

January 31, 2005

Meeting Notice

Tuesday
February 8, 2004

→ @ The WILLOW'S Golf & Country Club ←
382 Cartwright Street

Speaker: Ben Voss
Clear-Green Enviromental Inc.

Topic: Electrical cogeneration using biogas
technology and waste management involved

5:30 - 6:00	Cash Bar
6:00 - 6:45	Supper
6:45 - 7:15	Chapter Meeting
7:30 - 8:30	Dinner Speaker

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



ASHRAE

SASKATOON

ASHRAE
Saskatoon
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Newsletter
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Come support your Local Student Members



February is our Student night



We should have a lot of student members attending this month's meeting. Please come out and welcome our student members from SIAST, Kelsey Campus and the Univ. of Saskatchewan. Remember they are our future colleagues and chapter members. So give them your "Best" and make HVAC an attractive area to work in. Thank you.

Paul Khanna
Student Affairs



CTTC Report

Technical Courses:

Your local chapter of ASHRAE has recently ordered four short courses on the Fundamentals of HVAC, Air, Control and Refrigeration Systems Design. These courses will be offered every few months over the next year and will be lead by local instructors using ASHRAE manuals and materials. The courses will be aimed at members and non-members alike with significant discounts for local ASHRAE members. Watch the newsletter for times, instructors and locations.

Call for Instructors:

Your local chapter of ASHRAE will soon be offering a number of Fundamental courses using local instructors. The first course we plan on offering is: Fundamentals of HVAC Design.

This is a beginner's introduction to HVAC and is targeted at anyone who could use a general overview of HVAC systems, including:

- Recent engineering/technology graduates working in the HVAC&R industry.
- Experienced engineers and technologists entering the HVAC&R field from another area.
- Architects, technicians, construction or building management professionals who want to increase their knowledge of HVAC systems.

For more information on the course:

<http://www.ashrae.org/template/AssetDetail/assetid/25432>

The individual we are looking for is a senior designer or engineer with a number of years of experience in HVAC&R and a desire to share some of that experience.

If you are interested please contact me at Chris.Conley@dwel.com for more information on the course. Timetabling would be made to fit your schedule.

Chris Conley, P.Eng.
Chapter Technology Transfer Chair

Membership News:

Previous Meeting Attendance: Many thanks to those who attended the January 2005 Local Chapter meeting and speaker. Mr. Tom Gervais from Laars Heating presented us with an interesting topic on boiler modulation and sealed combustion. Those in attendance were:

Norm Hain	Brad Chisan	Reg Hofmann	Ryan MacGillivray	Paul Khanna
Jack Scott	Mike Osborn	Bill Dean	Bruce Waldbillig	Jason Praski
Kirk Campbell	Myles Bantle	Gord Nagus	Tom Grevais	Bernie Kaminski
Bernie Stadnyk	Bob Cowan	Elie Lambert	Keith Morson	Lloyd Labas
Keith Lehne	Greg Scrivener	Reg Povey	Chris Conley	Jeff Frie

Rosters: Saskatoon Chapter 2004-2005 rosters are available for pick-up at the local meetings

Membership Promotion Night: Tuesday February 8th will be the second of 2 membership promotion nights for the year. A phone call and invitation to Prospective Members will be sent out to people who could benefit from being an ASHRAE Member. If you know of someone who would like to become a member or if they are just curious about ASHRAE, bring them along to the next meeting. The cost for the meal and meeting for prospective new members has been set at \$10.00 per person. Membership promotion night will also be held in conjunction with student night.

New Members: I would like to acknowledge and welcome 2 new members to our Local Chapter.

Lisa Gerspacher	Venmar CES Inc.	New Member
Grant Roming	Ecco Heating Products	New Member

Web Site: The web site is now available and I am in the process of updating the content on the pages. The home page for the Saskatoon Chapter of ASHRAE is located at the following address:
<http://www.saskatoon.ashraechapters.org>

Jeff A. Frie A.Sc.T.
Membership Promotion Chairperson

The March Speaker will be Carl Lawson and the topic will be "Commissioning as Usual". Please take a moment to review the Speaker's Bio on the next page

CARL N. LAWSON
PWI Commissioning Services
Durham, NC

Carl N. Lawson is a Commissioning Authority for PWI Commissioning Services. Mr. Lawson has been involved in the ASHRAE Commissioning Process since 1984 and has remained active on the respective committees since that time. He has been involved in the commissioning process since 1962 when it was called "Total Quality Management" Over his career he has been involved in design, construction and owner representative. Prior to joining PWI, he was responsible for the commissioning process at Duke University Medical Center.

