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RAIN

Journal of Appropriate Technology

JUNE 1976

VOLUME II, NO. 9

75 CENTS



INSIDE:

SPECIAL NORTHWEST HABITAT ISSUE

(see page 2)

RAIN DROPS

We raised our subscription prices as of our last issue. RAIN is now \$10/year. We have a "living lightly" rate of \$5/year, and I guess we'd define "living lightly" as "having an income low enough that \$10/year isn't affordable." Anyone who's sent \$5 after May 1st without specifying "living lightly" will get a 6-month subscription.

We now have about 1100 subscribers; the Berkeley Solar Group recently became the 1000th.

This issue of RAIN will be going out as a sample copy to people on the mailing lists of *People and Energy*, *The Elements*, and some of *Co-Evolution Quarterly's*. We hope you who haven't seen RAIN before will be interested in subscribing. This deal also means that RAIN subscribers will be receiving sample copies of these publications. We've discussed each of these exchanges separately; they're carefully chosen. We'll lend our mailing list only to publications we value and use ourselves. If you don't want any, let us know on your subscription order and I'll code your mailing label to hide each time we make copies for exchange.

Some housekeeping notes: If you write to us and don't want us to print your letter as-is, please say so. When you write to us and would like us to keep track of you at all, please write your address on the letter itself. We don't always remember to save envelopes till it's too late. And if you have

a detailed request or other message to send with your subscription, it's a good idea to use a separate sheet of paper to write it on. If it's all together, either the subscription or the message is liable to get lost. If you're moving soon, please read the "MOVING?" box on this page. If you live in the USA, the Postal Service won't deliver your RAIN if your mailing label isn't correct. That means that if I type, for example, 235 instead

Moving Soon?

If you soon will want RAIN sent to a different address, please let me know about a month ahead if you can. Otherwise, you'll probably lose at least one month's RAIN. Your copy will be used by the Postal Service as a messenger to us, saying you've moved. If we want to get that copy to you, we have to take a fresh copy, put extra postage on it, re-address it and mail it. Right now there are probably five subscribers a week who move without letting RAIN's subscription person know about it. This includes people who tell somebody *else* at RAIN, figuring that we all remember to pass on such info when appropriate. I'm Anne, the subscription person. Please tell me directly; it helps me smile more.

of 234 as your address, they'll probably return the copy of RAIN to me saying "unknown." It also means they return it if your zip isn't right. When they return it, it costs RAIN 10¢ postage due and if we want to send it again, to the correct address, it costs us a new RAIN and 24¢ non-bulk rate postage. Please, then, put your complete address on subscription orders.

If you would like back issues (and the current issue is now a back issue), the subscription blank has a list of those available. They're \$1 each. From now on I'd like to begin all subscriptions with future issues. Back issues can be ordered as back issues.

If you'll send us \$1, we'll send a sample of RAIN to each of five friends of yours. Please don't forget their zip-codes either.

A subscriber worried recently that we'd charge him the \$5 billing fee if he forgot when to renew his subscription. Don't worry, folks. We'll have some sort of renewal notice. The billing fee pays for the extra time it takes to deal with purchase orders, filing and unfiled that special category of "billed but unpaid" subscribers, etc. We charge it to people who ask to be billed.

When you make new contacts via RAIN, we'd like to know. Also, when you write to them, think about whether they could use a stamped, self-addressed envelope to answer your questions in. (AM)



EVENTS

2nd Conference on Alternative State and Local Public Policies
Institute for Policy Studies
1901 Que St., N.W.
Washington, DC 20009

We reported on the 1st Conference in Madison last fall—this one in Austin, Texas, June 10-13, sounds equally exciting. A gathering of alternative mayors, legislators and other officials and staff people to discuss tax reform, insurance legislation, you name it. Who's doing what where and how we all can help each other. There are more of us in positions of power than one might think!

The National Conference Center publishes a newsletter which is full of ideas and experiences (\$5/yr., 4 issues) and a

For subscription prices, see subscription blank on next-to-last page. This blank can also be used to send us change of address messages.

RAIN's office is at 2270 N.W. Irving, Portland, OR 97210. Phone 503-227-5110.

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THIS ISSUE

Sometimes keeping in touch with what is underfoot gets out of hand.

RAIN tries to be both national and regional.

For this issue only we have focused on what is happening in this neck of the woods.

In order to find out what was happening, we sent out 250 letters, made phone calls, acted as on-the-road reporters.

We found more than we could use. A very important section on inventories of the land was cut, as were some other sections which we will try to get into the next issue.

Thank you all for responding. (SJ)

directly fund a.t. development centers in developing countries. The help of ITDG and V.I.T.A. are being sought to identify people actually doing significant a.t. work in those countries and preliminary planning on centers in two countries—Columbia and Honduras—is presently underway.

