being held at Highland on Tuesdays. The guest speaker Mr. J. McKnight of Carrier Corp. spoke on the topic: "The Refrigeration Cycle".

The last meeting of the 1973-74 year met at Highland Country Club on June 11, 1974. The newsletter contained a brief summary, prepared by Jeff Haywood, of the proposed new Standards put out by the National Bureau of Standards, Ottawa, dealing with energy conservation in new buildings. After installation of the new Chapter officers, John Whalen of John Whalen Ltd. chaired a panel discussion, comparing Fixed Price Contracts versus Incremental Pricing. The panellists were L. Bloxam, Emco Supply. J. Barth, B.I.B. Gen. Contractors, A. Wilson, Wilson & Somerville Electrical Contractors and B. Dickey, University of Western Ontario. The fourth Monday of each month was chosen as the new Chapter meeting day commencing September 23, 1974.

1974 - 75 RUSS GONDER PRESIDENT

The annual Chapter Golf Tournament was played at Thames Valley on September 18, 1974. The cost was \$12.00 for golf and dinner and \$8.00 for dinner only. 42 played golf and a further 18 came to dinner. John Hoyle was awarded the Governors Trophy. Chapter dues remained at \$35.00 and 12 new members joined Chapter. In addition, 13 students were enrolled. Average attendance during the year was 36 including guests, and it was reported the Chapter had about 60 members.

The above info was abstracted from the first newsletter of the 1975-76 season, but otherwise there are no other records on file for this year.

1975-76 JACK HENDERSON PRESIDENT

The Annual Golf Tournament was played September 15, 1975 at Thames Valley Golf Club, and the opening chapter meeting on September 22, 1975 featured a talk given by a speaker from Ontario Hydro titled: An Update on Energy Conservation.

The speaker at the January meeting held at Highland Country Club was Steve Bellringer of Union Gas Limited on the subject: The Future of Natural Gas in Ontario.

The February meeting at Highland Country Club featured 4 student speakers from University of Western Ontario introduced by Prof. J. D. Tarasuk, Faculty of Engineering Science. Mr. Don Ledgett Chairman of Region 2 attended and presented a Red Ribbon for the Presidential Award of Excellence and a Blue Ribbon for increase in membership, both for 1974-75 year.

The March meeting was at University of Western Ontario at the Somerville House, followed by a tour of the Main Heating & Cooling Plants, Central Maintenance and the Central Control System. After the tour a discussion period was addressed by Mr. Stan Toal, Superintendent of Utilities. Mr. George Chorley, Chorley & Bisset Ltd., and Mr. Richard Gee of Johnson Controls.

The topic of the April meeting was: Application of Water Source Heat Pumps for Energy Conservations, and the reception and dinner at Highland Country Club was preceded by a tour of London Towers, a Commercial and Residential Complex with approximately 350 heat pumps. The speaker was Mr. Tom Rogers, Manager of HVAC, American Air Filter Ltd., Montreal. The newsletter reported Chapter feed as \$45.00/annum and guest and student fees as \$7.00 & \$4.00 respectively. Membership stood at 48.

The final meeting of the 75-76 year held at Highland Country Club and featured Past President John Bisset of Chorley & Bisset Ltd., on the topic "Building Energy Analysis by Computer". He spoke about the use of computer programs to model the efficiency of older buildings and the design of new buildings.

1976-77 WAYNE BARKER PRESIDENT

The Annual Golf Tournament was played on September 16, 1976. Cost: Gold and Dinner \$15.00. Dinner only \$10.00. 46 played and 56 sat down to dinner. Rick Battersby was low gross and Wayne Barker was low net. Unfortunately, John Hoyle was unable to locate the Governors Trophy he was awarded, the previous year, in time to present it to Rick.

The Speaker at the first meeting of the year at Highland Golf & Country Club was Mr. Don Allen, Trane Co. Topic: Free Cooling with Heat Pumps Utilizing Centravacs.

The October meeting topic was "Pumps Large and Small, Installation and Servicing". The Speaker was Mr. Brian McGovern, S. A. Armstrong Co. In the newsletter Research Chairman John Bisset revealed Chapter had collected \$640.00 for ASHRAE Research Canada during the 75-76 year. The target was \$650.00. 42 members had paid their dues to date. New Region 2 Director, Mr. George Menzies, attended the meeting and presented the Chapter with the Presidential Award of Excellence for the second year in a row.

Mr. Barry Alexander, Sun Temp Solar Systems, made a presentation on "Installed Solar Heating Systems" at the November meeting held at Highland Country Club.

The January meeting at Highland Country Club featured Prof. T. W. McDonald, University of Windsor, speaking on the ASHRAE Research project "Multiple Tube Evaporator and Condenser Thermosiphon Loops". Mr. George Menzies, Director and Chairman of Region 2, and Mr. Al Oaks, Research Promotion Chairman of Region 2 also attended the meeting to help kick off the annual Chapter research fund drive.

In February the meeting at Highland Country Club was addressed by Mr. Fehrm, Vice President and General Manager of Symmons Industries Inc. Braintree, Mass. Subject: Application of Pressure Balance Valves in Plumbing Systems. A well presented subject.

28 Members and 6 guests were present for the March meeting at Highland Country Club. The Speaker was Stanton Stevenson, Stevenson, Evans & Polishuk, Barristers & Solicitors, London. The subject: Trust Mechanical Liens Act in the Construction Industry.

At the March Executive meeting Chuck Sharp advised the paid up membership was 58.

