Membership Promotion Night
Research Donor Recognition Night

Using Active Desiccants to Solve Moisture Problems in Hospital Operating Suites

5:30—Social Time
6:15—Dinner
6:45—Chapter Business
7:15—Main Program

November 9, 2009
Engineer’s Club of Dayton
110 East Monument Avenue

RSVP: By Thursday, November 5, 2009, 12 noon
Jeremy Fauber at JPFauber@heapy.com or 224-0861

Cost:
Members and prospective members: free
Student ASHRAE members: $10
Non-members: $20

Program Summary: Excess moisture presents challenges in operating rooms. Desiccants are one alternative to solving this problem. Review the psychrometrics processes involved and learn about the use of desiccants for other applications such as chilled beams, archival storage and environmental chambers.

Speaker: Tom Peterson (CEO)- CDI (Concepts and Designs) (see speaker biography, page 3)

Free gifts for membership sign-up at meeting!

Don’t miss out—make reservations now!
Presidential Ponderings

I want to thank all the companies and individuals who participated in the Dayton ASHRAE product exposition this year and helped make it successful. I’d also like to give special thanks to Bruce Knapp for his behind the scenes work in helping to organize this event; the chapter would not be successful without the continued dedication of our volunteers.

The chapter is beginning its plans for the golf outing next year and is looking for volunteers to serve on the committee. Once again Steve Fraley has agreed to head the committee, however the Board of Governors would like one or two more members to help with the event. If you are interested in helping out please contact me or Steve.

November brings our research and membership promotion night to our meeting. At this meeting we commemorate those individuals and companies who have supported ASHRAE research in the past year. As a membership promotion night, any prospective member can attend the meeting at no charge. If you know of a coworker or colleague who can benefit from ASHRAE please bring them to the meeting.

Two months ago the Board of Governors agreed that the Dayton chapter should begin to serve the community in another way, by starting a scholarship fund. One of ASHRAE’S five core values is advancement; “We are committed to the advancement of the arts and sciences of HVAC&R for the benefit of society through research, technology development and transfer, and education and training.”¹ A scholarship fund will be another way that the local chapter can help to fulfill Society’s core value of advancement by encouraging and supporting the education of individuals in engineering or HVAC&R education programs. Frank Mauro has agreed to head a potential scholarship committee and we have several other prospective committee members. Before the chapter can proceed with creating the scholarship fund, the chapter members must approve the fund in a vote, which will be held at the November meeting. If the scholarship fund is approved, the chapter will designate some of the funds received from last month’s product exposition to the scholarship fund and the scholarship committee will determine the requirements for scholarship recipients. The Board kindly requests that all dues paying members of the local chapter attend the meeting to cast a vote about the creation a scholarship fund.

Jeremy Fauber, PE, Leed AP

¹This statement was taken from ASHRAE’S webpage.
January Holiday Party—Gourmet Dinner by Sinclair Culinary Competition Team!
Watch for details next month!

Coming Soon!

Education News:
Sinclair Community College is offering classes in REVIT design starting January 4, 2010. Courses in REVIT Architectural, REVIT Structural and REVIT MEP are all available conveniently during the evening hours. Don’t be left behind—sign up for classes today at www.sinclair.edu. Contact Larraine Kapka at Larraine.kapka@sinclair.edu for more details or assistance in selecting the proper course.

Speaker Biography:
Tom Peterson, CEO
Tom is a native Minnesotan, born and raised in Owatonna to a farming family. He attended the University of Wisconsin – Stout where he studied Industrial Technology.

Tom’s experience is primarily in the field of manufacturing Heating, Ventilating and Air Conditioning (HVAC) products with positions in manufacturing and distribution. In 1989 Tom and his wife Sue started Concepts and Designs (CAD) in their home as a Computer Aided Drafting company providing drafting services. In 1991 the business was incorporated as Concepts and Designs, Inc. (CDI) and began manufacturing. The 20-year-old company manufactures desiccant based dehumidifiers and custom air handlers that are distributed through independent manufacturer’s representatives around the world.

As a practicing entrepreneur Tom and Sue have also owned and operated an aviation service company, a natural cosmetics company as well as a coffee importing business. They currently have a real estate holding company for industrial properties that are leased.

Tom has served on the Owatonna Business Incubator Board, Minnesota Technology, Inc. Board of Directors and is currently serving on the Engineering Board of Oral Roberts University.

Tom and his wife, Sue, have four children ages 18 to 31. They are active in their local church and community.