Correction: Several issues ago we mentioned the A.I.D. appropriate technology appropriation but incorrectly said it was focused on export of appropriate machinery to developing countries. The intent of the program is actually to

RURAL ROOTS

We try to watch for patterns; what is presented in this section seems to illustrate one: New forms (or old forms in new clothes) of communication in small towns, villages and rural routes. The contacts between rural communities, and between city and country, seem to be increasing; problems traditionally thought of as one or the other's are being grappled with as shared plights.

**Deadwood • Blachly • Five Rivers • Greenleaf •
Creswell • Camas Swale • Tidewater • Mapleton**

About 40 miles west of Eugene in the Oregon Coast Range, there has been, as in many other rural areas, an influx of newcomers, in some ways like the old timers and hillbillies. But then again, not the same.

There was a large wave of people who moved out of the cities in the late sixties and early seventies: then they were often greenhorns who lasted only part of a winter, and surely by the time they saw the second winter come on, moved back to the city or warmer climates.

There were others who stayed and now regard themselves as old timers, sometimes aghast at how rough shod and speedy new people appear.

It is often a unique and unstable marriage of cultures. In Deadwood, a recent meeting of people working at the food cooperative discussed the negative feelings some people had about the way the food co-op was run.

The minutes reflect the cultures and tension: "About 45 families have contributed membership dues to the co-op; the total population served by the Deadwood Post Office consists of 40 star route boxes and another 70 post office boxes.

"Geography and age were identified as two distinguishing divisions: Co-op members tend to be younger and live up the creek, while non-members tend to be middle-aged or older and live along the highway. That is only a generalization, however, since some middle-aged or older folks living on the highway participate and some younger folks living up the creek do not.

"Suggestions for possible causes of resentment included:

- Dislike for some mannerisms, style of dress, or general lifestyle on the part of some younger neighbors.
- Unhappiness with the fact that a VISTA volunteer was helping the co-op and was receiving some tax money.
- Dislike of any neighborhood organizations.
- The idea that the bulk-buying food section of the co-op is competing with the Deadwood Store.

• The idea that many of the people who have moved here over the past few years are transient and may not stay in the neighborhood for a long time.

"Some members at the meeting thought that it is important to recognize the strong tradition of individual independence and self-reliance here. Historically, neighbors have helped each other out in time of need, but basically have lived very private lives and prided themselves on taking care of their own needs.

"It was suggested that newcomers to the neighborhood should be very sensitive to this individualism and respect it, even while co-op members continue to form associations of mutual benefit." (*Deadwood Ditto*, March 22, 1976, p. 1)

The Deadwood Cooperative has also recently been the recipient of a \$25,000 grant to develop wood products on a small craft/cottage industry level.

Some residents in this coastal area have also recently grouped together over what they feel is a crisis—the use of toxic sprays in reforestation.

Residents of Deadwood, Five Rivers and Greenleaf, three small valley communities in the Coastal Mountains of Oregon, have formed an organization called Citizens Against Toxic Sprays (CATS). We are threatened by herbicide sprays which include contaminants shown to cause cancer and birth defects. These poisons are used for eliminating unwanted vegetation because they are cheap—cheap in dollars but not in lives. Evidence indicating that the herbicides being used are a serious health hazard is so strong that we believe they should be banned nationwide. On a more immediate level, the U.S. Forest Service, Bureau of Land Management, Lane County, and private logging companies all spray the land around us; and homesteads and watersheds in our communities recently have been sprayed with herbicides in apparent violation of EPA guidelines not to use them near water or in areas where you would expect to find pregnant women.

CATS has negotiated with Lane County and the U.S. Forest Service, attempting to have our watersheds declared test areas in which manual control of vegetation would replace herbicide use. This would have the added advantage of creating jobs in any area of high unemployment. Lane County officials met with us and, in apparent violation of our verbal agreement, followed up our meeting by spraying along Deadwood

Continued on page 4

EVENTS

variety of interesting publications on such things as "lifeline" utility rates, a model community health service bill and the Louisiana Health Insurance Act. Write for the list. (LdeM)

"Decision-Making in Solar Technology" Conference, June 24-25, 1976, U. Mass, Amherst, Massachusetts, \$75 (\$50 New England Solar Energy Assoc. members).

and

"Toward Tomorrow Fair," June 26-27, 1976 (same location), \$3 adults, \$2 students.

The first annual conference of NESEA will feature presentations on on-going

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research and developments in solar, wind, water, wood, energy design, legislation, economics, construction, storage and recovery. 70 expert speakers including Dr. William Heronemus (wind), Bruce Anderson of TEA, Jim Bensen of ERDA's Solar Division. Working solar technologies will be demonstrated. The Fair follows the conference and includes speakers (Ralph Nader, Herman Kahn, Robert Theobald, Helen & Scott Nearing, Jeremy Rifkin, Stewart Brand, Murray Bookchin, Gil Friend, Hazel Henderson) outdoor exhibitions, workshops, films and entertainment.

