

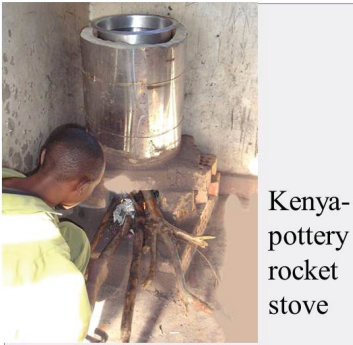
Organizational Description:

Silver Ceramic Systems is dedicated to aspects of pottery for public health. Note that the World Health Organization, Household Water Network, has oriented 20% of their focus to indoor air quality. In addition to pottery eco stove applications, pottery for health applications include pottery water filter systems and pottery pit latrine liners.

In all cases there is an emphasis on appropriate technology, in that all of these products can be fabricated locally, using available resources. See the available fliers for more information.



This pottery rocket stove is built using small, curved bricks, clad in sheet metal.



Kenya-pottery rocket stove

Project Overview

Recent trainings for the stoves that are shown above and at left have been in both Kenya and Indonesia. For the stoves that are shown below, these were fabricated in Guinea, in 1995, by government environmental officials. Our involvement is not as practitioners per se, but as trainers, with background in ceramic industrial design.

Trainings are in the simple, pottery techniques that have been used in the fabrication of the stoves that are shown. For more complete details concerning these techniques, note the accompanying fliers.

Results

Construction of rocket stoves is appropriate because: 1. Pottery clays are available almost anywhere. 2. Pottery is an insulating material, and can be readily molded to any shape. For a composition of 50% by volume of a combustible material, such as wood sawdust, this gives a brick that is both insulating and light weight. 3. The construction gives a *very solid* stove. 4. As shown above, the cook pot fits down into the pottery stove liner. Because of this the loss of heat energy is negligible.

For the purpose of inseting the pots in this way it is recommended that cylindrical pots be used, of standardized diameter. I.e. pots of 30 and 20 cms. diameter have rocket stoves of corresponding size.

Future Plans

For the pottery rocket stoves that are shown, workshops in fabricating these will be undertaken, acquainting participants with the simple techniques that are implicit. Contact, Reid Harvey, 160 N. Main St., Wellsville, NY 14895 USA. Email: reidharvey@hotmail.com

With respect to pottery rocket stoves for public health applications, the aim is to acquaint stove practitioners with the ceramic, pottery techniques that are involved.



This outdoor kiln is suitable for the firing of the components of the stoves