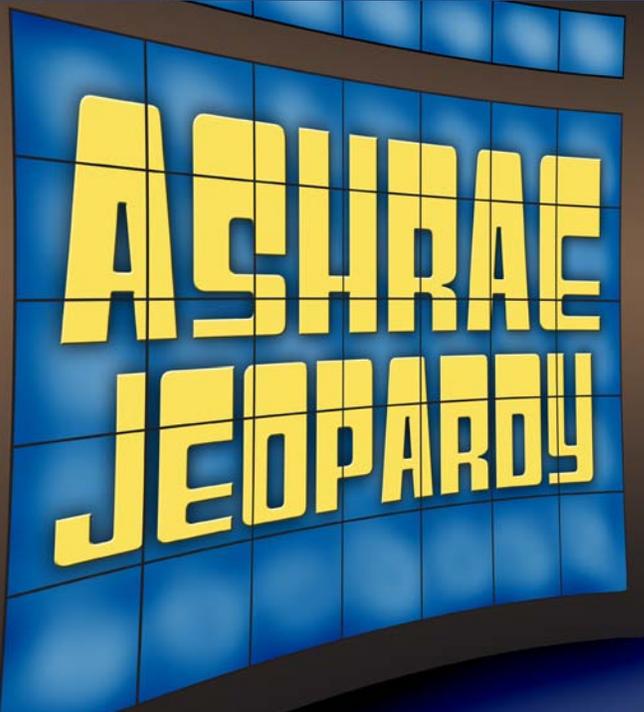




# CLEVELAND ASHRAE NEWSLETTER

MAY 2007



## MAY MEETING

### *Past President's Night & ASHRAE Jeopardy*

May 21, 2007

Times:	4:15-5:30pm	Board Meeting
	5:30-6:15pm	Happy Hour
	6:15-7:15pm	Dinner
	7:15-8:15pm	Presentation

Speaker: Rick "Alex Trebek" Long  
Location: Harry's Steakhouse  
5664 Brecksville Road  
Independence, OH 44131

R.S.V.P. @ (216) 373-0315 by 12:00 Noon on Friday, May 18th for Reservations.  
Please state if you need a CPD Certificate. Dress Attire is Business Casual.

Once again, May is here and it's time for ASHRAE Jeopardy. So put on your best thinking cap and get ready to compete! Our May 21st meeting will feature Mr. Rick "Alex Trebek" Long as our emcee. Attendees will be divided into teams to compete against one another for an all expenses paid trip to Nowhere! It's bound to be good time, so be sure to join us!

# This Month's Sponsor

### MASTROIANNI & ASSOCIATES, INC.

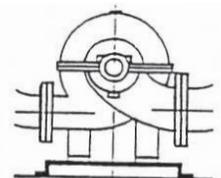
*Manufacturers Representatives*

*of Products for the Mechanical Trades*

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[www.mastroiannihvac.com](http://www.mastroiannihvac.com)



If you are interested in sponsoring the newsletter,  
please contact Matt Nelson at 440-243-3535.



# THE PRESIDENT'S CORNER

BY KEN BORAH



May 3, 2007

My, Oh, My...did the past year go fast! The local chapter of ASHRAE follows a June 30th year end. Near this time, the officers and board members will be elected for the upcoming year. Those members wishing to be elected for the 2007-2008 year are on the ballot enclosed. Of the 400 local chapter members history has shown that only about 30 to 40 ballots are returned for the voting. Please return your ballots to reaffirm the next year's leadership.

The May 21st meeting is Past President's Night and ASHRAE Jeopardy. I wish to personally invite all the years Past Presidents to this event. Your leadership, then and now, is

important to the local chapter, as well as our industry as a whole. Please come and let us honor your service. As far as the Jeopardy goes – it is always a "HOOT" not to mention worthwhile prize-wise.

Finally, I have the closing remarks of a soon to be Past President. I know it is standard protocol to thank all the Officers and Board Members at this time, but let me say that your leadership did a great job this year. Everything went smoothly and the chapter was run well by these individuals. Great job to all of you – you made this year extremely easy on me. Thanks again for all your effort and support. I truly appreciate all the hard work and time you have spent.