For information on both the NESEA Solar conference and the "Toward Tomorrow Fair," write or call:

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**Toward Tomorrow Fair
200 Hills North
Univ. of Massachusetts
Amherst, MA 01002
413/545-0474**

Complex, May 28-31, 1976

The 4th Regional Communications Conference will be held May 28-31. The first 3 days will be located at Fairhaven College in Bellingham, Washington. For the fourth day of activities, the conference as a whole will move to Vancouver, B.C. For more information, write to: Cascadian Regional Library, Box 1255, Eugene, OR 97401

RURAL ROOTS continued from page 3

Creek Road. The U.S. Forest Service also met with us and has rejected our proposal for manual control of vegetation. We are initiating litigation in federal court against them. We have complained to the Environmental Protection Agency and the Department of Environmental Quality and are having our water quality monitored by the Oregon State Department of Agriculture. Action against the private company that sprayed a homestead water system with 2,4-D and 2,4,5-T is pending.

Membership in CATS is only \$5, but we are asking for larger donations to help pay for ever-growing legal fees and expenses. We have lots of references on herbicides and would like to get more. Let us know what is happening in your area and we'll let you know about ours. CATS, Route 1, Box 14, Deadwood, Oregon 97430; or Route 2, Box 242, Tidewater, Oregon 97390.

Over in Camas Swale (or as it's known through its post office, Creswell) Oregon, there's the *Hexam Creek Notes*, Church of the Creative, and the Tool Shed.

Johan Mathieson, one of the primary persons involved in the activities, talks about the possibility of rural access to urban information flows, to the world out there in general through the use of telecopiers/telefacsimile.

Hexam Creek Notes is Johan's personal newsletter, in a sense (with access for all), stamped graphically with his hand-written copy, bits and pieces of the world at afar and notices of local happenings.

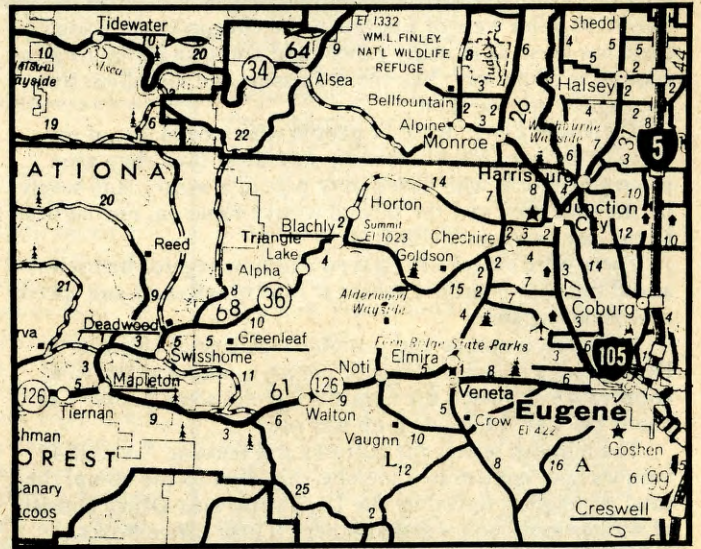
"How It Works," the *Notes* explain: "*Hexam Creek Notes* are published by the Tool Shed and are financially supported by a loose group of friends concerned with life in the Camas Swale Valley. It goes out to all my near neighbors plus a number of other people around the Northwest.

The Tool Shed, for its part, is a rural access center that finances a library and general information depot concerned with the Valley and rural life. It maintains contact with the information nets and does a lot of reaping.

The Tool Shed in turn is supported by the Church of the Creative, a small, rural, intentional community here since 1970. The Church in turn is involved in a number of areas." (*Hexam Creek Notes*, Spring 1976, p. 1)

The coming together, gathering, building bridges seems to be happening, sometimes through spontaneous awareness among many people of: I have roots. I'm staying here. And sometimes through crisis (as in the case of Citizens Against Toxic Sprays—or in California, the case of owner-builders being tagged for housing code violations).

RAIN welcomes other instances of community building. (SJ)



Cerro Gordo
Cottage Grove, OR 97424

I first heard about this planned community talking with some people with the Oregon Environmental Council who were feeling the need to say something. I mean, it's the idea of more people. They were planning a town of 2,500 people—mostly newcomers to the state. They might use, or contaminate, for example, over 32 million gallons of water in a year flushing toilets.

But Cerro Gordo has since gotten informal endorsement from the OEC. They are doing carrying capacity studies of the 1200 acres they are building on, developing small scale industries and from rumors off and on getting involved in many local community projects.

Chuck Missar writes from Cerro Gordo:

How's Cerro Gordo coming? We cut a road in for the well drilling rig this week, and next week we hope to have our first well dug and producing. Now if the water will only be pure and not loaded with arsenic, as is often found in these here parts. We're doing

some site clearing this week for the first home sites. Lord willing and the bankers come through, we'll be starting construction on our first homes in about a month. We keep chipping away at the government bureaucracies (or is it the other way around?) and maybe someday we'll have what we're looking for.

