

UO Bookstore

Autograph Party



Meet the
Men & Women
of
U of O

MONDAY OCT. 17th 3 - 5 p.m.
GENERAL BOOKS - UPSTAIRS

Calendars 20% off

Oct. 17 - 22nd

13th & Kincaid
Mon. - Fri. 7:30 - 5:30
Sat. 10:00 - 3:00
Supplies 686-4331

PEACE CORPS Special Work For Special People



Peace Corps volunteers are people pretty much like you. People with commitment and skills who have assessed their lives and decided they want to be of service to others in a troubled world.

The problems our volunteers deal with overseas aren't new. Such as the cycle of poverty that traps one generation after another because they're too busy holding on to get ahead. The debilitating effects of malnutrition, disease, and inadequate shelter. Education and skills that are lacking, and the means to get them too.

Your college training qualifies you to handle more of these problems than you might think. Such as teaching nutrition and health practices; designing and building bridges and irrigation systems; working on reforestation and fisheries pro-

grams; introducing better agricultural techniques; advising small businesses and establishing cooperatives; or teaching math and science at the secondary level.

The number of jobs to do is nearly as great as the number of volunteers who have served since 1961: Nearly 90,000. More volunteers are being chosen now for two-year assignments beginning in the next 3-12 months in Africa, Asia, Latin America, and the Pacific.

Our representatives will be pleased to discuss the opportunities with you.

The Toughest Job You'll Ever Love

INFORMATION BOOTH:

Mon. - Wed., Oct 17-19
EMU, 9 a.m. - 4 p.m.

SEMINAR & DISCUSSION:

(Led by former volunteers)
Mon., Oct. 17, EMU Forum Room
Noon - 1 p.m. Public Invited.

FILM & QUESTION/ANSWER SESSION:

Tues., Oct 18, EMU Forum Room
3:30 p.m. Public Invited

SCHEDULED INTERVIEWS:

Thurs. - Fri., Oct. 20-21
Career Planning & Placement Center,
Susan Campbell Hall
9 a.m. - 4 p.m.

Sign up in advance and bring a completed application to your interview.

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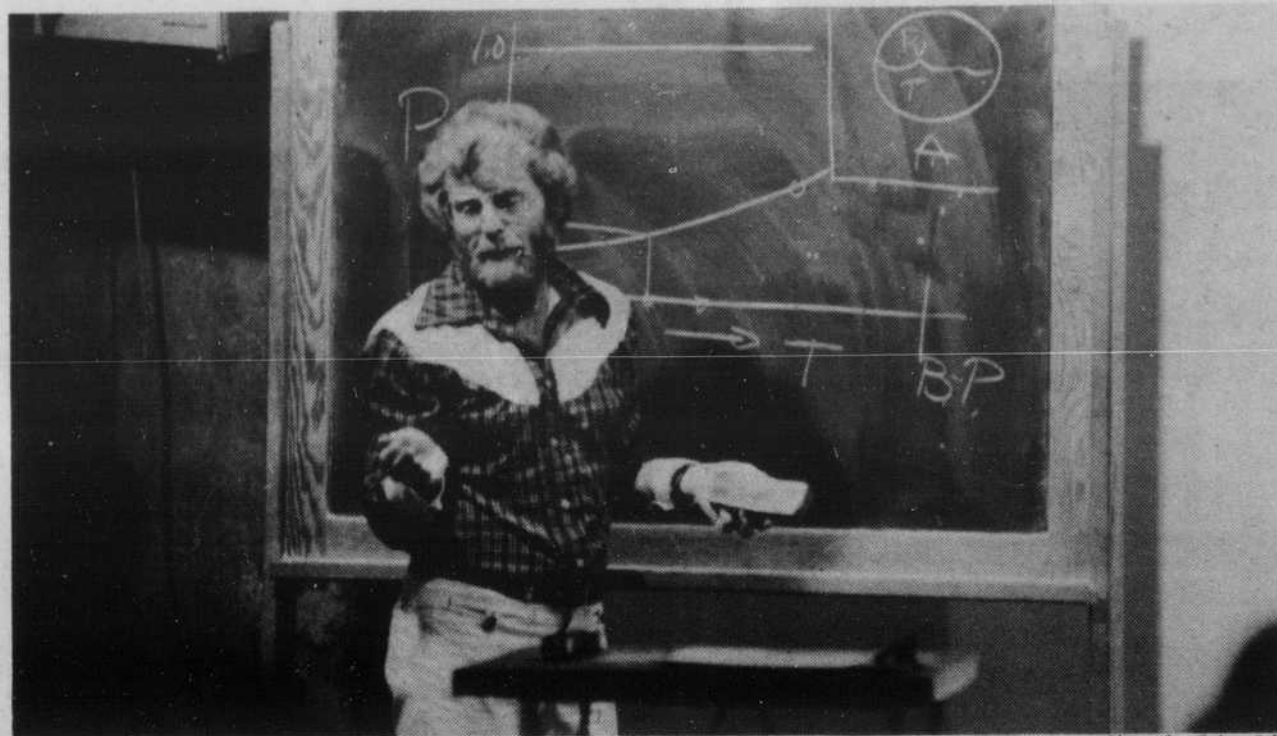


Photo by Brian Erb

Inventor and physicist Eldon Haines demonstrates his solar-powered water heater that requires no electricity and has only one moveable part.