By the way...what's for dinner next year?

Take care everyone!

## OFFICERS & COMMITTEE CHAIRMEN

### 2006-2007

#### Officers and Board of Governors

**President** Ken Borah  
**President Elect** Ken Wissner  
**Treasurer** Matt Nelson  
**Secretary** Frank Eisenhower

#### Board of Governors

Robert Laneve  
 Brian Chambers  
 Andrew Tenhundfeld

#### Committees and Chairs

**Chapter Technical Transfer Committee** Rob Laneve

**Programs (CTTC)** Robert J. Laneve

**Refrigeration (CTTC)** Richard B. Long

**Gov't Activities (CTTC)** Matt Nelson

**Membership & Roster** Billy Kodosky

**Product Directory** Daniel J. Bacik

**Research Promotion** Terry Kretch

**Newsletter** Andrew Tenhundfeld  
 Matt Morgan

**Student Activities** Scott K. Jordan  
 Richard B. Long

**Honors & Awards** Fred H. Hollman

**Historian** Dave Deschler

**Science Fair** Steven R. Armstrong

**Meeting Host** Shawn Beres

**Scholarship Fund (Sal Triana & Gardiner)** Scott K. Jordan  
 Richard B. Long  
 Jerald K. Cohen  
 Gary Gardiner

**Golf Outing** Louis A. Bentzen  
 Ken Borah

**Engineer's Week** James G. MacMillan

**Special Events (December Social)** Mike Denk

**Budget & IRS Compliance** Fred H. Hollman

**Sunshine Fund** James W. Wickert



## APRIL MEETING RECAP



What does ASHRAE do for you? Or should it be, what have you done for ASHRAE? Our April 16th meeting featured Mr. Dennis Wessel discussing the "Structure and Inner Workings of ASHRAE." Dennis has devoted over 30 years of volunteer service to ASHRAE, has been named an ASHRAE Fellow and was our Cleveland Chapter President in 1987. He has also served on numerous ASHRAE committees. His presentation to our members was enlightening and humorous...we could not ask for anything more!

ASHRAE is a premier technical society and is the backbone of the HVAC industry; the industry in which we all earn our living. It is comprised of over 55,000 members, in 133 countries, divided into 167 chapters. Although there are 105 paid administrative staff positions, it is a volunteer organization. Its survival is based upon the efforts of its members... this means you! ASHRAE provides you with over 300 technical publications, current research projects valued at \$8 million dollars and 95 technical committees. To name just a few, your involvement opportunities range from local chapter committees, local or regional board positions or offering comments on a document open for review. ASHRAE provides you professional growth and leadership opportunities and valuable networking with your peers. As a service to the HVAC industry, all members should be involved with ASHRAE in some manner; even if it is for a short time period. Anyone interested in becoming more involved is encouraged to contact a current board member. ASHRAE needs You!





# ASHRAE BOARD OF GOVERNORS ELECTION

The following members are being submitted for consideration on this year's board.  
Please vote for the following candidates for the Chapter Officers.

**Note:** Circle name or write in blank space for optional consideration. Write-in nominations have been provided for.

<u>POSITION</u>	<u>CANDIDATE</u>	<u>WRITE-IN</u>
PRESIDENT	Ken Wissner	_____
PRESIDENT ELECT	Matt Nelson	_____
TREASURER	Rob Laneve	_____
SECRETARY	Andrew Tenhundfeld	_____
BOARD OF GOVERNOR	Billy Kodosky	_____
BOARD OF GOVERNOR	Shawn Beres	_____
BOARD OF GOVERNOR (PAST PRESIDENT)	Ken Borah	_____



**PLEASE RETURN BY JUNE 1<sup>ST</sup> TO:**

KEN WISSNER  
MARSH COMPANY  
5010 MAYFIELD ROAD  
SUITE 207  
CLEVELAND, OHIO 44124  
FAX: 216.382.3621

Sustainable Energy  
Puts America To Work

Co-hosted by



American Solar  
Energy Society



Green  
Energy  
Ohio

# SOLAR 2007

## Cleveland

July 7 – 12  
Convention Center  
500 Lakeside Avenue

Don't Miss the Largest National Renewable Energy Conference!

