

# MHA Annual Meeting Agenda

April 16 – 22nd, 2012

DRAFT – 3/13/2012

## Day 1, Monday, April 16, 2010

- 4:00 p.m. – Arrival – Pick Up Rooming List in Office
- 6:30 p.m. Dinner
- 7:30 p.m. Welcome, Introductions - Library Auditorium  
(Explain the agenda and how it works)
- 7:45 p.m. Workshop Presentations for entire assembly by instructors
- 8:45 p.m. **Executive Board meeting in library**
- 9:00 p.m. HMED Introduction by Jerry – 1 hr.

## Day 2, Tuesday, April 17, 2010

- 9:00 a.m. MHA Annual Business Meeting held in Library Auditorium  
Accept Agenda  
President's Greeting  
Secretary's Report  
Treasurer's Report  
Administrator's Report/Bookstore  
Webmaster's Report  
Reports from Committee's  
Education  
Public Relations  
Technical  
Old Business  
New Business  
Jerry Frisch Award Presentation
- 9:00 a.m. HMED class begins by Jerry – 3 hrs.
- 1:30 p.m. **"Building Shell Assessment for Masonry Heater Design"** by Adam Buursma. How different insulations perform in buildings and how these factors influence the performance of heating with a masonry heater. These factors affect a masonry heaters heating duration, gradients of heat in the same room of the masonry heater, and the over all "comfort" factor of the heat source. The presentation will cover conductive heat loss from the shell as well as air-infiltration. It will also cover the importance of makeup air when installing masonry heaters in a building with high performance insulation and simple inspections to determine the quality of installed insulation.

- 4:00 p.m. HMED Session #2 - 2 hrs.
- 6:00 p.m. Dinner
- 7:30 p.m. **Principles of Radiant Home Heating** by Doug Hargrave. In May of 2011 we hosted the US Tulikivi distributors meeting at our new facility in Madison, VA. At the meeting we had the opportunity to meet Michele Dutry from Belgium who is currently Tulikivi's most successful distributor, worldwide. Much of his success can be attributed to his ability to communicate the role radiant heat plays in achieving thermal comfort, promoting a healthier home environment and lowering economic heating costs. Since the distributors meeting I have spent time researching and developing ways in which we can translate Michele's work in Belgium to the American market. My presentation at our MHA annual meeting will discuss the following:
- Various types of heat transfer and their application in different home heating systems
  - Understanding thermal comfort and how radiant heat can play a major role in achieving it
  - Forced air and its indoor wind chill factor
  - The layered heating approach, how a radiant heat system raising the mean radiant temperature and a single source forced air system raising the ambient air temperature can work together to achieve improved thermal comfort.
- 9:00 p.m. Resource Room Opens

### **Day 3, Wednesday, April 18, 2010**

- 9:00 a.m. **Optimization of Wood Combustion and The Rebirth of the Condar Emissions Sampler as the "Barnett" Sampler**  
(Simple and fast Efficiency testing (ie, combined emissions and thermal efficiency measurements) by Paul Tiegs, Omni Labs and Norbert Senf, past MHA president. Discussion on cordwood versus Cribwood and fast/simple "efficiency" testing (emissions & thermal efficiency).
- 10:30 a.m. Session #1
- Hands On #1 - Custom Grundofen with white oven for the Professional Heater Builder** by Jerry Frisch
- Hands On #2 – Tandoor and Russian Single Brick Heater** by Alex Chernov
- Hands On #3– Finnish Heater for Beginner Masons** by Chris Springer and Brian Klipfel. Hands-on course that will allow the novice bricklayer to practice laying firebrick during the design and construction of a Finnish contra-flow heater core.
- Hands On #4 – Lime Burn** by Steve Cohan

Hands On #5 – **Round Bake Oven** by Marty Pearson & Pat Manley

Hands On #6 – **Bricklaying 101** by Tom Trout

Hands On #7 – **Masonry Arch Building 201** by Chris Prior

Hands On #8 – **Heated Bed** by Max Edelson & Lars Helbro

Hands On #9 – **Hybrid Soapstone & Firebrick Core w/Bake Oven** by Steve Bushway & Doug Hargrave. Hands-on course that will remove the bolted stones under the bake oven and replace them with a combination of Skamolex board and soapstone slabs. This core will be a contra flow and will allow us to lower the height of the unit. There will be testing of flue gas temperatures and bake oven temperatures on this unit as well.

