Dear Nebraska ASHRAE Members,

This year we are focusing on how we can grow our Nebraska Chapter membership and how we can best serve our current membership. A strong chapter membership is key to the success of our chapter. We have a new membership chairperson this year in Jake Kopocis, jkopocis@controlservices.com. Jake has great enthusiasm for our Nebraska ASHRAE Chapter and has wonderful ideas on how we can serve our membership. We also have two membership co-chairs in Morgan Fogarty, morgan.fogarty@sampson-construction.com, and Ryan May, rmay@mechsales.com. Jake, Morgan, and Ryan will be splitting up the membership chair responsibilities between focusing on retaining our existing members and recruiting new members. This is an approach we feel will help provide the best service for our chapter. Ensuring our current membership feels they are benefiting from their investment in ASHRAE and are maintaining their member status is just as important to our chapter as recruiting new members.

We are encouraging existing ASHRAE members to serve as mentors to new members. Any existing member that encourages an industry professional to join ASHRAE and serve as their mentor for the year will be entered into a drawing. The goal of the mentorship program is to encourage new members to attend the monthly ASHRAE meetings, help introduce new members to the chapter, and encourage new members to become involved with the chapter operations if desired.

Our Membership Committee is also working on organizing Young Engineer’s in ASHRAE (YEA) events for this year. These events will help the young engineers in our community develop networking opportunities and expose them to the benefits of ASHRAE. ASHRAE Society in recent years has encouraged the development of young professionals through hosting a leadership weekend, creating a YEA society committee, and encouraging local chapters to focus on young membership. An ASHRAE member 35 years old or younger is considered a YEA member. If any member would like additional information on the ASHRAE YEA program or how they could become more involved with our local YEA events, please contact Jake Kopocis.

(continued)
President’s Message -- continued

Our chapter welcomes suggestions and input from our membership on how we can improve our Nebraska Chapter. Please feel free to contact Jake Kopocis, myself, or any of our board members throughout the year with comments or questions.

Best Regards,

Kim Cowman
Nebraska ASHRAE President 2011-2012

Membership Promotion

Mentorship Program

To promote new membership we are going to have a raffle at the May lunch meeting with prizes for mentors and mentees. If you have anyone in your office or someone you know who you can mentor and they join please send both of your names to Jake Kopocis (jkopocis@controlservices.com) to be entered in the drawing.

New Members & Member Upgrades

We would like to welcome our new members that have joined since October 1, 2011.

Ken Merchant – Control Services, Inc. Scott Weinandt – Johnson Controls

Thank you for joining the Nebraska ASHRAE Chapter and we look forward to seeing you at the meetings and events.

This month the membership committee will be working on informing those who are eligible for upgrades from Associate to Full Member. A Full Member is someone with 12 years or more of ASHRAE-approved experience in the HVAC&R Industry including college. If anyone thinks they are due for an upgrade or have any questions about this please contact Jake Kopocis (jkopocis@controlservices.com).

Communications/Technology Director Needed

If you are technology savvy, and looking for a way to contribute more to the Nebraska ASHRAE Chapter, now is your time to shine. We are looking for people in both Omaha and Lincoln who would like to help bring our chapter into the technology age. Maybe you have ideas that would make our chapter more effective, maybe you have the knowhow when it comes to computer-ease, or maybe you’re just interested and want to help out. Getting involved in the chapter is rewarding, and fun, so let Sarah Richardson (sarahr@spihvac.com, 402.214.8162) know if you would like to help.
Omaha Meeting – Tuesday, November 8, 2011

Location: Anthony’s Steakhouse, 7220 F Street, Omaha, NE 68127
Check-in: 11:30 a.m. (Please arrive early to facilitate serving meals)
Lunch: To be served prior to 12:00 p.m.
Menu: Club Sirloin $21.00
      Chicken Cordon Bleu $16.00
      Grilled Salmon $16.00
Topic: Load Match Pumping
Speaker: Greg Cunniff, Taco, Inc.

Pre-registration for this meeting would be GREATLY APPRECIATED!!!

