

Homegrown energy could fill state's needs

Analysis by
DAVID STEINMAN
Of the Emerald

Listening to Howard Richmond, it seems if Oregon were to rely on its own renewable resources, the state would be energy self-sufficient by the year 2000.

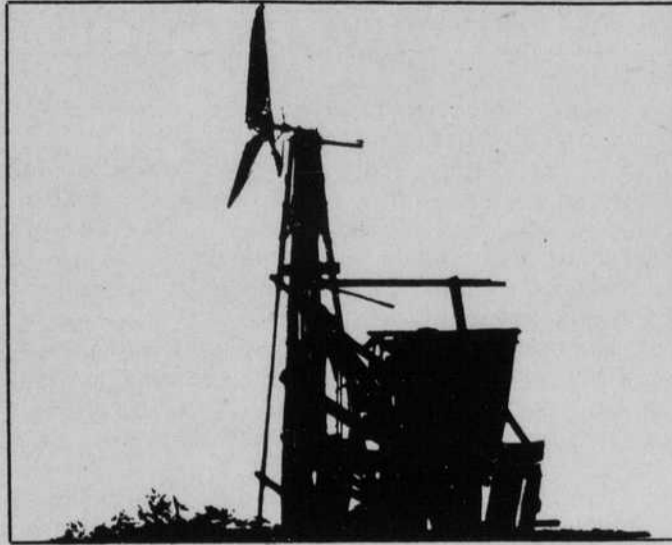
Richmond, a renewable resource engineer for Oregon's Department of Energy, is currently synthesizing task force reports from the state Alternative Energy Development Commission. The AEDC, with nine commission members and six 15-member task forces, is studying the in-state potential for geothermal, wind, solar and conservation, biomass, alcohol fuels and hydroelectric power.

The 1979 Legislature created the AEDC to measure how much and when renewable resources will become available in Oregon, and relay the information to Gov. Vic Atiyeh and the 1981 Legislature.

The AEDC, which will play a major role in determining the state's financial commitment to renewable resources, has seen its task forces at work since October. In the next two weeks, the task forces will submit reports to the nine AEDC commissioners for review.

Richmond, assigned to the AEDC as a technical adviser, is combining the task force reports for an overview of Oregon's renewable resource potential. Then the people who really control the AEDC — the nine commission members selected and approved by Atiyeh — will incorporate Richmond's analysis into a formal report that will go to the governor in September and to the Legislature in 1981.

Richmond says, based on task-force figures, a conservative estimate of the power available from renewables is 1,500 megawatts. Conservation, an equally important energy source, could provide an additional 1,500 megawatts of power, he says.



Emerald graphic

The hydro task-force report shows how abundant renewable resources are in the state. The total potential power from small-scale dams alone could produce the equivalent of five Trojan plants, says John Bartels, a hydro task-force member. Although environmental constraints would eventually make this an unrealistic evaluation of hydropower, Richmond has considered environmental impact in preparing his estimates.

Despite Richmond's enthusiasm and assurance that renewables could supply all of Oregon's energy needs, the AEDC final report may not be encouraging to those who favor their wide-scale implementation.

The bottom line on the AEDC's commitment to renewable resources is best summed up by AEDC commissioner Paul Lineau, director of the Geo-Heat Center at the Oregon Institute of Technology. Lineau says that while renewable resources are valuable, they should be thought of "as a supplement to nuclear and coal plants."

The dangers of coal and nuclear plants are

reported in the media daily. But renewable resources also present problems.

For instance, a geothermal plant in the wilderness area near Mount Hood would mean at least a five-acre drill site, miles of pipelines and the strong sulfur smell that accompanies geothermal drilling. Environmentalists have already objected to these problems.

On the coast and in the Columbia Gorge, wind farms of 500 two-megawatt wind generators could supply 10 percent of the state's energy needs but could supply the power only about 30 percent of the time; the wind doesn't always blow.

And until the AEDC develops creative solutions to overcome the technological, environmental and jurisdictional problems that accompany the use of renewable resources, the construction of a nuclear plant at Pebble Springs or another coal-fired plant at Boardman are real possibilities.

Richmond acknowledges that financial, environmental and land-use concerns make renewable resource development a still-uncertain solution to Oregon's energy needs, but task force members point out the state is paying economically for its reliance on outside energy sources:

- Oregon money leaves the state to pay coal-mining taxes in Montana.
- Washington taxes its exported hydroelectric power to Oregon.
- Counties and cities, in Washington and wherever else coal plants operate, levy industry-base taxes that help fund their own home-improvement projects, leaving would-be Oregon projects unfunded.
- Pacific Power & Light recently paid \$75 million to improve the pollution equipment of its Wyoming coal plant to meet that state's stringent pollution standards, six times higher than federal requirements.

"Look at it this way," Richmond says. "By developing renewable resources, you're keeping more local dollars in the state."

FOOD & DRINK

NO MORE BULLSHED!