HMED Class Session #3 – 3 hrs.

**Written Certification Testing** – Administrator

1:30 p.m.    Session #2

Hands On #1 - **Custom Grundofen with white oven for the Professional Heater Builder** by Jerry Frisch

Hands On #2– **Tandoor and Russian Single Brick Heater** by Alex Chernov

Hands On #3 – **Finnish Heater for Beginner Masons** by Chris Springer and Brian Klipfel. Hands-on course that will allow the novice bricklayer to practice laying firebrick during the design and construction of a Finnish contra-flow heater core.

Hands On #4 – **Lime Burn** by Steve Cohan

Hands On #5 – **Round Bake Oven** by Marty Pearson & Pat Manley

Hands On #6 – **Bricklaying 101** by Tom Trout

Hands On #7 – **Masonry Arch Building 201** by Chris Prior

Hands On #8 – **Heated Bed** by Max Edelson & Lars Helbro

Hands On #9 – **Hybrid Soapstone & Firebrick Core w/Bake Oven** by Steve Bushway & Doug Hargrave. Hands-on course that will remove the bolted stones under the bake oven and replace them with a combination of Skamolex board and soapstone slabs. This core will be a contra flow and will allow us to lower the height of the unit. There will be testing of flue gas temperatures and bake oven temperatures on this unit as well.

HMED Class Session #4 – 4 hrs.

6:00 p.m. Dinner

7:30 p.m. **"Masonry Heaters and the Future of Wood Heat in America"** by John Ackerly, President of Alliance for Green Heat.

The future of wood heating in America has a lot to do with the price of fossil fuels, but it is tied to public opinion, air quality standards and jockeying for favor in renewable energy policies. If the US gradually goes the way of Europe, pellet and masonry stoves stand to benefit, as a clean whole house heating solution. But in America, opposition to wood heat, the exclusion of wood heat from most clean energy incentive programs and lack of awareness about modern technology are threats. For the masonry heater, lack of public recognition can pose an additional hurdle. John Ackerly, President of the Alliance for Green Heat will offer some insights on these topics in a power point presentation.

9:00 p.m. **Wood-Fired Bake Ovens"** by Marge and Gene Padgitt. Learn the history of the wood-fired bake oven and how to cook in a wood-fired oven.

#### **Day 4, Thursday, April 19, 2010**

9:00 a.m. Session #3

**Hands On #1 - Custom Grundofen with white oven for the Professional Heater Builder** by Jerry Frisch

**Hands On #2 – Tandoor and Russian Single Brick Heater** by Alex Chernov

**Hands On #3 – Finnish Heater for Beginner Masons** by Chris Springer and Brian Klipfel.

**Hands On #4 – Lime Burn** by Steve Cohan

**Hands On #5 – Round Bake Oven** by Marty Pearson & Pat Manley

**Hands On #6 – Bricklaying 101** by Tom Trout

**Hands On #7 – Masonry Arch Building 201** by Chris Prior

**Hands On #8 – Heated Bed** by Max Edelson & Lars Helbro

**Hands On #9 –Hybrid Soapstone & Firebrick Core w/Bake Oven** by Steve Bushway & Doug Hargrave

HMED Class Session #5 – 3 hrs.