Reservation required by Friday, Nov. 4, 2011: Alex Skillman, Leo A. Daly
ABSkillman@leoadaly.com

Omaha’s Featured November ASHRAE Speaker

Greg received a BS in 1969 and MS in 1970 in Aerospace and Mechanical Engineering from Montana State University. He is a licensed Professional Engineer in California, Florida and Montana.

Greg has experience with his own businesses as a Consulting Engineer for 10 years, A Manufacturer's Representative and Building Automation System contractor for 10 years, and a Design-Build Contractor for 10 years. He has been Manager of Application Engineering for Taco, Inc, since 2000.

He has authored a number of industry technical articles for publication, written technical literature and marketing brochures, developed informational and social media websites, developed engineering software, developed award winning new products and innovative systems, developed e-learning and continuing education programs and materials, and spoken at numerous seminars and continuing education training programs.

Future Omaha Chapter Meetings

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<th>Date</th>
<th>Event</th>
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<td>December 13</td>
<td>TBD</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>January 10</td>
<td>Omaha Chamber of Commerce</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>February 14</td>
<td>BIM Update</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>March 13</td>
<td>ASHRAE Distinguished Lecturer</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>April 10</td>
<td>UNO Student Chapter Meeting</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>May 8</td>
<td>Downtown Omaha Energy</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>June</td>
<td>ASHRAE Golf Outing</td>
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Lincoln Meeting – Wednesday, November 9, 2011

Location: Valentino’s, 35th & Holdrege, Lincoln
Check-in: Noon (Please arrive early to facilitate serving meals)
Lunch: To be served prior to 12:00 p.m.
Menu: Buffet $13.00
Topic: Load Match Pumping
Speaker: Greg Cunniff, Taco, Inc.

Pre-registration for this meeting would be GREATLY APPRECIATED!!!

Reservation required by Friday, Nov. 4, 2011: Mike Barry, Black Hills Corp
mike.barry@blackhills corp.com

Lincoln’s Featured November ASHRAE Speaker

Greg received a BS in 1969 and MS in 1970 in Aerospace and Mechanical Engineering from Montana State University. He is a licensed Professional Engineer in California, Florida and Montana. Greg has experience with his own businesses as a Consulting Engineer for 10 years, A Manufacturer’s Representative and Building Automation System contractor for 10 years, and a Design-Build Contractor for 10 years. He has been Manager of Application Engineering for Taco, Inc, since 2000. He has authored a number of industry technical articles for publication, written technical literature and marketing brochures, developed informational and social media websites, developed engineering software, developed award winning new products and innovative systems, developed e-learning and continuing education programs and materials, and spoken at numerous seminars and continuing education training programs.

Future Lincoln Chapter Meetings

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<th>Date</th>
<th>Topic</th>
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<td>December 14</td>
<td>HVAC Noise Control</td>
<td>Noon @ Valentino’s</td>
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<tr>
<td>January 11</td>
<td>LES Data Center Design</td>
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<tr>
<td>February 8</td>
<td>UNL Student Chapter MESC Competition Update</td>
<td>Noon @ Valentino’s</td>
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<tr>
<td>March 14</td>
<td>ASHRAE Distinguished Lecturer</td>
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<tr>
<td>April 11</td>
<td>Selecting the Correct Fan</td>
<td>Noon @ Valentino’s</td>
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<tr>
<td>May 9</td>
<td>Tim Wentz</td>
<td>Noon @ Valentino’s</td>
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I have been a somewhat active supporter of the Architectural Engineering program since I first heard about it. Prior to that, I supported the Engineering Technology program at UNO. I guess it all goes back to my own engineering education at Iowa State. When I graduated as a mechanical engineer I felt completely lost. It seemed like I had more trouble with mechanical engineering courses that any others. I remember a class where we were split up into teams and we were to design a snow mobile. I had no idea what I was doing and now don’t remember anything about it. I should have switched majors but I had gotten married after my sophomore year and I couldn’t afford to become a professional student and support my wife and son that was born 2 months before I graduated.

Fast forward now about 20 years and I got involved at UNO teaching some non-credit courses in HVAC, plumbing, testing and balancing and refrigeration. This was in conjunction with ASHRAE and the target student was a person usually working for a contractor or a design firm that wanted some additional training in a subject that wasn’t taught anywhere else. I think UNO charged $30 for a course and I got $600 if there were enough students signed up. That was a big amount in those days.