# PUBLIC DAY

Sunday, July 8 10AM–5PM

FREE &  
OPEN to the  
PUBLIC!

## JOIN US

- **FREE** and **Open to the Public.** No pre-registration is required.
- Visit the **Tradeshow** with more than 130 national & regional clean energy companies.
- Participate in **Free Consumer-oriented Lectures** held every half hour.
- **Job Recruitment** for renewable energy companies.
- Join the **GEO Annual Meeting** with keynote speaker, Congresswoman Marcy Kaptur.
- Network with professionals and experts and **Get Answers to Your Questions.**

**ALSO** sign-up for the technical conference with sessions from July 9-12 at [www.solar2007.org](http://www.solar2007.org)

## Learn even more with Tours & Workshops

Register for Tours & Workshops online at [www.greenenergyohio.org/solar2007](http://www.greenenergyohio.org/solar2007)

### TOURS

These 7 Amazing Tours, starting at \$50, are unique trips across Ohio featuring a variety of renewable energy practices.

- Downtown Cleveland Tour
- NASA Glenn Research Center Tour
- "Cleveland From the Water" Evening Cruise
- Ohio Amish Country Tour
- Oberlin College & Community Tour
- Northwest Ohio Technology Tour
- Central Ohio Sustainable Sites Tour

### WORKSHOPS

These 22 Workshops, starting at \$70, target a wide variety of renewable energy topics in half and full day formats.

- Design and Installation of Solar Thermal Systems – July 6&7 8:30am – 5:30 pm
- Basics of Solar Heating – July 7th 8:30am – 12:30 pm
- Legal Issues in Structuring Solar Projects – July 7th 8:30am – 12:30 pm
- First Things First: Energy Efficiency & Conservation – July 7th 8:30 – 5:30pm
- Green Buildings – July 7th 8:30am – 5:30pm
- Introduction to Distributed Power – July 7th 8:30am – 5:30 pm
- Photovoltaic Power Systems & the National Electrical Code – July 7th 8:30am – 5:30 pm
- Insights to Consumer Mindset on Energy Efficiency & Renewable Energy – July 7th 1:30 – 5:30pm
- Design and Installation Guidelines for Solar Hot Water Systems – July 7th 1:30 – 5:30 pm
- Disaster Lab: Applications of Solar Energy Systems – July 7th 1:30 – 5:30 pm
- Bringing Renewables to Life – July 8th 8:30am – 12:30 pm
- PV Payback – July 8th 8:30am – 12:30pm
- Building Solar – Solar Design Fundamentals for Building Professionals – July 8th 8:30am – 5:30 pm
- Course Development for Renewable Energy Training Programs – July 8th 8:30am – 5:30pm
- PV Markets, Technology, Cost, Performance & Building Integrated PV – July 8th 8:30am – 5:30pm
- Renewable Energy for the Developing World – July 8th 8:30am – 5:30 pm
- Small Wind Power for Homes, Farms, Businesses & Schools – July 8th 8:30am – 5:30pm
- Solar & Radiant Floor Heating Systems Design – July 8th 8:30am – 5:30pm
- Designing High Performance Sustainable Homes – July 8th 1:30 – 5:30pm
- Find Your Dream Job in Solar – July 8th 1:30-5:30pm
- Cleveland Tool Day: Hands-on Building Performance Analysis – July 13th 8:30am – 5:30pm
- Women's Utility Interactive Photovoltaics – July 12 – 15 – 8:30am – 5:30 pm

All are welcome! Renewable energy activities are available for any interest level.

Details available at: [www.greenenergyohio.org/solar2007](http://www.greenenergyohio.org/solar2007)



# Green Energy Ohio

Green Energy Ohio (GEO) is a statewide nonprofit organization dedicated to promoting economically and environmentally sustainable energy policies and practices in Ohio. GEO conducts public outreach on all forms of renewable energy, and serves as the Ohio chapter of the American Solar Energy Society (ASES), which brings national attention to statewide efforts and provides access to national resources for members.



