

ASHRAE BLUEPRINT

April 2011

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Ryan Van Der Bill

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Ken Wickre

Special Events
Isaac Anderson

Reception
Ryan Jervik

PAOE Watch Dog
Brent Tjeerdsma

PRESIDENT'S MESSAGE

Mark Grebner

Chapter Meeting: April 27, 2011

Social 5-5:30 PM, Dinner 5:30 PM, Program 6-7:00 PM @ Westward Ho

I must admit when I took over as the SD Chapter President I was apprehensive about the amount of work involved. There was also that thought of what if I don't measure up to the heritage of the Chapter. As my year as president is winding down I have to admit several things:

- Yes, there is some work involved, but the people involved on the Board and the Committees make it pretty easy.
- We have a lot of dedicated, intelligent, young engineers in this Chapter. I'm confident This Chapter is in good hands for the future.
- CRCs are FUN and educational. I also have new respect for our members that organized our last CRC.
- I was right about the ASHRAE Society paperwork. It is a pain and not very intuitive to fill out.

I hear some excitement about the Fishing Tournament and the Golf. Please see the attached information for more details. I hope you have saved the dates. We have had an inquiry from the ASHRAE Insights Newsletter about the Fishing Tournament. We may get a write-up in Insights and on their Facebook Page. Catch a lot of fish and take a lot of pictures.

The April Meeting is on April 27 and is an evening meeting. It will also be Student Night and we will be awarding scholarships to students from SDST, MTI and STI.

The speaker will be John Murphy from Trane. He will speak on High Performance VAV Systems. See his resume below.

RSVP ASAP to lenn.george@westplainsengineering.com or by calling 605-362-3753.

Meal Cost: \$15 Noon
 \$17 Evening

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Green Building Education Opportunity!

A series of e-learning webinars about Green Buildings will be offered over the next year. This will be offered by the South Dakota USGBC Provisional Chapter and made possible by a personal donation from one of the members of the Chapter. The Chapter envisions a monthly broadcast hosted at designated sites in Sioux Falls and Rapid City, perhaps elsewhere if there is a demand. Specific organization's needs may be supported by arrangement as well. Cost has not been determined yet, but it will be minimal. In addition to learning more about Green Buildings, a primary benefit is that attendees can use the seminars for LEED AP® credential maintenance. See the links below for more general information.

<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=2332>

<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=2333>

The 2010-2011 South Dakota Chapter ASHRAE Line-up:

Sept 1	Noon	Gary Lochner – Innovent <i>Heat Recovery</i>
Oct 6	Noon	Hank Jackson ETech Solutions, Distinguished Lecturer. "Green Buildings: Help or Hype?"
Nov 3	Evening	Hugh Crowther – ASHRAE 189.1
Dec 8	Noon	Randall S. Bohlman - Controls on College Campuses
Jan 5	Evening	Ken Crooks - Advantages of Metering (Not Measuring) Airflow for Critical Spaces
Feb 11 or 18		Valentine
Mar 2	Noon	Scott Fleet, Detroit Radiant Projects <i>Science and Application of Overhead Infrared Radiant Heating</i>
April 27	Evening	John Murphy, Trane, La Crosse, WI High Performance VAV Systems
May 7		Fishing
June 3		Golf

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This month we are pleased to have John Murphy from Trane, La Crosse join us to speak on VAV systems. Variable-air-volume (VAV) systems have been used to provide comfort in a wide range of building types and climates. This presentation will discuss design and control strategies that can significantly reduce energy use and help VAV systems deliver their full energy efficiency potential

John Murphy, LEED® AP BD+C
Applications Engineer Trane-
Ingersoll Rand
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USA

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Email: jmurphy@trane.com
Website: www.trane.com



John has been with Trane since 1993. His primary responsibility as an applications engineer is to aid system design engineers and Trane sales personnel in the proper design and application of HVAC systems. His main areas of expertise include energy efficiency, dehumidification, air-to-air energy recovery, psychrometry, ventilation, and ASHRAE Standards 15, 62.1, and 90.1. He is also a LEED® Accredited Professional.

John is the author of numerous Trane application manuals and *Engineers Newsletters*, and is a frequent presenter on Trane's *Engineers Newsletter Live* series of broadcasts.

He is a member of ASHRAE and has authored several articles for the *ASHRAE Journal*. He is a member of that society's "Moisture Management in Buildings" and "Mechanical Dehumidifiers" technical committees. He was a contributing author of the *Advanced Energy Design Guide for K-12 Schools* and the *Advanced Energy Design Guide for Small Hospitals and Health Care Facilities*, and a technical reviewer for the *ASHRAE Guide for Buildings in Hot and Humid Climates*.