What Cottage Grove feels like? Real good. Most of the time. Sometimes I get very down from feeling that this town is going the way of San Jose, but then I realize it really isn't quite that bad. I just finished my first year on the Cottage Grove Planning Commission. The emotional, intellectual and philosophical push and shove from this involvement is heavy. Land use planning is where the action's at in most cities, I feel, and a lot more people should get vocal in what's happening in their town. Most people aren't heard from until their ox is getting gored. Get involved at the local level, especially in small towns. A little indignation goes a long way.

We love to walk through the quiet streets, past the small older houses, and meet the retired farmers, etc., who come to the city to settle. Our neighbors are priceless sources of information and inspiration. We thought Cottage Grove was a small town when we left the S.F. Bay area. Now we're ready for a really small town.

What's new? We acquired the neighbor's cat, Jasper, before they moved; the *Energy Primer* is in its fifth printing, 75,000-plus copies to date; my little business consulting trip, Briarpatch Services, struggles along; the 80-year-old carpenter gothic house we bought and redid extensively still is in desperate need of finishing; we just got a pickup load of

fresh horse shit delivered for the garden; my darkroom is working out just fine, thank you; we've got a cord of maple out in the side yard that needs splitting still; just got our income tax refund check; with 10 other families we just bought three head of cattle and are awaiting the frozen results; pears and apple trees are in beautiful seasonal sartorial splendor; Dian cleaned up the study; my attempts to take creative pictures of neighborhood cats was a bomb.

A "Californian's" impression of the Northwest? Wet. My fingers are developing a touch of arthritis.

Poor. Every once in a while EP business takes me back to Portola Institute. The fancy cars, fur coats, expensive restaurants lined up like fence posts, etc., boggle the mind when I get to a large urban area. The dichotomy of wealth between an urban and rural area is amazing.

Beautiful.

Wet.

Multi-talented people.

Odd things spotted? Me, in the mirror this morning.

Animals figuring out how to live with us or vice versa? Jasper, the aforementioned cat, trying to figure out where Dian and I are at. The whole process of us each trying to understand the other's biological clock is a real kick.

Peace, sunshine, and a good apple crop . . . (Chuck Missar)

For more information about community land news and developments of other communities, subscribe to *The Town Forum*. They also sponsor town forums. Write for details. (SJ)

Washington County Community Action Organization

546 S.E. Baseline
Hillsboro, OR 97123
503/648-6646

We are a non-profit group organized to serve the needs of low-income and minority persons. We provide the following ongoing services:

- Consumer advocacy for Welfare, Food Stamp, Social Security and other problems.

- Discrimination Services
- Emergency Shelter House
- Gleaning Project—last year over \$57,000 worth of food was harvested from local fields and distributed to over 1,000 low-income, elderly and disabled persons; the food was the windfall crop which would have otherwise gone to waste; farmers donate this food and get a tax break.

- Rural Awareness Project
- Home Maintenance & Winterization
- Juvenile Rights
- Translator's Bureau
- Head Start
- *Rural Tribune*—an 8-page, monthly bilingual (Spanish-English) newsletter, distributed free
 - Update and workshops for Washington County's *Directory of Human Services (Medical and Social)*

Currently operating programs:

- Women's Self-Help Divorce Project
- Natural Food Preservation Project (food dryers, juicers, pressure cookers)
- Community Gardens
- Senior Food Stamp Outreach
- Tax Assistance Clinic
- Bicultural Bilingual Community

Education

- Emergency Food and Nutrition

- Information and Referral
- Tualatin-Sherwood-Tigard Youth Group

Cooperative efforts:

- RSVP (Retired Senior Volunteer Program/ACTION)
- Citizens for Progress through Law
- Emergency Services Coordination

Ideas with energy (expect to be going next year):

- mechanics co-op
- solar energy units
- alternative school
- women's crisis shelter
- migrant day care
- video access equipment
- credit union
- home resource center (tools)
- housekeeping assistants for seniors
- comprehensive child care

(Jim Long)

From the Ground Up

Glen and Kathleen Simmons

Dear Haven Farm
Star Route, Box 1370
Glenwood, OR 97120

Glen and Kathleen challenge the definition of an institution. They live at about the 1200' level on a 30-acre farm 35 miles west of Portland.

In the past several years, mostly through the courses they teach at Portland Community College on homesteading and innumerable other workshops, all in one fashion or another on homesteading, they have entertained several thousand people at their place. (Last Christmas 90 students showed up for supper). It is part of the Simmons' philosophy that in order to teach one must also show: one 98 percent self-sufficient homestead is worth 10-20 lectures (or more).

While maintaining the farm and earning about \$250 a month teaching, they have managed to videotape a half-dozen shows on homesteading and are now in the process of buying



video equipment to continue the process.