## JOIN GEO TODAY

Help build a sustainable energy future in your community and across Ohio by becoming a GEO member. Members receive the following benefits:

- bi-monthly newsletter and email news announcements,
- participate in equipment lending program,
- advertisement opportunities for our corporate members,
- discounts on event registrations and publications, and
- connected to the statewide network for renewable energy!

Fill out the membership form below or join online today at [www.GreenEnergyOhio.org](http://www.GreenEnergyOhio.org).

### MEMBERSHIP FORM

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

- \_\_\_\_\_ \$20 Student/Senior Membership
- \_\_\_\_\_ \$35 Regular Membership
- \_\_\_\_\_ \$60 Family Membership
- \_\_\_\_\_ \$100 Sustaining Membership
- \_\_\_\_\_ \$150 Corporate Membership
- \_\_\_\_\_ \$300 Sponsoring Membership
- \_\_\_\_\_ \$ Optional Donation

\_\_\_\_\_ TOTAL

Payment Enclosed:    Check    Visa    MC

Credit Card No. \_\_\_\_\_

Mail to: 7870 Olentangy River Rd., Ste. 209  
Columbus, OH 43235

## MAJOR PROGRAMS

### Solar Thermal Trainings and Installations

GEO partnered with the City of Cleveland on the vision for it to become a solar thermal water-heating utility. The first step is a technical training, organized by GEO, on the design and installation of solar thermal hot water systems for plumbers, pipe fitters and other skill trades from June 18-20th. As a part of the course, a solar thermal system will be installed on a City of Cleveland fire station.

### Ohio Renewable Energy Resource Magazine

GEO produces a statewide color magazine featuring case studies of excellent renewable energy projects and healthy building techniques, and articles on the tools and resources to make renewable energy work for all Ohioans.

### Ohio Solar Tour, October 6 & 7, 2007

This annual tour held each October features hundreds of clean energy installations and attracts thousands of people. Visit [www.greenenergyohio.org/ost](http://www.greenenergyohio.org/ost).

### Ohio Wind Resource Database

Under grants from the U.S. Dept of Energy and the Ohio Dept of Development, GEO is conducting a statewide program to collect and analyze wind speed data off existing communications towers at heights up to 100 meters. This data is used to validate the Ohio Wind Resource Maps.

### The Cleveland Indians Go Solar

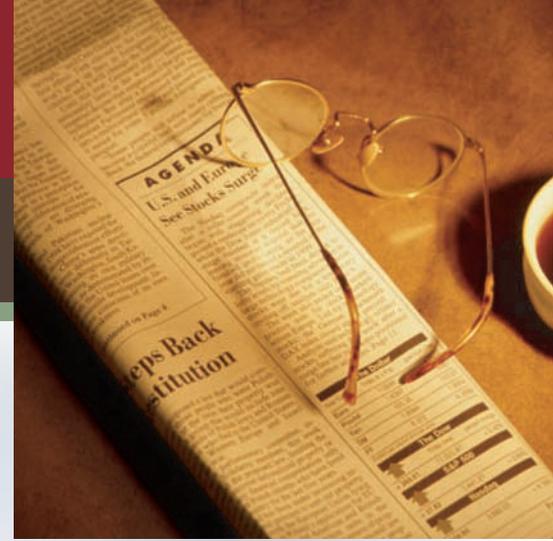
GEO and the Cleveland Indians have teamed up to install a 10kW solar PV system by July 2007 on the upper concourse of Jacobs Field, overlooking Carnegie Ave and I-90 in downtown Cleveland. The solar installation, along with corresponding educational kiosk and outreach activities, will introduce solar energy concepts to millions of people in Northeast Ohio.

### Governor's Residence Solar Back-up System

GEO installed a 3.2 kW photovoltaic power system on the governor's residence in Columbus. The grid-tied system provides emergency back-up power and serve as an educational exhibit for the annual 20,000 visitors.



