**MASONRY HEATER ASSOCIATION OF NORTH AMERICA’S**

**2019 ANNUAL MEETING WORKSHOPS, CLINICS AND SEMINARS.**

**Seminars:**

" **Building Masonry Heaters With Air-gap System in North America"** Part of the Austrian team presenting our workshop this year will be Martin Kummer - a master stove builder with very interesting work. Recently, Martin had a book outlining 30 years of his stove building career published. The book is work of our good friend Stefan Polatschek. Stefan and Martin would like to show Martin's work to MHA and illustrate the air-gap Austrian way of building.and show how far one can get with creativity.

**“The Power of the Inbox: Email Marketing in 2019”** 1 hr+ topic on the Basics of Email Marketing which highlights best practices, best approaches, best SIMPLE methods to follow, and really sets the table properly and clearly for business owners and service providers to understand how to take Email Marketing and make it work in an easy fashion for themselves.  The attendee will be able to grasp all the simple reasons why Email is worth their time and energy, as well as just how easy it can be to get moving and getting great results from a subscriber list.  The why, the when, the how will all be covered - and as a bonus, guests will receive special options to get started that are special for the conference attendees and not available to the general public including free startup, free branded templates, and free coaching.

 “**The Various Benefits of Biochar for the Masonry Heater Owner”** – by Jon Nilsson. Jon is a soil Scientist, Ecologist and Product Developer - Wide range of experience in ecosystem management, bioremediation, and development of biological tools that increase productivity of soils and crops.This seminar will center on what Biochar is and the uses for it in homes and gardens. It will also address the production of biochar in a masonry heater and the many applications it is used for.

**Workshops:**

**" Building Masonry Heaters With Air-gap System in North America"**  Hands-on workshop will build a masonry heater of a complex shape powered by a bell-style core. The heater will be built using only common materials of North American origin. Workshop is presented by the international Austrian - Canadian team: Alex Chernov (Canada), Stefan Polatschek, Martin Kummer and David Perzl (Austria).

**"36 Inch Oval Squirrel Tail Oven"** by Eric Moshier. We will be building a 36” inside diameter round squirrel tail oven with hammer cut firebrick and lime and sand mortar. This is an very fast and functional oven that is easy to build in a day with minimal tools. This design has been in use for 100’s of years historically so it has sanded the test of time. We will use sawdust as the arch form. The oven will be insulated with Roxul mineral wool and finished with lime and sand stucco reinforced with chicken wire.

**"Kachelofen Workshop"** with Jessica Steinhauser. The Kacheln that were made two years ago in the Kachelofen 101 workshop have been fired and glazed. We will use those Kacheln to build a small Kachelofen.

**"**[**Design and Construction of a Firebrick**](https://em-ui.constantcontact.com/em-ui/em/page/em-ui/email) **Built, Vaulted Arch, Wood Fired Oven"** by Pat Manley. Workshop will begin with an introduction to all of the various materials (firebricks, insulations, forms, hardware, etc) we will use to build our oven, along with where they are used in the oven and why. Over the course of a few days we will build the oven, with ongoing discussions daily of how the oven is used, understanding thermal mass, etc, and then fire it up to use for our fiesta de pizza at the end of the week. We will build the oven with clay and sand "mortar", for easy deconstruction and clean up the next morning.

**Masonry Skills by Derrick Kowalchuk.** The bricklaying clinic will give non-masons a chance to get on the line and learn the basics of bricklaying in a relaxed atmosphere and others a chance to brush up on their skills or even learn some new ones.  Learn the basic motions it takes to lay brick in a real world scenario and how to use the tools in a practical application.  There will be several different stations to expose participants to various bricklaying scenarios.  Skills that will be covered are; how to gauge brickwork, lay out bond, tool selection and use, different techniques of laying a brick and anything else you may want to know

**Mini Workshops:** Door install, Chimney connection, plus more.

**"Beginner's Level Masonry Heater Workshop"** by Jason Temple.A small and simple masonry heater to give beginners an opportunity to learn, practice and put the basic skills of the stove building all together.

**“Tinytube, The “DIY-Assembly-kit” Stove”** by Jim Schmitz. Firetube´s new product, the Tinytube, is developed to achieve a very low price by offering an assembly-kit among other things. We will showcase the assembling and integrate the Tinytube to a warm masonry bench with cooking options.

**"Test Heater "**by Technical Committee The testing this year will again demonstrate the Condar sampler for measuring particulate (PM) emissions. A second goal is to demonstrate an example of a prefabricated heater core that is ready for laboratory (potential) EPA certification testing without requiring a facing or other finishing work.. A top vent 5 run with firebrick firebox. We'll discuss last year's results and possible improvements that can be made, particularly for startup with a long bench and short chimney.

**Clinics:**

**Sketch Up -** Learn to create technical drawings with SketchUp, a CAD program that is simple to use and comes free of charge in its basic (but fully functional) version. This is a favorite year after year.

**Masonry Skills** – Bone up on your masonry skills. This clinic is for the novice and professional alike. As a novice, learn how to lay brick, lay to a line, corners, etc. A great opportunity to learn or brush up on your masonry skills.