And now they are in the final stages of preparing a two-volume, 600-page work on homesteading which they started last winter.

We have only seen glimpses of "From the Ground Up," but realize it will be one of the more complete books on the subject and surely should be of interest to many people. The volumes contain information on: soil, growing, buildings, harvest, storage, food drying, making soap, lotions, sprouts, cheese, livestock, grains and cereals . . .

We hope to excerpt from it in future RAINs. Orders for "From the Ground Up" are now being received. 2 vols. \$9.00, from above address.

A couple of drying hints from the Simmons:

- Instead of slicing vegetables, like cabbage, carrots, beets, celery and green peppers, shred them. These dry readily, are easily reconstituted and can be ground into vegetable flours for baking. Mrs. Simmons says the sliced vegetables just won't go through the grinder properly after they are dried.

- Whole fruits, such as prunes, cherries and grapes, should be dipped in blanch water for about eight seconds, drained, dipped in cold water and drained before drying. This causes the fruit to dry quicker because the skin breaks.

- Fruit leathers are highly concentrated, chewy, nutritious snacks. They are made by putting fresh or canned fruit or any combination of fruits in a blender and liquefying (add small amount of water or canned fruit juice if fruit is too dry). Add sugar or honey to taste and pour the mixture about 1/4" thick on plastic wrap molded inside a cookie sheet.

Put this in the dryer until the upper side is no longer soft. Turn it out onto a cloth, peel off the plastic and let the other side dry in the dryer until no moisture is apparent. It should be dry enough to roll up, but not brittle.

Roll it between sheets of plastic wrap and seal in jars. To eat, just tear a piece off. Mrs. Simmons recommends using pectin for berries to help them set up. Their fruit leathers include grape, strawberry, apricot, apple, cherry and cinnamon-apple.

Most other foods can be blanched with steam for two or three minutes before dipping in cold water and draining. This method preserves more of the natural vitamins and usually helps food hold its color.

- Baking temperatures should be lowered when using recipes with dried foods. For instance, dried corn can be ground into corn meal to make corn bread or muffins. Use less sugar when making the bread and bake at a lower temperature so it won't burn.

- Mrs. Simmons puts most food on dish cloths or nylon netting before placing it on the dryer shelves. Things like corn that could lose moisture on a cloth or glazed fruits that would stick are dried on plastic wrap.

Earth Cyclers

**Rt. 1
Edwall, WA 99008**

A building bee is an old idea in these parts, although it is a rare thing nowadays. We had about 25 people this week who helped us get a good start on a solar heated methane garage. I think everybody had a good time digging, mixing cement, preparing and eating food, making music and visiting.

A major objective of our building bee was to let all the people who have applied for apprenticeship to try it out, but actually the people who came were from other collectives (the Wallowa Tribe and Tolstoy Farm) who came to help, visit and learn about alternative energy ideas.

It looks like the energy project will be worked on all summer, so people who want to know about solar, wind and methane for small farms will be encouraged to come and work on it.



We are also heavily into farming work, right now preparing the fields and garden for seeding. We are trying to develop better ways of producing more protein and oil on marginal land without being dependent on petroleum.

This summer, in addition to the renewable energy project, which is designed to provide water for irrigation, as well as us and the livestock, electricity for the house and laundry house power and hot water for washing machine and perhaps a flour mill, we are testing various methods of growing wheat, oats, barley, potatoes, peas, native black beans, fava beans, rape (for oil), sunflowers, Indian corn, melons, pumpkins, squash, potatoes and raspberries.

We raise cows and are experimenting with training and using oxen and with crossbreeding with buffalo and other breeds, using artificial insemination.

Tom Begnal, our newest member, is caring for the goats, learning to spin, weave, knot, dye, etc. and plans to start a sheep flock this summer.

Doni is compiling and testing information on using wheat with an emphasis on sprouting, malting and combining

to increase food value, for a booklet to be published soon.

We are looking for, and keeping a file of, people and groups interested in sharing as an economic system.

Jaybird's card deck has been very useful for storing and finding information for seed and food sources.

The Hunger Action grant has been very helpful in funding the renewable energy project and the apprentice program even though the paperwork and correspondence is an energy drain. We hope to be mostly self-supporting from now on. We expect the money we need for land and machinery payments, farm expenses and living expenses to come from selling the cattle increase—organic beef, mutton, wool, oxen. The wheat and other crops are for sharing, bartering and home consumption. These practices have already significantly reduced our monetary needs.

We plan to start building a solar

powered airship next year for the Sharing Network. We plan to develop an extended family farm here that will be a nice place to live for countless generations as well as producing a surplus of good food to share with similar and different tribes all over the planet.

We have been eating lots of sprouts and whole grain breads and cereals lately.

Looking for techniques and tools to make our own cement, housepaint, and a solar powered tractor.

We have a big sky here and see much beauty in it day and night. Saw intersecting giant rainbow rings in the clouds the other day with our friends from Wallowa County.