## IN THE NEWS...



### Cleveland ASHRAE Obituaries

Stanley T. Kanno, a life member of ASHRAE, died Saturday, April 21, 2007 at the age of 85. He was active in chapter activities in the 1970s and 1980s, and retired as chief mechanical engineer of Syms, Carlson, Englehorn & Associates, then located at 2930 Prospect Avenue in Cleveland.

Daniel R. Scherry, son of Bob Scherry (former ASHRAE member) was killed in the line of duty at Al Anbar Province, Iraq on April 16th. He was 20 years old. Daniel served as a Lance Corporal in the 1st Battalion, 2nd Marine Regiment, 2nd Division, II Marine Expeditionary Force.

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### Continuing Education for Professional Engineers

The name for continuing education credits for Professional Engineers in Ohio will now be designated as CPD (Continuing Professional Development), instead of PDH . This change was affective as of January, 2007.

Please visit for: <http://ohiopeps.org/cpd/index.html> for all CPD questions.



# ASHRAE MEMBERSHIP PROMOTION GOLF OUTING

## INFO/DIRECTIONS



**Wednesday, June 13, 2007**  
**SUGAR BUSH GOLF CLUB**

9:00am	Registration Begins
10:00am	Shotgun Start
3:30pm	Cocktails
4:00pm	Steak Dinner/Prizes

Lunch will be provided at your turn  
between holes 9 & 10, or 18 & 1

New members golf & dine for free with completed application & full payment of membership dues. Non-members are welcome.

We are playing for the prestigious **GARDINER TROPHY**  
**TOURNAMENT GOLF WILL BE PLAYED** • Limited to 120 golfers

### Sugar Bush Golf Club

11186 SR 88 · Garrettsville, OH 44231

330.527.4202

*How to get there...*

#### Directions from Akron:

Take I-76E to SR 5/44  
north to Ravenna.  
Take 14W/44N.  
Take right at second traffic light (which is SR 88N).  
Travel on SR 88N for about 15 miles.  
Golf course will be on the right hand side.

#### Directions from Cleveland:

Take 480E/271 Interchange to  
422E towards Solon.  
Travel 422E until Mumford Rd.  
Turn right onto Mumford Rd.  
Continue on Mumford until it  
dead-ends into SR 88S.  
Turn right onto SR 88S.  
Travel 1.5 miles and the golf course  
will be on the left hand side.