After I became more experienced in design, I realized the engineering technology program concentrated on those subjects we actually used rather than some of the required courses and others necessary to make up “well rounded individuals.” I guess I found it difficult to understand how to relate some of the theories of heat transfer to the actually calculations we needed to make to size a furnace or air conditioner. The same thing applies to theories of fluid flow. I see the value of that now but I sure didn’t at the time. My idea was that as an HVAC/plumbing designer, the UNO technology program graduate was better able to work for a design firm and become productive quicker that a mechanical engineer graduate from the big school.

Back in the early 90s, I heard about some new people in town that had degrees from Penn State where they learned about the work we were doing. In addition to mechanical, they also studied electrical, structural and construction. Next I heard that Kansas State offered a similar program. I was asked to serve on a committee to help select faculty at UNO to get a program started here. I went to periodic meetings and found this whole idea very enlightening. I am pleased to see the progress made and think it has been very successful. The graduates that I have come to know have impressed me with their knowledge and abilities.

Since my retirement, I’m not as up-to-date on all the current events. All of you probably know graduates from the AE program. I just learned recently that they have their own professional society like ASHRAE. It is called the Architectural Engineering Institute, AEI. There is even a local Nebraska chapter, one of very few in the country. They have scheduled a national Expo here in Omaha next March at the Scott Conference Center on the old Aksarben grounds, the UNO south campus. I understand this will be in conjunction with ASHRAE. More information will be available in the coming months.

I visited briefly with a current UNO student that is a member of a design competition team that will be participating in the upcoming Expo. If I have this right, several of the schools offering the AE degree will be competing against each other to design a high performance building. They will start with the existing Leo A. Daly Company plans for the National Park Service building just north of the Lewis and Clark Landing. They will then make design modifications to reflect seismic requirements and all these new green/Leed energy code requirements. Doesn’t this sound great? I wish I could have been part of the original design team to see what changes could make “my building” better. I asked this student friend if they had been given a budget and his answer was; typical for the government, NO. Did you ever design a project with no budget and given free reign to do the very best? With no budget, maybe they can pick the building up and rotate it for a better solar gain exposure.
**AEI/ASHRAE**

Date: MARCH 7, 2012  
Location: SCOTT CONFERENCE CENTER  
6450 PINE ST., OMAHA, NE 68106

Website: www.aei-ashraexpo.org  
Contact: info@aei-ashraexpo.org
Obtain the skills needed to:

- Improve overall building performance
- Design high-performance HVAC systems
- Effectively collaborate on an integrated design team

ASHRAE has created the HVAC Design Essentials to provide intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the newly renovated ASHRAE Headquarters building. The workshop teaches a systematic approach to guide a design team to a solution that optimally meets the client’s expectations.

Visit www.ashrae.org/hvacdesign to register
November Meeting 11/16/11
ASHRAE Learning Institute Course: Standard 90.1

Please join us on **Wednesday, November 16th** at the Ramada Tropics Resort on Merle Hay Rd. for our monthly lunch meeting and a 3 hour technical seminar on ASHRAE Standard 90.1.

PE's can earn 3 PDH's by registering for and attending this course.

This seminar is targeted at design professionals, code officials and building owners. Since 1989, the various versions of Standard 90.1 have been the benchmarks for commercial building energy codes in the United States and a key basis for standards in more than 15 countries around the world. The 2010 update of Standard 90.1 is a major revision with a goal of saving 30% more energy than the 2004 version. The 2010 version includes changes to Scope and Purpose along with other changes based on the 122 addenda that were considered. In addition to the course manual, attendees receive a discount toward the purchase of Standard 90.1-2010 and the Standard 90.1 User's Manual.