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FISHING TOURNAMENT 2011

Chamberlain, SD



TOURNAMENT

May 7th, 2011

Entry Fee: \$100 per boat

Check payable to: SD Chapter of ASHRAE

CATAGORIES

1st Largest Walleye.....\$150.00 Cash

1st Team: Most lbs (7) Walleye.....50% Payback

2nd Team: Most lbs (7) Walleye.....30% Payback

3rd Team: Most lbs (7) Walleye.....20% Payback

Payback is based on how many boats enter the tournament; you can have as many people in a boat you want.

RULES & REGULATIONS

- No walleyes under 15" can be kept.
- Only one walleye 20" or over per person.
- Walleye possession limit is four per person.
- For the team total weigh-in, seven walleyes will be weighed in with two 20"+ walleyes per team.
- Weigh-in time is 3:00 pm @ Cedar Shore boat ramp.

HOTEL ACCOMODATIONS:

We have (16) rooms reserved at the River Ranch Resort & Cabins (which is across the road from the Cedar Shores Resort) in Chamberlain, SD for Thursday night, May 5th & Friday night May 6th. Please call 1-605-734-6061 to make your room reservation (They are listed under **Grace**). The cost of the rooms are \$65.00 per room and each room will be able to sleep two per room. Call asap to make your reservation; check in is at the Oasis Inn, which is down the road from Al's Oasis in Chamberlain, SD. If all the rooms are not filled by April 28th, the remaining rooms will be let go. Also, if something comes up and you need to cancel the day of arrival, you must cancel before 4 pm CST, on that day.

This year we are having everyone responsible for their own meal. In the past I know everyone has went to Charlie's or Cedar Shore to eat so I figured this year everyone could meet around 6:00 pm on Friday at either place for dinner.

Please RSVP by April 28th by e-mail to Isaac Anderson (Isaac.Anderson@WestPlainsEngineering.com) or call Isaac Anderson @ (605) 362-3753, if you are attending so we can get a head count for food.

I am putting together a boat list (with crew) and I would like to know if you're attending.

If you want to get on a boat, let me know, and I will check with the boat captains for room.

Hope to see you all there!

Isaac Anderson

A brief history of the ASHRAE fishing tournament

This year will mark the 11th annual ASHRAE fishing tournament. Since beginning in 2000, the tournament has taken place on either St. Francis Case in Chamberlain or Lake Oahe in Pierre. The fishing tournament includes more than just fishing. In the past there have been BBQ's at

the hotel, presentations on the river by the Game Fish and Parks, tours of Oahe Dam, and more than a few questionable fish stories, and overall a good time. This year will not disappoint. Good luck and I hope to see you there.

Save the date: 2011 ASHRAE Golf Tournament

Start to get your teams together, this year's ASHARE golf tournament is set for June 3rd. Registration will begin at 9:00 and the shotgun start will begin at 10:00. More details to follow.

ASHRAE FISHING BOAT SIGN UP

May 7th, 2011

Please complete with those who will be in your boat:

	CAPTAIN	CREW		
1				
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____
6	_____	_____	_____	_____
7	_____	_____	_____	_____
8	_____	_____	_____	_____
9	_____	_____	_____	_____
10	_____	_____	_____	_____
	_____	_____	_____	_____

If you have any questions, please feel free to contact Isaac Anderson via email at Isaac.Anderson@WestPlainsEngineering.com or call Isaac @ (605) 362-3753.



ASHRAE

Technology for a Better Environment

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Lynn G. Bellenger, P.E., FASHRAE

President

Reply to: PATHFINDER ENGINEERS & ARCHITECTS LLP

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☎ 585-325-6004 ext. 105
Fax: 585-325-6005
lbellenger@pathfinder-ea.com

Dear ASHRAE Member:

As summer approaches in the Northern Hemisphere, many college students will be seeking a summer job. I'd like to ask you to consider hiring a summer intern if your work load permits. For those of you in the Southern Hemisphere, please consider hiring an intern during holiday breaks or for co-op positions.

In addition to using local resources for finding applicants, intern positions can be posted at no cost through ASHRAE's online jobs website, www.ashraejobs.com. Under the "visit the employer area" in the top right-hand section of the site, you can find more information about posting internships for free. Students can search for internships under the "resources" tab.

As I've visited chapters this Society year, I've met with the Society's Young Engineers in ASHRAE members (those members under age 35) in many cities. I've asked each of them how they entered the HVAC&R field, and the answer almost universally is "I learned about it through an intern position."

As most of you know, the number of colleges and universities that offer HVAC&R courses is declining and many capable young men and women are unaware of our industry and the exciting opportunities it offers. So, please join me in reaching out to them by offering one or more intern positions this summer. It's a win-win situation! Thank you.

Personal regards,

Lynn G. Bellenger, PE, Fellow ASHRAE

ASHRAE President

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N