(EDITOR'S NOTE: Much information is afloat about the Ark and its role on P.E.I. This second in a two-part designing the Ark, says eries on alternative energy presents the criticisms and support of the Island's Ark has advanced the principle. support of the Island's Ark has advanced the prin-

By ROSEANNE McCABE SPRY POINT — The Ark a streak of bad publicity.

that we're researching in in price as we expected they areas to help people live in increased in price," he said. the future without being so Bruce McCallum, former the Ark says the Ark has dependent," says Dr. Ken employee with the depart-been given a rough time in

Then again, Noah didn't context. have an active solar system it if they did.

LOTS OF CRITICISM

The people at the Ark have had their fill of stone-engineering consultant and BETTERPR throwing at their house

1976 it has been criticized for ject has not been successful being an expensive frill, for in turning its information visitations to schools. experimenting with projects over to the public. already tried.

difficult to forgive the faulty active solar system and wind vegetables year-round - one system

Yet the Ark has gained a positive national reputation.

Norman Hall of Enersave says it's "interesting" how positive opinion of the Ark filters across Canada - while the negative remains.

Gordon MacQueen, woodstove retailer on Malpeque road, is more blunt: the windmill system and solar collector system were failures...so-"abysmal meone has to say it."

And the incubated setting of scientists-at-work is not the answer.

"A few people will never solve a problem the masses create," he said, referring to, of humanity. prevalent energy-hungry attitudes

Canada. It represents a cer-ly and commercial garden t.·in stage in the develop-ment.'' and fish farm.

may well be recovering from which did not translate well Resources on a \$300,000 to the average homeowner, budget, is funded by En-"The Ark is starting to pro- The solar collector panels vironment Canada ve to Islanders that we are used "were the coming Energy doing something out here, thing. Instead of decreasing Resources.

dependent," says Dr. Ken employee with the department, also the past.

MacKay, director of the Ark ment of environment, also the past.

"We're researching self"We're researching self"We're researching self-Noah couldn't have had beginning, said the Ark has sufficiency without claiming half the trouble with his ark. to be seen in its historical

off more then they could chew."

Tony Caffell, solar side the building. glass former employee of the In-Since the Ark opened in Resources, says the Ark pro-

And the media has found it been successful at growing But in biology the Ark has their aims for selfsufficiency. The passive solar system has also worked

well.
"In fact we're building on duce solar greenhouses using lower-cost glazing panels, he says, referring to his own company Renewable Energy Systems Ltd.

PROJECT CONTINUES

Away at the end of a clay road at Spry Point the Ark project continues.

The Ark was designed in 1975, was opened in 1976 in a ribbon-cutting ceremony by Prime Minister Trudeau, who dedicated it to the future

The Ark houses a research research laboratory at Spry ciples of solar energy across laboratory, living unit, fami-

Today the Ark, operated The Ark was a big concert by the Institute of Man and Mines

> And Dr. MacKay after a lengthy interview and tour of

to be self sufficient," Dr. MacKay said, responding to "The ark was intended to criticism that the Ark was or wind power system to be a first step in an extensive not self-sufficient after flunk out. Nor did he have research station...in claiming it was. He says the any reporters around to blab retrospect I see it as biting Ark is strengthening its research and demonstration role and has expanded to out-

Public relations and institute of Man and formation services have improved with extended visiting programs including

Living quarters of the Ark are heated by solar heat and wood. The active solar is in action again since this past week when leaking panels were repaired.

The solar greenhouse - the largest in Canada - houses 400 gallon fish tanks which serve for hatching, growing and keeping larger fish, as well as storing heat.

Waste from fish is used as natural fertilizer in vegetable growing in the

greenhouse.

"It works...our yields are as good or better than those of Ontario greenhouses," Dr. MacKay says

So within the greenhouse the heating system, the fish project and crops grown without chemicals or commercial sprays, along with pest control, has been successful. The greenhouse has operated through three winters, Dr. MacKay says.

In gardening outside, workers are continuing experimentation in biological food production. Workers have extended their fish project into outdoor ponds.

The Ark's greenhouse

operates on less than onequarter the cost of heating a regular greenhouse. Regular greenhouses require heating in winter and cooling in summer consuming more than a greenhouse designed to retain more consistent and controlled heat.

EYE FUTURE

The Ark is now designing a new solar greenhouse potentially commercial. There are also plans by two commercial growers for solar greenhouses.

An optimistic Eric MacEwen, public relations officer for the Ark, says: "I can see solar greenhouses dotting the communities across the Island" in years to come.

Becoming independent in food production is fundamental to self-sufficiency on the Island, Mr. MacEwen said, because it means importing fewer things.

demonstrating "We're how we can be self-reliant.'