Alan Watton, Jr., PhD.
The Dayton HVAC Community and Dayton ASHRAE lost a good friend on Thursday, October 22, 2010. Born on August 9, 1915, Al became a Registered PE in Ohio on 1945. Al had a full career at Wright-Patterson Air Force Base before getting involved with the HVAC Program at Sinclair Community College. He joined ASHRAE in May, 1978 and became a life member in July, 2008. Al was the Dayton Chapter Education Chair from 1983—1986, and the Region V Education Vice Chairman from 1986-89. Al was a member of Society Technical Committee TC1.1 "Thermodynamics and Psychrometrics” from 1988 thru 2002. Al worked with Gif Solem and Russ Marcks on two NSF Grants on Control system Response. The results of the second project were reported in a June article in ASHRAE Journal, with a second article in the final editing stages.

Tom Peterson, CEO
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Jeremy P. Fauber
President, Dayton ASHRAE

August 18, 2009

Dear Mr. Fauber,

I am writing to ASHRAE chapter presidents to report on a successful launch for ASHRAE Jobs (http://www.ashraejobs.com/) and to ask that you consider linking to this ASHRAE service from your chapter website. I am Greg Martin and am responsible for HVAC&R corporate services available on the ASHRAE website.

On June 15th, ASHRAE launched its full services Career Center for ASHRAE members and HVAC hiring authorities. The reception has been magnificent as the number of job seekers, resumes, and employer job postings have risen each week. We are very pleased. The Career Center is user friendly. The products and services match that of traditional big box boards such as Monster.com, yet the information and postings are specific to the ASHRAE Community. Job seekers have a shorter and more pleasurable search experience, and employers have immediate access to a pre-filtered pool of talent. One unique feature is that Center highlights ASHRAE members. The online job application form requires an applicant to identify themselves by membership status. So does the resume posting form. And, employers can sort applications and resumes by their status.

to the ASHRAE Jobs Career Center. You will find attached an e-copy of the logo to use on your homepage. We would also appreciate an announcement through your eNewsletter, blogs, etc.

If you have questions, I (gmartin@ashrae.org) or John von Harz (Services Manager at jvonharz@mepjobs.com) will be pleased to answer them.

Thank you, Greg
Research Promotion Recognition Night

Our November meeting is our annual Donor Recognition night for the Chapter. I want to thank all of the individuals and companies who came forward last year in spite of the tough economic climate to achieve a best ever total for the chapter - $10,474! One thing I have noticed over the years is that the majority of donors are regulars. I want to thank you for your consistency and I encourage those of you who have not contributed in the past to get on the wagon – contributing to the industry that nurtures you can be habit forming!

Here are the donors who contributed last year at the honors level ($100 for individuals and $150 for companies):

**Companies:**

- $5,000 – Emerson Climate Technologies (Copeland)
- $1,000 – Waibel Energy Systems
- $500 – Ramsay Cohron Mechanical Equipment
- $250 – Heapy Engineering
  - Uptime Solutions Associates Inc
- $150 – Allied Supply Company Inc
  - Contech Design Inc
  - Helmig Lienesch LLC
  - Weber Huff Inc

**Individuals:**

- Gregory P. Cohron, James C. Davidson,
- Jeremy P. Fauber, Joseph S. Ferdelman,
- Thomas J. Ferdelman, Sidney L. Hagan,
- Coleen A. Haun, Larraine A. Kapka,
- Dennis R. Lammlein, Russell K. Marcks,
- Frank A. Mauro, John R. Patterson, Jr.,
- Richard L. Pavlak, Mark H. Rapier

Thanks to all!
Let’s break $10,000 again this campaign!

Denny Lammlein
Research Promotion Chair
Contribution Form

Last year was a good year for the Dayton Chapter, but we can’t let down now! With so much work to do to reach ambitious energy consumption reduction goals, more research is needed than ever before! You can help make the difference!

This industry gives all of us our livelihood. ASHRAE’s research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Confident that you will recognize the benefits of this investment, I am asking you to help fund future HVAC&R research and development.

Amount enclosed: ___ $250     ___ $150     ___ $100     ___ $50     ___ Other (specify) _________

Name: ________________________________

Address: ______________________________

                                   ________________________________

Phone Number: _________________________

Member Number (If known): ________________________________

Do you want to be recognized in the Dayton newsletter as a contributor? (circle)   YES   NO

Mail completed form with your check, payable to ASHRAE Research to:

Denny Lammlein
29 Sandelwood Street
Springboro, OH  45066
“It’s not the heat, it’s the humidity,” is often used to explain the less-than-comfortable temperatures in tropical Florida. While the water-saturated air is perfect for hibiscus and alligators, humans have had to find their own ways to deal with the Sunshine State’s humid conditions. What better place to discuss this year’s conference theme: Building Sustainability from the Inside Out. Whenever the temperatures outside are too hot or humid to handle, ASHRAE ensures that indoor environments are comfortable and, most important, sustainable.

http://www.ashrae.org/events/page/2478
ATLANTA—As building owners and developers become increasingly concerned about rising energy costs and potential obligations under climate change programs, building energy modeling helps provide a preview into a building’s likely energy use and allows decisions affecting energy use to be made before a shovel even hits the ground.