Louis Owens, former owner of Godtz Garden Restaurant, recently purchased the Bullshed and proudly announces the opening of the new **KONA CAFE** offering a colorful menu of homemade soups, pastries, salads, sandwiches, and Island-style plate lunch. Come and see our new look. Serving Breakfast from 7:30-11:30 Lunch from 11:30-4:30 Monday thru Friday **KONA CAFE** 853 E 13th 345-0214

4-21

EVENTS

KARATE

U of O Karate Club (Go Ju Ryu style) now accepting new members. 350 Gerlinger Annex, Mon-Wed-Thurs 5:15. 4-21

STUDENT HEALTH FAIRE

APRIL 23, 1980 10 AM-4 PM
U of O EMU 167
Free blood pressure, vision, lung capacity and T.B. tests available. 488-4-23

People for Southern African Freedom presents a lecture

VICTORY IN ZIMBABWE

by PROSPER TAKAWIRA of the ZIMBABWE AFRICAN NATIONAL UNION **MONDAY, APRIL 21 8:00 PM** EMU FORUM ROOM 489-4-21

The Survival Center PRESENTS

an award winning slide show

Willamette Trails

which depicts the natural beauty of Oregon's unique Willamette Valley. Also, Bruce Anderson recipient of the Resource Defense Award from the National Wildlife Federation, will speak on Oregon's environmental challenge.

MONDAY, APR 21 7:30 PM FREE 138 GILBERT 497-4-21

ECKANKAR

A WAY OF LIFE presents a five-week discussion series **Tuesday, April 22, 8 p.m., EMU** TOPIC: Secret Teachings of Soul (How Soul journeys to new dimensions on waves of inner sound) Public Welcome. 496-4-22

CAREER WEEK WORKSHOPS

April 21-25, 1980
2:30-3:30 EMU

MON: "Hot Careers for the 80's"

What will be the leading careers for the 80's. Come to this first session of Career Week and find out. **COMING TUESDAY: "Majors/Careers"** Sponsored by: Career Planning & Placement Service 445-4-21

CINCO DE MAYO IS COMING! MAY 2-5

492-4-25

VOTE

David Jennings

Eugene City Council
"Act now to stop Los Angeles type sprawl!" **DAVID JENNINGS** The Progressive Alternative PAID: David Jennings for City Counselor ttn

ENTERTAINMENT

CINEMA 7

10th & Olive-Atrium Building 687-0733
Premiere Engagement Ends Tuesday Federico Fellini's newest masterpiece

ORCHESTRA REHEARSAL

THE DECLINE OF THE WEST IN C# MAJOR "Gloriously funny...so wise, so humane and so witty...ORCHESTRA REHEARSAL is of a piece with this brilliant director's very best work." Vincent Canby, NY TIMES **SHOWING AT 7:30 and 10:30 PM also**

VIVA ITALIA!

A black comedy composed of 9 vignettes, sharing 3 of Italy's top actors (V. Gassman, V. Tognazzi, A. Sordi) touching on politics, old age religion, and love, it is an hilarious yet poignant view of society's shortcomings. Directed by M. Monicelli, D. Rise, E. Scola. "A picture deserving the highest praise." NY POST. **SHOWING AT 9:00 PM ONLY** Reduced Admission Sun Matinee 2 p.m. 447-4-22

EMU CULTURAL FORUM

presents

1980 FILM CONFERENCE SURVIVAL OF THE INDEPENDENT FILMMAKER

Susan Shadburne on presentation of script and grant writing. **Manson Kennedy** on film distribution. **Mike McNamara** on the business of filmmaking. **Lenny Lipton** an overview on independent filmmaking. **SATURDAY, MAY 10 9 AM-6 PM** EMU FORUM ROOM **Films by Oregon Filmmakers 107 LAWRENCE 8 PM** If you're interested in any aspect of filmmaking, then this conference is for you! **\$3 UO Students \$6 General Public** Tickets on sale at EMU Main Desk Seating is limited, so preregistration is encouraged. Those who have preregistered will have priority. This conference is funded in part by the Festival of the Arts Committee. 491-4-21.sb

Boycott Nestle

VOTE YES During ASUO General Election 23rd and 24th 4-21

Lane County Community Health Council Task Force on Industrial Health presents

WORKING FOR YOUR LIFE

WEDNESDAY, APR 23 7:00 PM ROOM 101, EMU **FREE** Free Childcare Provided Presented in Conjunction with the UO Health Faire 484-4-22

The Political Science Student Union presents **THE CANDIDATES ON THE ISSUES WITH**

TED KULONGOSKI

and

CHARLES PORTER

These men are seeking the Democratic nomination to oppose Robert Packwood. **EMU FORUM ROOM TODAY, APRIL 21 3:30 PM** 482-4-21

THE EMU CULTURAL FORUM presents **NEW YORK ART CRITIC**

John Perreault a slide lecture "ART NOW"

John Perreault is the art critic for the SoHo WEEKLY NEWS, and contributes to many other publications. He will discuss current trends in contemporary art, as well as the potential for change in the art world.