I hope this is of some use to you and I hope you will be able to come by sometime, work, eat and play with us to really find out what we are up to. (Piper)

HOMESTEADING CLASSES

Glen Simmons

Portland Community College

A grand old man who knows just about *everything* you'll ever need to know about homesteading. You couldn't do better. (See page 4)

Cold Spring

c/o Hank Patton
Sacajawea Elementary School
4800 N.E. 47th
Portland, OR

There's much to be learned at Cold Spring—bees, gardening, greenhouses and building in this newly-established experimental farm/community.

Greenpeace Experimental Farm

R.R. 1
Denman Island, BC

They have a summer work-study program—free as long as you provide your own necessities (food, transport, tent). Also seminars and workshops on small scale a.t., realities of alternate life styles, basic applied ecology, and more. One day \$40, weekend \$100. All kinds of options available for individual needs, so write for details.

Outback Program

Fairhaven College
Western Washington State College
Bellingham, WA 98225
206/676-4860, -3600, -3680
Tom Thornton, Jim Hildt

Energy, food and shelter self-reliance education, conferences are conducted in this special program. Windmills, Pelton wheels, pigs, chickens, the carpentry of recycling old barns, extensive practical experience in gardening.

Red Barn Program

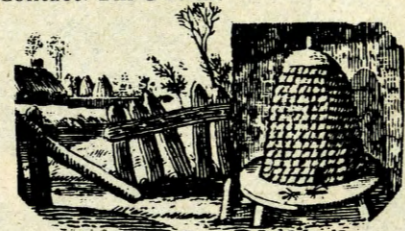
Eastern Washington State College
Cheney, WA 99004
H. R. Simms, Program Coordinator
359-2867

They're offering a nice-sounding collection of courses in edible wild plants, fibers, alternative energy, welding, organic gardening, history of American wilderness, and nutrition for personal use. They're presently building a new wind-powered electric generator so they'll be able to have D.C. lighting in part of the barn. Also planning to install a root cellar, ice house and sunken solar greenhouse.

Rural Skills Workshops

P.O. Box 6093
Seattle, WN 98188

Short workshop program in shelter, energy systems, spring planting, etc. Contact: Bill O'Neill.



School of Country Living

c/o Carla Emry
Kendrick, ID 83537

This summer courses in tanning, weaving, beekeeping, harnessing and working with horses. Carla is the one who put together a rather incredible and highly successful *Old Fashioned Recipe Book* (much more than just cooking) which has just been sold to a publisher for a fabulous sum. (LdeM)

Information Springs

Rural Printed Vehicles

Odd that it is often easier to find out what is happening in Washington, DC, or East Asia than what's happening down the street—or, in the case of people that relate to valleys, mountains, creeks—what's happening down the road or creek a piece.

Without any overall federal program, or an underground conspiracy, in the last few years many—I suspect it is hundreds—of small newsletters, newspapers, have sprung up.

The newsletters, sometimes mimeographed and hand delivered, represent a curious reaction to the communications era.

Often started by people who dropped out of cities, they seem to be representative of a stage of development in rural community building: a soft outreaching, sharing hand or ditto, and simple print, wanting to share problems and delights, and define what it is to live some particular place by increasing the range of communicators and take a stand: our roots are here—what and who is here? (S)



Hexam Creek Notes
82234 Weiss Rd.
Creswell, OR 97426
\$6/yr.

Landward Ho!
Rt. 1
Scio, OR 97374

The Mendocino Grapevine
1484 S. Main St.
Willits, CA 95490
\$7/52 weekly issues

North Country Constitution
Box 4177
Arcata, CA 95521

North Country Star
Box 24081
Oakland, CA 94618
\$10/10 monthly issues

North Okanogan Aid
2906 32nd
Vernon, BC, Canada

Pot Wolloper
18130 Hwy. 36
Blachly, OR 97412

Rural Tribune
Washington County Community
Action Organization
546 E. Baseline
Hillsboro, OR 97123
Free monthly

Scattered Showers/Partial Clearings
Box 568
Hoquiam, WA 98550

The Shasta Union
Box 537
Mt. Shasta, CA 96067
\$4/12 monthly issues

Smallholder
General Delivery
Angente, BC, Canada

Sonoma County Stump
8468 Trenton Rd.
Foresville, CA 95436
\$7/yr., bi-weekly

Wayside Journal
Box 163
Centralia, WA 98531

Western Slopes Connection
408 Broad St.
Nevada City, CA 95959
\$3.50/26 issues

White Mountain Mirror
1030 N.W. Roanoke
Bend, OR 97701

Rural Resources & Information
Rt. 2, Box 142B
Colville, WA 99114

An informal rural network. Sometimes publish *Rural Resources & Information*, working on rural apprenticeship program, and help sponsor annual harvest and barter festival.