He has commissioned hospitals, medical clinics, prison laboratories, high tech facilities, medical office buildings, and office buildings projects in the U.S. and abroad. He has been responsible for developing a large number of the protocols that used today in the commissioning industry. Mr. Lawson is a pioneer in the commissioning industry and a frequent lecturer on the process. In 2000 he was awarded the Benner Award for his dedication to the commissioning process. He has also received the ASHRAE Distinguished Service Award. From 1984 to 2000, he taught the Commissioning Course at the University of Wisconsin and now an instructor for the Commissioning Course taught by the Building Commissioning Association.

Mr. Lawson has been a contributor to three books; *Indoor Air Quality* published by AEE, *The HVAC Design Process* published by ASHRAE, and the latest, *The Hospital and Clinic Design Guide*, published by ASHRAE. He has also published numerous articles in the *ASHRAE Journal* and presented numerous papers and seminars at the ASHRAE Annual and winter meetings.

Mr. Lawson is an ASHRAE member, a member of the Handbook Committee, and Chair of Committee for the ASHRAE Position Document on Mold and Mildew. He is a member of GPC-1, HVAC Commissioning, and a member of TC 7.12, Building Commissioning. He has also served as a member of the Standards, Program, Journal and Insights, and Special Publications Committees.

LECTURE TOPICS:

Commissioning as Usual

This talk explains the history of Commissioning, where it came from, and where it is going. We will discuss why you can't afford not to do commissioning, the business of commissioning, how to get started in the business, and some of the processes that must be done along the way. After exploring the area of the concept, the evaluation phase will be discussed and explained in detail. We will discuss state-of-the-art systems from a critical perspective. Through an analysis of the deficiencies in the performance and economic parameters, we will look at the theory of operation and maintenance and how commissioning will benefit those areas.

Operation and Maintenance of HVAC Systems for Improved Comfort and Air Quality

Indoor air quality is of increasing concern as society redefines the needs of the indoor environment. This talk presents a new perspective on the topic, starting with the proper preventative program and how to reduce the opportunity of bad indoor air quality relating from a proper maintenance program. We will look at the location of outside air intakes, air-handling systems, cooling towers and other areas.

The Ethics and the Economics of Commissioning

This talk explores the Ethics and Economics of Commissioning and the failures that can occur due to ethics and economical reasoning from selective individuals. We will look at why it is necessary that a party who designs the systems is not the party who commissions it. We will look at the possibility of Life Cycle Costing and how it benefits the owner. We will also discuss how commissioning can benchmark certain areas of the facility for future use in design plus operation and maintenance.

3/1/04

ASHRAE – Chapter 102 Saskatoon Meeting
January 11th / 2005

- Mike called meeting to order.
- Introductions:

Jeff Frie	Chris Conley	Reg Povey
Greg Scrivener	Keith Lehne	Lloyd Labas
Keith Morson	Elie Lambert	Bob Cowan
Bernie Stapnyk	Bernie Kaminski	Tom Gervais
Gord Nagus	Myles Bantle	Kirk Campbell
Jason Praski	Bruce Waldbillig	Bill Dean
Mike Osborn	Jack Scott	Paul Khanna
Ryan MacGillivray	Reg Hofmann	Brad Chisan
Norman Hain		
- Minutes from last meeting were not available. No minutes were recorded from Decembers meeting.

