

ASHRAE Ottawa Valley Chapter

Chapter Meeting # 7 April 2003 Approved



Meeting Date: Tuesday April 15, 2003
Location: Capone's Restaurant, 1701 Woodroffe Avenue, Nepean
Presiding Officer: President Lan Chi Nguyen Thi
Attendance: Total: 68 Guests: 19 Students: 0
Theme Night: Research
Technical Session: ASHRAE Learning Institute, presented by Dr. Stanley Mumma, Trustee A.L.I.
Table Top: HTS Engineering – Rod Lancefield
Jay R. Smith – Marv Whalen
Siemens – Sandy Ciccaro
Program: Dedicated Outdoor Air Systems
Speaker: Dr. Stanley Mumma, Professor of Architecture Penn State University
ASHRAE Distinguished Lecturer
ASHRAE Learning Institute, Trustee
Prepared by: Cathy Godin – April 17, 2003

Technical Session (4:40 – 5:15)

ASHRAE Learning Institute presented by Dr. Stanley Mumma

Social (5:30 – 6:30)

Business Session (6:35 – 6:50)

- President Lan Chi Nguyen Thi opened the meeting and welcomed all in attendance.
- President Lan Chi Nguyen Thi introduced Distinguished Lecturer, Dr. Stanley Mumma.
- President Lan Chi Nguyen Thi introduced the OVC 2002/2003 Executive and the Board of Governors.
- Jay Doshi introduced the guests.
- Frank Bann, with the help of guests Daniel Oakes and Robert Oakes, presented the 2003 Al Oakes award to Tony Doyon. The Al Oakes Award is awarded annually for recognition of an Ottawa Valley Chapter member's outstanding contribution to chapter service.

Dinner (6:50-7:30)

Business Session-Continued (7:30-7:50)

- The table top vendors briefly addressed the membership and encouraged those present to visit their displays.
- Paul Baker reported on the afternoon technical session, at which Dr. Mumma reviewed the various media and subject matter available for continuing education within our field.
- Paul Baker reported on our annual curling bonspiel and recognized the volunteers and organizers for their efforts. \$474 was raised for ASHRAE Research Canada and the 2003 bonspiel was won by Engineered Air.
- Joel Primeau & Frank Vaculik presented the 2003 TEGA awards. The recipients were as follows:
 - * New Institutional Buildings: University of Ottawa S.I.T.E. Building, Herb Dean
 - * Existing Residential Buildings: Minto Building Renewal Program, Kevin Courneya,

Jim Mills, Robert Smith & Doug Laviolette

* Existing Commercial Buildings: Varette Building, Jayendra Doshi

- Frank Bann thanked ASHRAE Research donors to date and hopes to wrap up his campaign very soon.
- Lan Chi Nguyen Thi announced that the roster should be ready for distribution at the May meeting; the balance of rosters not picked up will be mailed.
- David Eastwood announced the slate of nominees for the 2003-2004 season. The nominees are as follows:
 - * Lan Chi Nguyen Thi, Past President
 - * Cathy Godin, President Elect
 - * Glenn MacLean, Treasurer
 - * Tony Doyon, Ron Drummond, Don Johnson, Robert Lefebvre & Stewart Woermke, Governors
 - * Jason MacMurdo, President
 - * Jay Doshi, Secretary
- Joel Primeau made a motion to accept the slate as nominated and close the nominations. Ross McIntyre seconded the motion. The slated nominees will stand for election next month.
- Lan Chi Nguyen Thi announced that a former Ottawa Valley Chapter President (1953), Mr. George Ostiguy recently passed away.

Break (7:50-8:00)

Evening Program (8:00-9:00)

Program: Dedicated Outdoor Air Systems (DOAS) and Their Inherent Problems

Speaker: Dr. Stanley Mumma, Professor of Architecture, Penn State University
ASHRAE Distinguished Lecturer
ASHRAE Learning Institute, Trustee

- Joel Primeau introduced the speaker.
- Dr. Mumma presented his views of DOAS, including in depth psychometric analysis and discussed why he is convinced engineers should seriously consider them. The reasons are based primarily upon the following six propositions:
 1. Ventilation air distribution uncertainty in all air VAV systems.
 2. Excess OA flow and conditioning required for all air VAV systems.
 3. VAV box minimum settings must be surprisingly high.
 4. Inability of most all air VAC systems as currently designed to decouple the space sensible and latent loads and to provide adequate environmental safety.
 5. Significant first and operating cost savings can be realized when the DOAS employs total energy recovery as required by ASHRAE Standard 90.1-1999.
 6. Ceiling radiant cooling may be the optimum parallel sensible cooling approach to use with the DOAS.
- Tony Doyon thanked our guest for his presentation and presented him with a gift.
- Lan Chi Nguyen Thi reminded all present the next meeting is May 20, 2003. The theme is History, Past-Presidents' Night and Companions' Night.
- With no other business at hand, Lan Chi adjourned the meeting 9:10 pm

Distribution: **Board of Governors, All RVCs, DRC**

Please review the minutes and report any errors or omissions in writing to Cathy Godin.