Communities/Seriatim
Box 117
McMinnville, OR 97128

Communities, for several years a link between communes in the United States, is making a transition to a more general journal dealing with the utopia science fiction ideas presented in Ernest Callenbach's *Ecotopia*. They are also sponsoring, along with the Alpha Farm and Ananda, a rural communities conference. (Alpha Farm, Box 465, Mapleton, OR 97453.)

Oregon-Washington Farmers Union
Willamette Building, Suite 35
215 Front St., N.E.
Salem, OR

\$1/yr. A good newspaper for small farmers. These are the same people who are supporting the Oregon Corporate Farming Restriction Referendum.

Tilth/Alternative Market Newsletter
Box 2382
Olympia, WA 98507

The single best source of information on news and developments and tools and ideas about small scale agriculture, cooperative ventures in the Northwest. Serves a vital link. All for just \$5/yr.



Borrowed Times
Box 1311
Missoula, MT 59801
\$4/yr., bi-monthly

Co-op Contacts
Box 19142
Portland, OR 97219

Country Women
Box 51
Albina, CA 95410

Deadwood Ditto
Box 32
Deadwood, OR 97430

INFORMATION SPRINGS

continued from page 7



BOOKS/LIBRARIES

Oregon State Library
Salem, OR 97310

You should be able to lay your hands on many books and state documents via inter-library loan. They also have access to the N.W. Bibliographic Center, which means, with some patience, you can have access to materials in any library in this region.

Earth Books Lending Library
Sweet, ID 83670

Lewis and Sharon Watson created this unique lending library in response to holes in state library systems and agricultural extension information. They now own several hundred titles, loaning them out for 50¢ a month, which can go towards purchase of the book. For \$5 you join and get catalog and access to their Country Contacts Directory.

Rural Library
Toppenish, WA

Bart Alexander has operated an informal library for several years, similar to the Tool Shed in Creswell, Oregon, with his focus being on collecting rare 19th century, pre-industrial era farm books.

ENVIRONMENT

Earthwatch

Oregon Environmental Council
2637 S.W. Water
Portland, OR 97201

\$10 membership. Is the best vehicle for Oregon statewide—and then some—news about environmental protection.

FILM SERIES

There are many local filmmakers, as well as ways to procure good films cheap. Both are good ways to draw together a wide range of persons.

Northwest Media Project
Box 4093
Portland, OR 97208
503/223-0626

They offer packages of local films and filmmakers, loaning around 10 films and/or videotapes for about \$100. Write for free brochure.

Division of Continuing Education Film Library

1633 S.W. Park Ave.
Box 1491
Portland, OR 97207
503/229-4842

Distributes films to anyone in the 13 western states. A very large selection. Write for catalog, and to be placed on mailing list. They also arrange series for rural and urban location throughout Oregon.



GATHERINGS

Never underestimate the power of just getting together: without a goal (other than exchanging information and glances) is sometimes best. Since the Alternative Agriculture Conference in November 1974, there have been about a dozen such local and/or regional meetings. The results are not always immediately visible. But give it time and the words often bear fruit. (Simple Rule: always put together a directory of participants and get that distributed.)

Also often as a tangible result of such gatherings—especially if for a small enough local—one can put together an informal learning and skill exchange.

HOSPITALITY

It may be a chicken and egg thing, but the flow of ideas that journeys by performers of one kind or another up and down the west coast often skips from one urban area to another. In part, this is because the smaller towns lack both the space and communications network that can gather interested people, and therefore support the visiting troubadours and minstrels.

It used to be that the main supporters of such flow of ideas were colleges and universities (and, before that, kings and queens); that may be changing and could be enhanced by handmade support centers, a meeting hall and willingness of local people to pool their resources (food, telephones, housing, equipment, etc.).



MAIL ROUTE

The Alpha Community near Mapleton, Oregon, bid for, and won, the local rural mail delivery route. Nice way to get in touch with people.

SHARING GOVERNMENT

Grays Harbor County. Five towns, Montesrno, Elma, Westpont, McCleary, and Oakville, ranging in size from 500 to 2700, have joined together to hire a single city manager . . . and are now talking about hiring a common city attorney and engineer.

Small Towns Institute
Box 517
Ellensburg, WA 98926

The small towns people keep in touch with nationwide developments in the preservation and enhancement of small town growth, on limits to growth—depending, successful small scale rural development program, available grant, good studies and reports. Publishes *Small Town*.



TELEVISION

Cable TV Service in Oregon, 1975-76
Extension Service, Ad S 422
Oregon State University
Corvallis, OR

A description of 70 cable systems in the state of Oregon and public accessibility. May be in some areas this is the best communication.

'75 Sense, TV Town Hall
from: Coos County TV
Box 641
Bandon, OR 97411

The Educational Coordinating Council and Southwestern Oregon Community College helped support this successful town hall meeting via television. Write for final report.

COMMUNITY BUILDING

Many of the same forms, problems and solutions exist for all: city, small town, rural routes, neighborhoods or estuaries.

