4 build solar, wind-powered ecology center

Founders of Upland Hills Ecological Awareness Center know civilization is aware of its endangered world status.

aware of its endangered world status. But Wayne Appleyard, Richard McMath, Kim Yamasaki and Phil Moore still harbor deep concerns about their world. They worry about environmental toxins, dangerous energy policies and the public's apparent willingness to give physicians total responsibility for health.

cive physicians total responsibility for health.

Although they discussed it, the four men decided against writing a book about salvaging the environment. Instead, they built an example.

"We thought how wonderful it would be a symbol of those concerns," Moore said. Three years ago, architects Apple-yard and McMath, building consultant Vamanski and educator Moore began the complicated construction process. They designed and creeted the solar and wind-powered ecological center, and although some finishing touches remain incomplete, the center has begun public workshops and tours. Moore, who heads Upland Hills Farm School, cod irects the Ecological Awareness Center with Ann Franklin, with the other founders and as many as 300 volunteers, Moore and Ms. Franklin shared the hands-on construction experience.

ALL JOINED FORCES to pour

cement, lay stones and install solar windows. The trapezoidal building is nestled in the south side on an Addison Township hill on Indian Lake Road near Upland Hills Farm School.

near Upland Hills Farm School.

The building's north side is protected by the earth which, according to Ms. Franklin, always remains at 55 degrees or warmer beneath Michigan's 42-inch freeze line. The natural soft ord doesn't require shingles and will last forever, she said.

On the building's north side are win-the warmer beneath Michigan's north side are win-the maximum amount of sunlight in the winter and the minimum amount in summer. "If worker aging to use solar energy."

"If you're going to use solar energy to heat your home, you want to orient your windows to the south," Ms. Frank-lin said.

your windows to the south," Ms. Frank:
In said.

In the winter, the sun's rays are drawn into the building through huge windows. Heat is stored beneath the glass in absorbant black panels.

Natural turbulence warms the air and rolls it around through basement ducts. Eventually, a blower pulls that air through a room filled with small rocks.

The heat is stored naturally in the rocks. "So in one day of sun we get three days of hear," Ms. Franklin said.

That solar energy system is called "active" because it utilizes metchantal deced in a passive, or non-melcanical, solar energy system.

IN THE PASSIVE system, the sun's rays beam through the windows and heat is absorbed by the room's natural cement floor and fieldstone north wall.

At night, insulating screens are drawn over the windows. As the air in the room cools, the floor and stones emit the absorbed heat.

Both the active and passive solar energy systems are used in conjunction

Both the active and passive solar en-ergy systems are used in conjunction with a wood-burning furnace. It's un-reasonable, Ms. Franklin said, for Michigan residents to expect more that 0-60 percent solar space heating. A solar water-heating system is at-ached to the center's roof, with win-dows and absorbant black panels also facing south. The system operates like the space heating and provides hot wa-ter.

duces electricity.

Ms. Franklin said the center can gain up to three days of electricity from one windy day. It's stored in six forklift truck batteries

windy day. It's storen in so truck batteries. Planned workshops will begin at the Peological Awareness Center in Sectionaries at the Peological Awareness Center in Sectionaries and the expronged educational program designed to respond to the founders' ecological concerns. Moore said one workshop will focus on energy conservation. Techniques for home energy audits and constructing

FANS UNLIMITED Division of SHAVER SHOP, INC. 61 W. Huron, Pontiac ½ Blk. E. of Wide Mon.-Fri. 9-5 Sat. 9-1-334-1411

DO AS THE BANKERS DO ...

INVEST FOR A

I DEAL FOR IRA/KEOUGH PENSION ACCT. OR FOR GENERAL INVESTMENTS.

Call Alan Fine or Richard Holroyd 557-7066 Registered Security Representatives A.J. OBIE & ASSOCIATES, INC. securities are offered for sale only in the Stat in to bonafide residents of Michigan and not for residents. This advertisement does not constitut in the offering is made by the offering circular.