The April meeting featured 2 speakers from Honeywell, Doug McDonald, Residential Division and George Robb, Protective Systems Specialist, Commercial Division. The topic was of current interest. "Ionisation Smoke Detection, Residential and Commercial Design Applications".

The last meeting of the year on May 30, 1977 was also the fifth anniversary of the presentation of the Charter, and the Chapter celebrated with a steak dinner accompanied by wind. The Speaker was Mr. Peter Shaw, Solar Energy Society of Canada, London Chapter. 31 Members and 7 guests were in attendance.

1977-78 JOHN PAYNE PRESIDENT

Regional re-organization was discussed at the August 22, 1977 Board of Governors Meeting in which some disagreed with the proposed changes. The Chapter's views would be conveyed in writing to the Presidential Committee headed by Richard P. Perry. The Energy Conservation Committee and other interested parties would meet at Union Gas Ltd. on August 29, 1977 to consider the draft proposal and changes to the "Canadian Code for Energy Conservation in New Buildings". They would formulate our views and submit recommendations to the Region 2 Energy Conservation Committee who would be making a joint submission to N.R.C. Ottawa.

The Annual Golf Tournament was held at Fanshawe Golf Club on Wednesday, September 14, 1977.

The regular September Chapter meeting at Highland Country Club was addressed by Mr. George C. Lill, P.Eng., Keeprite Products. The topic: Heat Pumps - A Challenge to Heat Pump Design Applicable to the Canadian Situation. Annual dues were raised from \$45.00 to \$48.00. Research Promotion under John Bisset had raised \$940.00 during the previous year.

At the October meeting at Highland Country Club, Mr. Terry Base, University of Western Ontario, spoke on the subject of wind as an energy source. The title: Alternate Energy Sources. The membership was advised details of the Chapters Regional Conference being hosted by our Chapter on April 19, 20 and 21st, 1978 and volunteers were called for to assist the hard working CRC Committee comprising: Cliff & Jean Morrison, John & Jerry Payne, Russ & Lee Gonder, Jack & Beth Henderson and Wayne and Gail Barker.

Mr. Roy Duxbury, Technical Director, 3M Canada Inc., was the Speaker at our November meeting at Highland Country Club. His subject: Metrification.

Mr. Ian Blake, Agatronics Ltd., and Mr. Doug Rispln, Thermalchek Ltd. shared the podium at our January 1978 meeting at Highland Country Club. Their subject: Infra-Red Thermography, and It's Many Applications". The Infra-Red Camera was demonstrated and the talk ranged from It's use to detect heat losses from buildings and insulated pipes to spotting Grain or Forest fires.

The February meeting at Highland Country Club featured a panel discussion on "Water Source Heat Pumps" chaired by Len Swallow. The panellists were Chapter member, Bill Mitchell, John Hoyle,

Watson Ball and Jeff Hayward.

Three University of Western Ontario students were the Speakers at the March meeting held at Highland Country Club. They gave talks on their research projects, as follows:

Bob Romak & Paul Von Hatten

Evaluation of Solar Energy Media (solids) for Forced Air Systems

Norm Clarke

The Design and Testing of Heat Reclaim from Domestic Clothes Dryers

The Chapter awarded each student \$25.00.

The April meeting was combined with the Chapter's Regional Conference Banquet held at University Club, University of Western Ontario. The presiding officer was John Payne, London Chapter President. The regular business of the Chapter meeting concluded with proposing the slate of officers for next year. Orlando Zamprogna representing the Mayor, welcomed delegates to London and Southwestern Ontario. Charles Sepsy, ASHRAE Treasurer, spoke on the theme "Our commitment at This Time". He pointed out the ever increasing scope of ASHRAE research and the public's expectation of ASHRAE in the future.

Wayne Barker introduced the principal speaker, Dr. Alan Davenport. He talked about the work being carried out in the Boundary Layer Wind Tunnel. He discussed projects such as the C.N. Tower and the World Trade Centre in New York. The evening concluded with tours of the Wind Tunnel Facility followed by dancing until 12:30 a.m. The cost of attendance was \$25.00 per couple or \$15.00 single.

The final meeting of the 77-78 year was at Highland Country Club and featured a Chapter Past President Russ Gonder, Assistant Director, Operations & Maintenance Section, University of Western Ontario. His topic was "Conversion of Constant Volume Systems to Variable Volume at the Social Sciences Building".

APPENDIX "B"
LONDON CANADA CHAPTER
BOARDS OF GOVERNORS

	<u>1971-72</u>	<u>1972-73</u>	<u>1973-74</u>
President	J.A. Vanstone	C.R. Morrison	J.B. Bisset
Vice-President	C.R. Morrison	J.B. Bisset	R.A. Gonder
Secretary	J.B. Bisset	R.A. Gonder	J.L. Henderson
Treasurer	R.A. Gonder	J. L. Henderson	W. H. Barker
	<u>1974-75</u>	<u>1975-76</u>	<u>1976-77</u>
President	R.A. Gonder	J.L. Henderson	W.H. Barker
Vice-President	J.L. Henderson	W.H. Barker	J.J. Payne
Secretary	W.H. Barker	J.J. Payne	W.W. Mitchell
Treasurer	J.J. Payne	W.W. Mitchell	C.L. Sharp
	<u>1977-78</u>	<u>1978-79</u>	<u>1979-80</u>
President	J.J. Payne	W.W. Mitchell	C.L. Sharp
Vice-President	W.W. Mitchell	C.L. Sharp	W.A. Rutherford
Secretary	C.L. Sharp	W.A. Rutherford	E.T. Dawson
Treasurer	W.A. Rutherford	E. T. Dawson	D.F. Morton