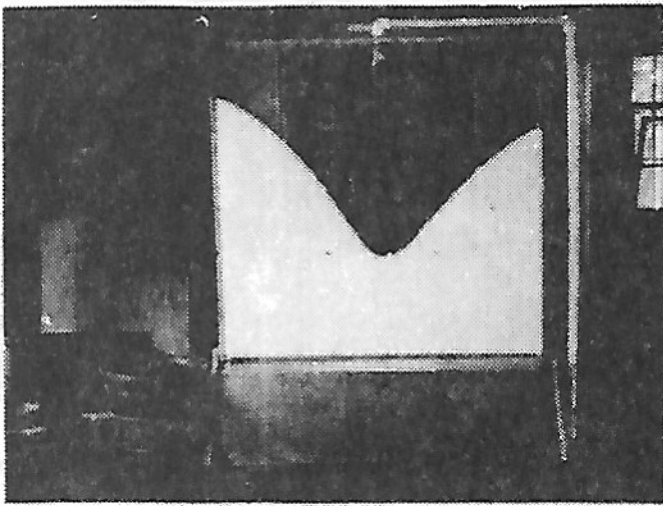


And Emptying (Below)

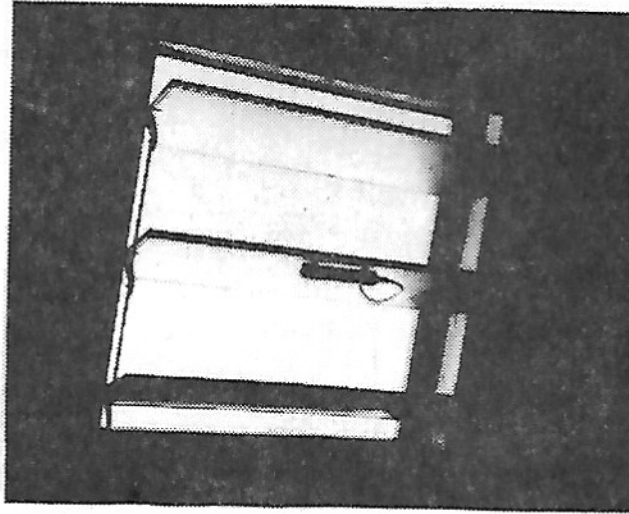


Here are two pictures of the "bead wall" (patent applied for) invented by Dave Harrison in a class last Fall at UNM. The pictures show the styrofoam beads in one case being blown into the cavity between two clear glazings and in the other being sucked out. The power for emptying and filling is provided by an ordinary vacuum cleaner. The insulating value can be made whatever one wished by increasing or decreasing the thickness of the space between the glass. The beads themselves are almost as effective per inch of thickness as the best commercial insulation.

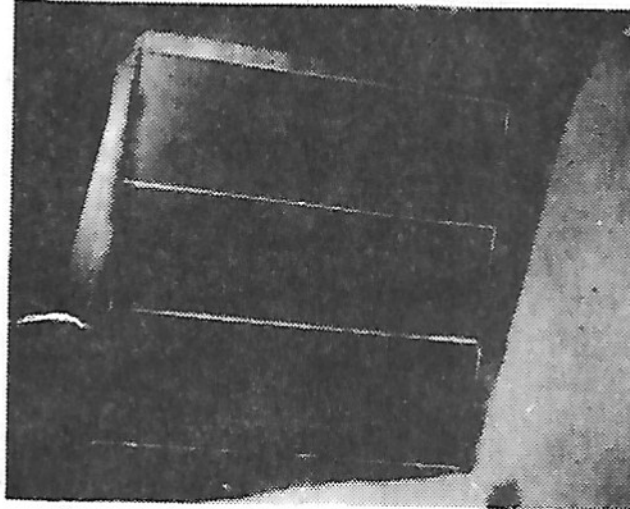
We are now constructing a 200 sq. ft. greenhouse glazed with the beadwall and using 55 gallon drums of water for heat storage.

THE SKYLID

The skylid is a set of insulated rotating louvers that fit below a skylight and open when the sun shines and close when the sun doesn't shine. The purpose of the skylid is to conserve heat. The skylid is opened and closed by freon flowing between two cannisters attached to the balanced louvers. The freon is driven by vapor pressure to the cooler of the two cans, the inside can in the day, the outside can at night. The weight of the freon either opens or closes the balanced louvers. A manual override consisting of a cord attached to the louvers allows you to close the insulated louvers during the summer to prevent over heating.



Photos Show The Skylid Open And Closed



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