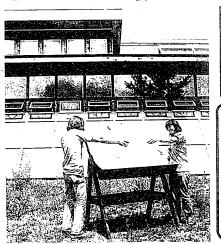
Olde Tyme Original Hunter Ceiling Fan insulating window screens will be taught.

ANOTHER workshop will deal with wholistic health. Medical doctors will be on hand to discuss various aspects of

good health and demonstrate natural self-help activities.

"Our mission is educational," Moore said. "If we would be insu to conserve as a society, we would be in such good shape it would boggle your mind."

Sunday tours are already underway at the Ecological Awareness Center. Visions can tour the facility and browse its library and glit shop, a browse its library and glit shop, a browse its library and glit shop, a browse its library and glit shop. I would be such good shape it would beggle your mind."



Outside Upland Hills Ecological Awareness Center, co-director Phil Moore and staff member Julie Julie Brockman demonstrate a para-bolic collector that absorbs solar heat to warm foods. (Staff photo by David Frank)

AMC records quarterly loss

American Motors Corp. last week reported a net loss of \$84.9 million, or \$2.85 a share, for the third fixed quarter which ended June 30.

A year ago, the Southfield-based company reported a net earnings of \$2.85 a share, the same quarter, or \$2.85 a share and million, down 32 percent from a record \$780 million a year ago. The U.S. automobile industry has been severely affected by the current from a record \$780 million a year ago. The U.S. automobile industry has been severely affected by the current from a nexception," said Gerald Meyers, schairman and chief executive origination of the company was no exception," said Gerald Meyers, schairman and chief executive origination of the company decision to reduce dealer stocks of the product programs by 15 percent, that left future product programs by 15 percent, and the life, with more than 10 percent rewers \$43.0 million, or the shift of the life, with more than 10 percent rewers and company financial extensions of the company decision in the product programs by 15 percent, and the life, with more than 10 percent rewers \$43.0 million, or the life, with more than 10 percent rewers \$4.0 million, or the said company financial extensions of the company decision to reduce the company decision to reduce dealer stocks and protect AMC.

MEYERS SAID an important factor in the reported loss was due to a company decision to reduce dealer stocks and protect AMC's distribution net.

How to submit news

Businesses wishing to submit items for the Business Page should send them to Ron Garbinski, Observer & Eccentric Newspapers, 1225 Bowers, Birmingbam 46012.

Please include a contact name and lephone number along with the relationship of the proceeding Thursday publication date.

This is your invitation to gracious living, extended by River Colony...intimate, luxury condominium living...on the River Road, just north of St. Clair, Michigan. Featuring both two and three-bedroom units elegant River Colony overlooks the St. Clair River, where oceangoing freighters and ships from foreign lands move silently beneath your balcony.

River Colony residents can enjoy golf, tennis and swimming just across the road at the St. Clair Country Club; sophis-

licated shopping at the Riverview Plaza Mail; or delightful dining, minutes away, at the prestiguous St. Clair Inn or Chuck Muer's quaint River Crab. River Colony Condominiums...the quiet ambiance of small town living, less than an hour's drive from the busyness of Detroit.

Visit River Colony this weekend, on the view road, north of St. Clair, Kichigan, or call 384-8700 for further details.



The River Road to a Graceful Life Style

Although there's nothing secretive about being the 4th largest pizza company in the country, (in terms of pizza sales) we've grown so fast, at a rate of over 40% each year, that many people still may not know about us.

When they find out that by investing \$9,500 cash (our total franchise fee) and by qualifying for financing of \$40,000 to \$50,000 they may be eligible for a Domino's Pizza franchise,

They are surprised to find that a franchise relationship with Domino's Pizza includes a professional training program, advertising expertise, site selection and store opening assistance.

We have over 300 stores tocated in 30 states and are now going international. We're a secret you don't have to keep to yourself!

Write or call today

We're the best kept secret in Detroit!

David K. Kilby Director of Franchising Domino's Pizza, Inc. 3853 Research Park Drive Ann Arbor, Michigan 48104 313/668/4000