Sun lands inventor in hot water

By Michael Doke
Of the Emerald

When Eldon Haines finds himself in hot water, he just has to look toward the sky. He knows it's gotta be a sunny Oregon day.

Haines, a local inventor and physicist, has developed a way to heat water without using electricity. In fact, his geyser-pump solar collector only has one moving part.

"It's an elegant solution to a nasty problem," he said Wednesday night in Lawrence Hall. Haines will demonstrate the design at the Solar '83 Energy Product Show Friday and Saturday at the Eugene Hilton Conference Center.

Operating like a natural geyser or a coffee pot, Haines' system gets its power from boiling water with the aid of the sun.

Water slowly travels upward through a solar collector until it reaches the boiling point, he said. The hot water is then forced down copper tubing where it flows into a solar heat exchanger. Here it warms fresh water in a large storage tank.

A vacuum develops as cooler water leaves the exchange area and passes through a vapor condenser. From here the original water returns to the solar collector to start the process over, Haines said.

Haines, of Bohemia Solar and Scientific, Inc., Eugene, said the lack of moving parts makes for a more efficient system. A check-valve, or flapper device, that keeps water from backing up is the only moving piece.

Low costs in both initial set-up and lifetime maintenance of the geyser-pump system could make it competitive with the popular electrical-powered systems, Haines said.

The system could also be used in areas without electricity and could be a technology exported to other nations, especially third-world countries, he said.

In the Northwest, Haines' device could be used to store hot water for days, he said. The geyser-pump can gather solar energy even on cloudy days, retaining almost half of the heat reaching its collectors.

Haines admits his system is not as efficient as conventional, externally pumped designs. The geyser-pump moves water only 65 percent as fast as the electric model and relies on solar heated water for power. But his invention is new and will develop with technology, he said.

And Haines will stand by his solar system.

"We are almost hoping for a cloudy day at the show this weekend. We can at least collect warm water and show that the system works."

Seminars focus on solar energy

"Putting the Sun to Work" is the theme of the Solar Energy Association of Oregon's annual conference, to be held at the Eugene Hilton Friday and Saturday.

Donald Aitken, chairer of the American Solar Energy Association,

and Rep. Jim Weaver, D-Oregon, will be keynote speakers.

A variety of seminars about energy conservation and renewable resources will be offered, says Allen Brown, executive director of SEAO. Conference hours are from 9 a.m. to 5 p.m.

both days.

The conference is being held in cooperation with the University's Solar Energy Center, Lane Community College and Lane County.

Registration fees are \$30 for one day and \$50 for both days. One hour of graduate credit is available from the University's Continuing Education program for an additional \$24. For details, call 686-3696.

Local food drive to help Eugene's hungry residents

The campus hunger-action group will be collecting food Saturday in conjunction with the United Nations-sponsored World Food Day.

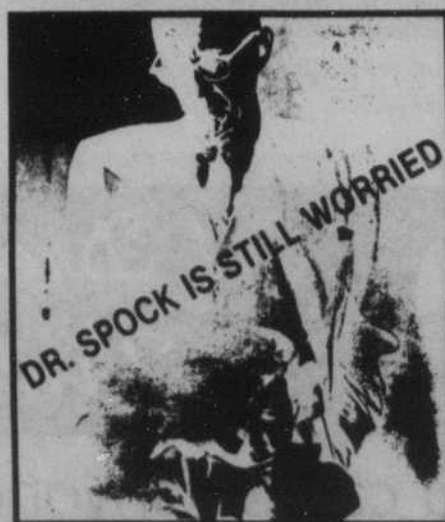
Last year's food collection day brought in "one and a half Toyota liftbacks" of food for the needy, says Amy Clark, a coordinator of the event.

"By doing this in conjunction with World Food Day, we want to show that there's hunger in Lane County as well as hunger around the world," Clark says.

The collection will take place at Albertson's on West 18th from 9:30 a.m. to about 6 p.m. Saturday, Clark adds. The hunger-action group will have an organizational meeting at Koinonia Center (across from PLC) at 3:30 p.m. Friday. Clark urges everyone interested to attend.

For more information, contact Clark at 683-8318 or Tammy Kitchen at 683-6342.

emu Cultural Forum Presents



Dr. Benjamin Spock will be speaking on
"Raising Children in
the Nuclear Age"

Saturday, October 15,
8 p.m. • EMU Ballroom

Tickets: \$1⁰⁰ U of O Students
\$2⁰⁰ General Public

(All tickets will be sold at the door)

Free Child Care Available

Call for Reservations 686-4384, 686-4373