**Location:**
Ramada Tropics Resort
5000 Merle Hay Road
Des Moines, IA 50322
MAP

**Schedule:**
12 to 1PM- Lunch
1 to 4PM- ALI 90.1 Course
4 to 5PM- Social Hour

**Technical Course Cost:**
$75 to ASHRAE members
$150 to non-members

**Lunch Cost:**
Free to ASHRAE Iowa Chapter members
$25 to non-Iowa Chapter members

**Instructor Bio:**

Mack Wallace, P.E. has been a mechanical contractor, consulting engineer, and a registered engineer in Texas for over 30 years. Now registered in over 40 states, Mack has been the engineer of record for many award-winning projects, including the Historic Preservation of the Texas State Capital Building. He has also served on the review team for the energy efficient buildings research projects supported by the Energy Research in Applications Program for the Texas Higher Education Coordinating Board. Mack is heavily involved on the front lines of the energy conservation industry, having served the past 12 years on the ASHRAE Standard 90.1. He also serves as the liaison between the mechanical and building envelope subcommittees, working with both committees to develop "whole-building approaches to energy savings and sustainable design."
14th Annual Wine Tasting

Friday, November 4th, 2011
Champions Run Country Club
13800 Eagle Run Dr.
Omaha NE, 68164
7:00 p.m.

Mechanical Electrical Specialty Contractors from the University of Nebraska-Lincoln cordially invite you to join us at the 14th annual Wine Tasting Event.

The proceeds generated from this fundraiser will help to send students to the ASHRAE, NECA, and MCAA national conventions. We do have a limited number of seats available, so please RSVP by Monday, October 31st, 2011.

Cost: $50 per attendee or $450 per table of 10

Mechanical Electrical Specialty Contractors
Q. **What is MESC?**
A. MESC is a student organization made up primarily of UNL Construction Management students. MESC is an umbrella organization that incorporates ASHRAE, MCAA and NECA into one student organization. MESC’s primary focus is to introduce students to the industry of mechanical and electrical contracting, as well as increase their awareness and knowledge in the mechanical and electrical fields.

Q. **What is this party for?**
A. The wine tasting party is a fund raiser for the MESC student chapter. The money raised at this event goes towards sending students to the ASHRAE, MCAA and NECA national conventions every year. The party also provides the opportunity for students and field professionals to interact with one another.

Q. **Who is welcome?**
A. Friends, family, co-workers and any other guests who would like to support MESC are welcome to attend the party. Please note that all guests must be at least 21 years of age.

Q. **Who will be attending?**
A. At the party you can expect to interact with a variety of mechanical and electrical contractors, members of ASHRAE, MCAA, NECA and UNL students and professors.

Q. **What is the attire?**
A. Business casual.

Q. **What are the seating arrangements?**
A. You are welcome to sit with whomever you wish at the party. The tables seat ten, so if you would like to reserve tables for your company, please let us know and arrangements will be made.

*Thank you for your support and we look forward to seeing you at the party! If you have any questions, please feel free to contact Chase Vadnais at (402) 305-5592 or at chasev@huskers.unl.edu.*
MECHANICAL ELECTRICAL SPECIALTY CONTRACTORS  
Student Chapter  
University of Nebraska-Lincoln

IF YOU ARE UNABLE TO ATTEND, OR IF YOU WOULD LIKE TO DONATE ADDITIONAL MONEY TO MESC, PLEASE SEE THE TABLE BELOW.

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<tr>
<th>ITEM</th>
<th>QUANTITY</th>
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<tr>
<td>CASES OF WINE</td>
<td>1</td>
<td>$130</td>
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<tr>
<td>HORS D’OEUVRES</td>
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<td>$30</td>
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<td>MONETARY</td>
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ALL DONATIONS WILL BE RECOGNIZED IN OUR PROGRAM AT THE EVENT. THANK YOU FOR YOUR TIME, SUPPORT AND CONSIDERATION.

NICK SMITH - PRESIDENT  
CHASE VADNAIS - VICE PRESIDENT/TREASURER  
TODD SELF - SECRETARY  
TYLER PULEC - MEMBERSHIP COORDINATOR

ORGANIZATION / COMPANY______________________________

NUMBER OF ATTENDIES____________________________________
OR
NUMBER OF TABLES (10 PER TABLE)___________________________

OPTIONAL DONATION ITEMS

CASE OF WINE___________________________________________

HORS D'OEUVRES_________________________________________

MONETARY______________________________________________

Please make checks payable to: MESC Student Chapter  
113 Nebraska Hall  
Lincoln, NE 68588

Please detach and return the section below the dashed line to the address above by October 31. Thank you for your support and we look forward to seeing you at the party! If you have any questions, please feel free to contact Chase.