*Please see maps on following page...*

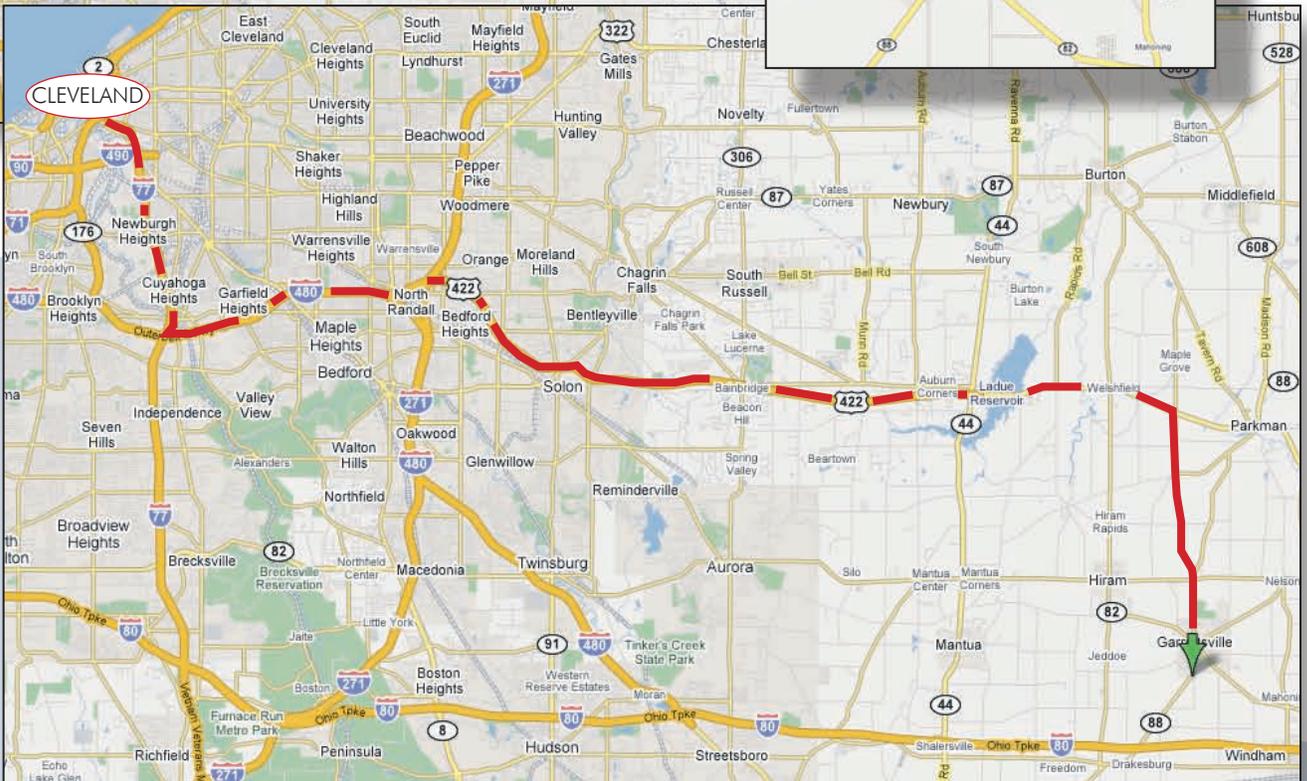
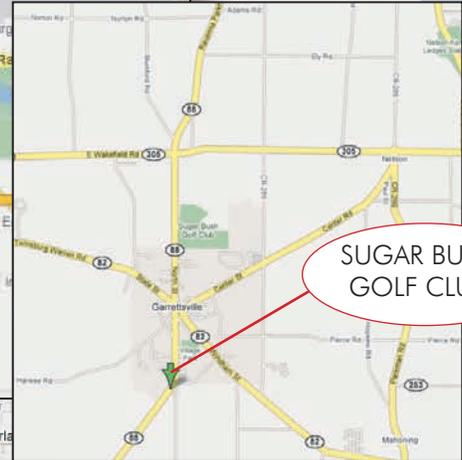
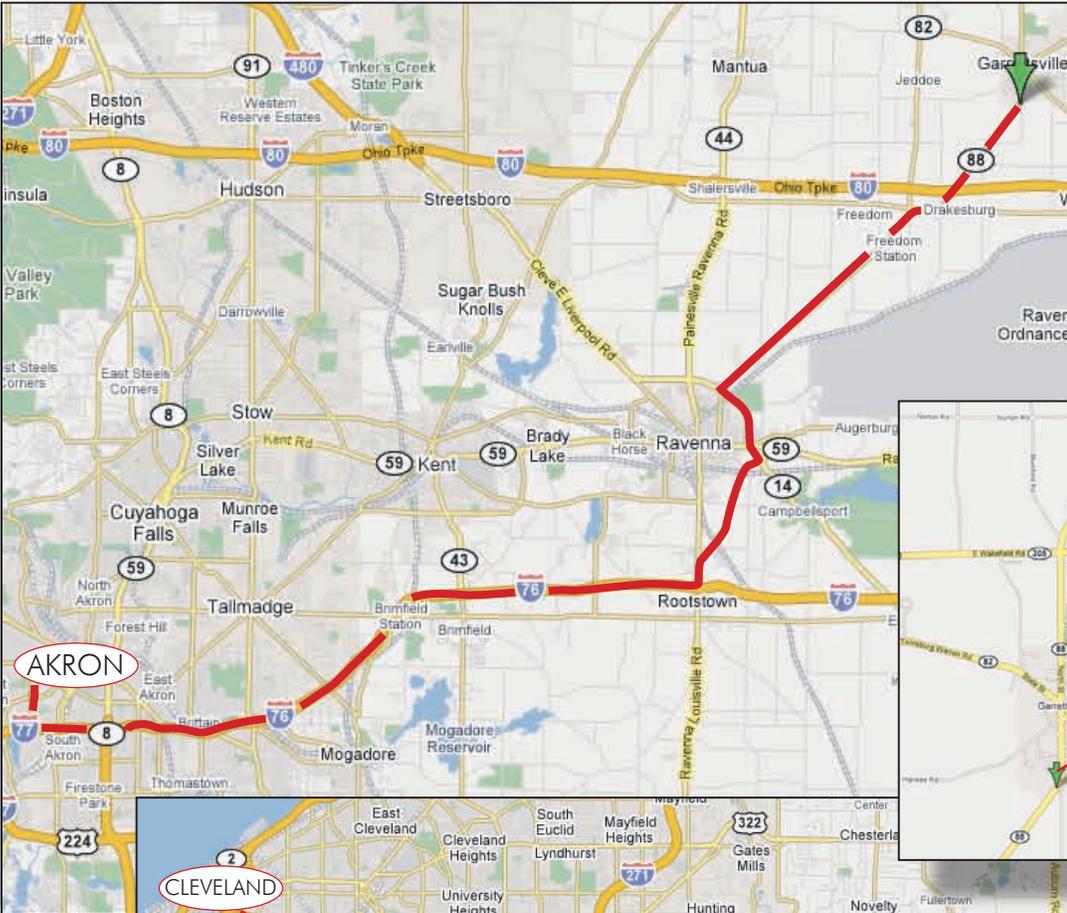
*This event proudly supports the scholarship fund so graciously started by Mr. Sal Triana*