Monday, Apr 28 7:30 PM Room 167, EMU **FREE and OPEN to the public** 446-4-21

UNIVERSITY THEATRE PRESENTS

THE DUCK VARIATIONS

a play by David Mamet
a comedy about unconventional bird-watching
APRIL 17, 18, 19, 24, 25, 26 8 PM POCKET PLAYHOUSE \$3/\$2 UO Students BOX OFFICE 686-4191 4-25

EMANUELL

II

JOYS OF A WOMAN Artistically creative, sensual. A movie for lovers. Starring Sylvia Kristel. **THURSDAY, APRIL 24 177 LAWRENCE 7, 9, & 10:30 PM** 4-24

PERSONALS

BOOKS WANTED-TOP PRICES PAID J. MICHAEL'S BOOKS Used. Rare. New **101 West 7th 342-2002** Monday-Saturday 10 a.m. to 5:30 p.m. 5259:tfn

SAMMY: Meet me for a pastrami sandwich at Lenny's Nosh Bar in the Courtyard. **LUIGI 376**

RALLY FOR CHARLES PORTER, the young people's candidate for US Senate. He has something important to say. April 23, 7:30 p.m., Democratic Headquarters, 857 Wilamette. Come and bring a friend. Paid: Charles for US Senate, 96 E Broadway, Eugene. 4-23

10 CENT BEER Every MONDAY NIGHT 9 to 10:30 PM **BIG SCREEN TV** **SUD'S FACTORY TAVERN** 30th & Interstate 5 747-5131 5884:M

CRISIS CENTER

U of O-Telephone Hot Line from 5 p.m. to 8 a.m. Help with personal & emotional problems. Strictly confidential. Call **686-4488**. 5784.MH

LARS: Meet me at 2 AM for a four egg omelette at Lenny's Nosh Bar in the Courtyard. **LOLITA** 375

VOTE

David Jennings

Eugene City Council
NO NUKES, NO HERBICIDES
DAVID JENNINGS The Progressive Alternative PAID: David Jennings for City Counselor ttn

BIKINI LINES, eyebrows shaped permanently by Electrolysis. Since 1971. Terry Kay Myers, 2833 Willamette, 484-6959. 4-23

CALIFORNIA DELEGATES: Mandatory Meeting either Monday Apr 21 or Tues Apr 22. 7:15 p.m. EMU room to be posted: attend only one of these. For info 485-4375 4-21

HAVE A PARTY!!

VIDA BARN

896-3313

4901:MF

ALICE IN WONDERLAND, an equal opportunity movie (both sexes can come). Thursday, April 24th & Friday, April 25th. 150 Geology, 7, 9, & 11 PM. \$1.50 (RATED X). 454-4-21

WE ENDORSE ALAN CONTRERAS ASUO PRESIDENT

Sharon Giteison Albert Maghbooleh
Mark Stapke J. Althea
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Julie Campbell Leo Whitlow
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Lajune Perrin Danny Alvarado
Susan Crampton Cindy Bussiere
Bill Farrell Ellen Schmidt
Sheila Schain Bryan Crowe

DUNGEON MASTER NEEDED: Beginning Dungeon and Dragon players interested in learning the finer arts of "D" and "D". Any interested D. Master Call: Dave or Reid 686-5276 4-23

Representing your interests...

Vote BILL NIMMO

SUAB Position #3

4-24

VOTE

CLAYTON LANCE

for **SUAB #14 & #15** Music, English, Language, Religion & Philosophy Majors **LET'S STOP CURRICULUM CUTS IN OUR DEPARTMENTS** Paid: Committee to Elect Lance 4-24

ELECT GALE GRAHAM

SUAB POSITION # 1/2 & # 15
A candidate seeking a chance to provide RESPONSIBLE representation. PD: Graham
THE GAMMA PHIS ARE PROUD TO ANNOUNCE their 1980 Spring Pledges: Tami Celorie, Julie Gresset, Leanne Haner, Peggy Kelley, Kari Minton, and Cathleen Tarro. Welcome to the house!

CARRIE HARMON: Congratulations! I just want you to know what I think, you're the best. Welcome to membership! Alpha love, YOUR BELOVED BIG SIS

FAITH: I'm really proud of you! But I'm also happy that you're home now. Loving you, KIRT

ALPHA O MAGGIE

I sure have been lucky to have you for a rose buddy! Thanks for everything. JAN

ANGEL: You are a very special person and "Heart to Heart" describes my feelings, expressions. **T-BEAR**

VICKI KASTNER: Happy 21er! Hope your birthday's as special to you as you are to me. Love, your BS KAREN

RENEE DALLAS Congratulations on your initiation. KAT Theta love, DANETTE

IF YOU'RE IN DOUBT about pregnancy Call Birthright free testing 687-8651 6161