**Written Certification Testing** – Administrator

10:30 a.m.      Session #4

**Hands On #1 - Custom Grundofen with white oven for the Professional Heater Builder** by Jerry Frisch

**Hands On #2 – Tandoor and Russian Single Brick Heater** by Alex Chernov

**Hands On #3 – Finnish Heater for Beginner Masons** by Chris Springer and Brian Klipfel.

**Hands On #4 – Lime Burn** by Steve Cohan

**Hands On #5– Round Bake Oven** by Marty Pearson & Pat Manley

**Hands On #6 – Bricklaying 101** by Tom Trout

**Hands On #7 – Masonry Arch Building 201** by Chris Prior

**Hands On #8 – Heated Bed** by Max Edelson & Lars Helbro

**Hands On #9 –Hybrid Soapstone & Firebrick Core w/Bake Oven** by Steve Bushway & Doug Hargrave

**Written Certification Testing – Administrator**

1:30 p.m.      Session #5 & **Executive Board Meeting**

**Hands On #1 - Custom Grundofen with white oven for the Professional Heater Builder** by Jerry Frisch

**Hands On #2 – Tandoor and Russian Single Brick Heater** by Alex Chernov

**Hands On #3– Finnish Heater for Beginner Masons** by Chris Springer and Brian Klipfel

**Hands On #4 – Lime Burn** by Steve Cohan

**Hands On #5 – Round Bake Oven** by Marty Pearson & Pat Manley

**Hands On #6 – Bricklaying 101** by Tom Trout

**Hands On #7 – Masonry Arch Building 201** by Chris Prior

**Hands On #8 – Heated Bed** by Max Edelson & Lars Helbro

**Hands On #9 –Hybrid Soapstone & Firebrick Core w/Bake Oven**  
by Steve Bushway & Doug Hargrave.

HMED Class Session #6 – 4 hrs.

**Written Certification Testing** – Administrator

6:00 p.m. Dinner

6:45 p.m. Auction Volunteers meeting

7:00 p.m. **Sixth Annual Auction** in North Lodge Lower Level

**Day 5, Friday, April 20, 2010**

9:00 a.m. Session #6

**Hands On #1 - Custom Grundofen with white oven for the Professional Heater Builder** by Jerry Frisch

**Hands On #2 – Tandoor and Russian Single Brick Heater** by Alex Chernov

**Hands On #3 – Finnish Heater for Beginner Masons** by Chris Springer and Brian Klipfel

**Hands On #4 – Lime Burn** by Steve Cohan

**Hands On #5 – Round Bake Oven** by Marty Pearson & Pat Manley

**Hands On #6 – Bricklaying 101** by Tom Trout

**Hands On #7 – Masonry Arch Building 201** by Chris Prior

**Hands On #8 – Heated Bed** by Max Edelson & Lars Helbro

**Hands On #9 –Hybrid Soapstone & Firebrick Core w/Bake Oven**  
by Steve Bushway & Doug Hargrave.

HMED Class Session #7 – 3 hrs.

**Hands On Certification Test** – John McDougall  
**Written Certification Testing** – Administrator

2:00 p.m. **Fiesta de Pizza - Pizza Party Starts – no dinner in dining room**  
**Bake Oven Demonstrations** with samples

- 7:00 p.m.                    **Council of Certified Heater Mason's Meeting** with Workshop  
Instructors in North Lodge downstairs
- 9:00 p.m.                    Resource Room Opens

### **Day 6, Saturday, April 21, 2010**

- 9:00 a.m.    Entire group assembly in auditorium – president's farewell address
- 10:00 a.m.    Finish up Outdoor Workshops  
HMED Class Session #8 – 3 hrs.
- 1:30 p.m.    Clean up Outdoor workshops & Inventory  
President, Executive Director, Committee Chairs - meeting in library
- 3:00 p.m.    Committee Meetings as needed
- 6:00 p.m.    Dinner
- 7:30 p.m.    Entire assembly in auditorium for Awards and Q & A
- 9:00 p.m.    Resource Room Opens

### **Day 7, Sunday, April 22, 2010**

Leave after breakfast – have a safe trip home.

**It is important that all seminars and workshops start and stop on time.**

**All attendees must provide safety equipment to participate in workshops**  
(safety glasses, gloves, proper footwear, tools, etc.)