Thanks to all, in advance, for your continued support of ASHRAE Cleveland



# ASHRAE MEMBERSHIP PROMOTION GOLF OUTING

## MAPS



# ASHRAE MEMBERSHIP PROMOTION GOLF OUTING

**WEDNESDAY, JUNE 13, 2007**  
**SUGAR BUSH GOLF CLUB**

	<u>Name</u>	<u>Company</u>	<u>Member</u> y/n
Team Captain (Sponsor)	_____	_____	_____
Player No. 2	_____	_____	_____
Player No. 3	_____	_____	_____
Player No. 4	_____	_____	_____

for each additional foursome please complete an additional registration

Golf & Dinner \_\_\_\_\_ x \$75 / person = \_\_\_\_\_

Dinner Only \_\_\_\_\_ x \$25 / person = \_\_\_\_\_

Sponsor a Hole \_\_\_\_\_ x \$75 / hole sign = \_\_\_\_\_

(All signs will be provided by the Cleveland Chapter)

Name on Sign \_\_\_\_\_  
\_\_\_\_\_

Beverage Donation = \_\_\_\_\_

Donation to the Sal Traina Scholarship Fund = \_\_\_\_\_

Advanced 50/50 Raffle Tickets (7 for \$5) \_\_\_\_\_ x \$5 = \_\_\_\_\_  
(tickets will be 5 for \$5 on the day of event) (7 tickets)

TOTAL = \_\_\_\_\_

Make Checks Payable To: CLEVELAND ASHRAE CHAPTER

Mail Payment To: CLEVELAND ASHRAE GOLF OUTING  
c/o Karpinski Engineering  
Attn: Matt Morgan  
3135 Euclid avenue  
Cleveland, Ohio 44115

If you bring a non-member and they join the Society and the Cleveland chapter of ASHRAE that day, then that individual's golf and dinner is free. A completed application and a check for \$225.00 (made payable to ASHRAE) must be received on or by the day of the event.



# CHAPTER CALENDAR



May 21, 2007

Past President's Night & ASHRAE Jeopardy  
Location: Harry's Steakhouse

June 13, 2007

ASHRAE Golf Outing  
Location: Sugar Bush Golf Club

August 27, 2007

ASHRAE Golf Outing  
Location: Columbia Hills Country Club