To ensure that professionals modeling a building’s energy use have the skills necessary to produce an accurate model, ASHRAE is launching a Building Energy Modeling Professional certification. The first exam for the new certification program will be administered on Jan. 27, 2010, at the Winter Conference in Orlando, Fla. To register for the exam, visit www.ashrae.org/BEMP.

“Energy modeling is one of the most effective ways to achieve energy efficiency when designing sustainable buildings,” Gordon Holness, ASHRAE president, said. “Since buildings consume 40 percent of all U.S. primary energy supplies, and energy modeling is only as good as the consultant who uses it, ASHRAE’s newest certification program strives to ensure that engineers and architects achieve the highest possible standards when it comes to sustainable design.” Criteria to improve the accuracy of building energy models will help address some of the growing concerns within the building community that building designs do not necessarily translate to actual energy use once a building is constructed. Additionally, energy modeling will play a vital role in ASHRAE’s soon-to-be launched Building Energy Quotient (bEQ) program, which will feature both an “As Designed” and “In Operation” component. While the “In Operation” rating is based on actual energy use, the “As Designed” rating is based on the results of a building energy model. Careful and consistent energy modeling will allow modeling results to be compared with the results of models from other buildings. According to Holness, the certification will be an essential element for guaranteeing the quality of the bEQ program by assuring that there is a competent pool of building energy modelers.

Professionals who pass the certification exam will have demonstrated their ability to evaluate, choose, use, calibrate and interpret the results of energy modeling software, as well as confirm their competence to model new and existing buildings and systems with their full range of physics. The certification will also highlight a consultant’s ability to act as a leader for projects that focus on energy efficiency, especially projects that deal with green buildings and building labeling programs, such as bEQ.

The Building Energy Modeling Professional program will help the individuals who earn it to distinguish themselves by providing confirmation of their skills and specialties by an internationally recognized engineering society. Professionals with such certifications have better chances of being hired, promoted and/or tapped for working on certain types of design projects. ASHRAE’s newest certification will become available at testing centers located around the world in March 2010 and was developed in collaboration with the U.S. affiliate of the International Building Performance Simulation Association and the Illuminating Engineering Society of North America.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.
Dayton Chapter ASHRAE
http://www.daytonashrae.org
Membership Application and Roster Information 2009-2010

____________________________________________
Your Name

____________________________________________
Your Company Name

_________________________________________________
Home Address

____________________________________________
Business Address

City  State  Zip  City  State  Zip
( )  -  ( )  -  ( )  -
Home Phone  Spouse Name  Business Phone  Ext.  Fax Number

SEND NEWSLETTER TO:  Home Address  Home email address  Business Address  Business email address

I prefer Lunch Meetings  I prefer Dinner Meetings  I have no preference

Chapter achievements are accomplished through active committee involvement. If you would like to promote your Society by serving as a committee chair or assist on one of the chapter committees, please indicate in which committee you are interested below. Please indicate your first preference by number 1 and so on.

__ Education  __ Membership  __ Research  __ Historian  __ Newsletter  __ Chapter Office
__ CTT (Refrigeration; Technical, Energy & Government; Programs)  __ Golf Outing  __ Communication
__ Holiday Party  __ Honors & Awards

Please Check Your Preferred Roster Affiliation

Consultant  Contractor  Industry/Government  Retired

Education  Student:  School  Degree  Approximate Graduation Date

Wholesalers, Manufacturer’s Rep/Sales Offices, Fill in trade names of products you represent below

Air Devices  Louvers and Dampers
Air Handlers  Make-Up Air Units
Boilers  Packaged A/C
Building Automation  Pre-Insulated Pipe
Chillers  Pumps
Coils  Sound Attenuation
Computer Room Equipment  Steam Specialties
Cooling Towers  Air Terminal Units
Ductwork  Thermal Storage
Dust Collection  Unit Heaters
Fans  Unit Ventilators
Fan Coil Units  Vibration Isolators
Filtration  Valves
Heat Exchangers  Variable Speed Drives
Heating Equipment  Water Source Heat Pumps
Humidity Control  Water Treatment
Kitchen, Laboratory Fume Hoods  Other

Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2009 and ending June 30, 2010 are $95 per year. Dayton Chapter ASHRAE dues include 6 dinner/lunch meetings, and both you and a guest for the holiday event.  * Note: Be sure to begin paying Local dues when you pay your National Dues.

Please return this application and a check or money order in the amount of $95 made payable to Dayton ASHRAE to:

DAYTON ASHRAE, PO Box 3202, Dayton, OH. 45401

Paid local dues with your annual dues?  Please return the form anyway!