OLD BUSINESS:

- Mike will put a preliminary list together of what will be included in the ASHRAE library.
- Motion to adopt purchasing of outlined titles as on list, for the minimum amount of \$3563.75.
- Second by Chris Conley
 - o Discussion of what is involved took place.
 - o Paul Khanna would like to break down what is to be purchased.
 - o Dollar amount of library was discussed.
 - o Recommendation not to purchase handbook by Bill Dean.
 - o 30% better than Standard 90.1 would like to be added to library.
 - Motion for an amendment of first motion, to delete handbooks from library collection.
 - Second by Gord Nagus, second by Chris Conley.
 - Discussion of deletion of handbooks from library took place.
 - Vote of amendment of deletion of handbooks from library was brought forth.
 - Vote of amendment passed unanimously.
 - Motion of amendment brought forward in a proposal to purchase 2005 Winter Meeting Transactions at a cost of \$239 USD by Bill Dean.
 - Second by Norm Hain.
 - Bill Dean will withdraw motion to add 2005 Winter Meeting Transactions.
 - Motion to add 30% Better Than Standard 90.1 Design Guide into library collection.
 - Motion to amend motion to include Industrial Ventilation Guide in library collection as well.

- Second by Jeff Frie.
- Discussion took place about motion and amendment.
- Vote to accept motion to add additional materials to ASHRAE library.
- Vote of motion passed unanimously.

- Motion to have a maximum amount of \$3563.75 of funding for ASHRAE library by Reg Hofmann.
- Second by Brad Chisan.
- Vote on motion to have a maximum amount of \$3563.75 available for ASHRAE library funding.
- Vote of motion passed unanimously.

- Vote to adopt purchasing of ASHRAE library was brought forward with a maximum amount of \$3563.75.
- Vote to purchase ASHRAE library with a maximum amount of \$3563.75 passed unanimously.

REPORTS:

Programs – Reg Hofmann

- Next months speaker will be Ben Voss. He will be discussing co-generation of methane gas from a hog barn.
- Will have Carl Lawson in March for guest speaker. Carl Lawson is a D.L. (distinguished lecturer)

Treasurer – Bruce Waldbillig

- Bruce has given cheque of \$500.00 to Paul Khanna for SIAST Kelsey Scholarship fund.
- Balances were given for local chapter:

Chequing	\$19,040.22
T-Bill	\$ 4,183.85
Balance Fund	\$10,367.64
- Everyone has paid up to date for meal plan.

Research Promotion – Jonathan French

- Not Present.
- Donation chart is current as of today January 11th, 2005.

Membership – Jeff Frie

- 13 new student members have signed up, with a total to date of 23.
- Chris Conley has been upgraded in membership status.
- Will be contacting members with close to 12 years of membership for upcoming advancement.
- Membership night will be February meeting.
- Rosters are still available.

History – Jack Scott

- The John Ross curling bonspiel will be held in either February or March.
- The local curling bonspiel will be held in February 12th, 2005.

- Dinner will not be at Craw Daddy's; it has been changed to Joe Dog's for the local curling bonspiel.
- Will be passing the sign up sheet around for the local curling bonspiel.

Student Affairs – Paul Khanna

- February is going to be student night.
- There will be approximately 15 to 20 students attending from Kelsey.
- Will consider at Board of Governors meeting where to hold next meeting in February.

CTTC – Chris Conley

- There has been not much interest of guest teachers.
- Will look into self-taught courses.

NEW BUSINESS:

- None to report

Motion to adjourn by Lloyd Labas.

ASHRAE Library	
Material	Cost
Complete Set of Standards (Printed edition)	\$ 1,580.00
Advanced Energy Design Guide For Small Office Buildings	\$ 47.00
Industrial Ventilation: A Manual of Recommended Practice	\$ 90.00
ASHRAE Greenguide	\$ 79.00
Air-conditioning Design Guide	\$ 67.00
Designer's Guide to Ceiling-Based Air Diffusion	\$ 79.00
Ground Source Heat Pumps - Design of Geothermal Systems	\$ 69.00
HVAC Design Manual for Hospitals and Clinics	\$ 87.00
Laboratory Design Guide	\$ 74.00
Design Guidelines for Displacement Ventilation	\$ 47.00
Design Guidelines for Underfloor Air Distribution	\$ 69.00
The material will be located at the Kelsey Library.	
TOTAL (US\$)	\$ 2,288.00
Exchange	\$ 480.48
Shipping (Approx.)	\$ 200.00
TOTAL COST	\$ 2,968.48