The complexity, cement, numbers, noise and multiplicity of visions and action in urban areas create unique problems.

Sometimes the problems of urban areas can be greatly lightened by individuals and groups that attempt to sift through the multiplicity of visions, services and alternatives in order to present descriptions of the possibilities.

Sometimes groups form that attempt to offer singular, clear options. Like Washington County Community Action Association and the S.E. Portland Neighborhood Facility.

In order to grasp entire pictures, and because imaginative solutions depend on cross-fertilization of visions, goals, mental and emotional styles, we should learn how to meet and work with people who look at the world through different colored glasses. (SJ)

Office of Neighborhood Associations
1220 S.W. 5th
Portland, OR 97204

There are many exciting developments throughout the country on the neighborhood level. For a general rundown of activities in Portland, write to Mary Pederson, requesting the annual report.

Apple
817 N.W. 23rd
Portland, OR 97210

A people-to-people living exchange. We are working with the NW Neighborhood and North Portland Citizens Committee on the development of a skills bank. The money for the project comes from the national Self Help Resource Center. Plans call for development of the "system" by August for implementation this fall. We would like to hear from others with experiences with similar projects.

In Eugene contact:
Neighborhood Assn. Coordinator
City Hall
777 Pearl, Room 112
Eugene, OR 97401

In Seattle:
Central Community Council Fed.
2410 E. Cherry
Seattle, WA 98122

Home Resource Center
S.E. Neighborhood Facility
3534 S.E. Main
Portland, OR 97214

The facility has been slowly evolving

into a model access center, whose services include:

- A tool lending library—200 tools, including a recently-purchased roto-tiller.
- A low cost health plan insurance
- A service and skills exchange
- Wood co-op
- Job referral, counseling
- Day care
- Community meeting space

For more information, write to Claire Green.

Center for Urban Education
0245 S.W. Bancroft St.
Portland, OR 97201

Recently working on development of ethnic history in Portland (summary of research to date available). This summer sponsoring an urban information workshop.

Eugene Sustaining Fund and Community Meeting
Box 340
Eugene, OR 97401

In 1973 some Eugene organizations got together in a series of general meetings to discuss possible avenues of supporting one another. Out of these meetings came the sustaining fund idea. Now over 50 groups ranging from the home fried truck stop to our federal credit union participate by a volunteer tax system. The money accumulated is dispersed by the members to not-for-profit, democratically-run organizations. Write for details (send self-addressed, stamped envelope).



Metro-Center
909 4th Ave.
Seattle, WA 98104
206/447-4551
Heidi Godding, Maggi Sutloff,
Ron Long, Jarlath Hume

A multi-program center and information node working on food co-ops, updating the *Seattle People's Yellow Pages*, working in the human growth movement, runs a Men's Resource Center and a Divorce Co-op.

Environmental Works
402-15th Ave. E.
Seattle, WA 98112
206/329-8300

Stevan Johnson, Bob Fish

A combination environmental info center (with pamphlets on gardening, energy conservation) and community design center which plans neighborhood playgrounds and community centers. Now they have a mobile tool truck called "The Works/Shop" for use by community groups working on-site. They work out of a converted neighborhood firehouse.



Saturday Markets

Every Saturday, rain or shine, between May and Christmas in both Portland and Eugene, 200-plus vendors display their homemade or home-grown products. The markets have become much more than just exciting places to shop; they have become gathering/meeting places for people. And the craftspeople themselves meet each other and begin a process of mutual aid.

For a good booklet on how to put one together, send \$2.00 to

Saturday Market
P.O. Box 427
Eugene, OR 97402

Foxfire Project

Fort Worden State Park
Port Townsend, WA 98368
206/385-3102

A statewide project involving 12 high schools collecting material using the techniques developed in many parts of the country, originating from the Raban Gap Foxfire Project. A listing of some of the materials being gathered by the students gives us an idea of what their cooperative journal crosscut will be like: wheat farming, old vs. new methods; desert living in the old days; Klu Klux Klan; old industries; home remedies; Quilcene oysters; something about cranberries; Pike Place Market; superstitions; prohibition; local legends.

Cataloging Our Meetings

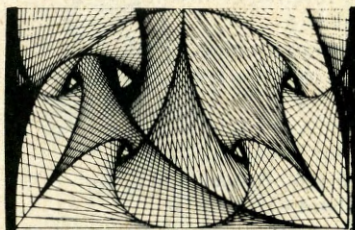
Who started this stuff I'm no longer sure, but the idea has spread in leaps and bounds that, instead of trading business cards, or just wandering away, gatherings for the last couple of years have produced on-the-spot (or soon after) personalized/annotated address books.

While going through stuff for this RAIN I piled up the conference directories, which I list as evidence of this pattern I describe.

- Alternative Media Conference, 1975*
- Community Gardens Meetings, 1975-1976*
- Community Strength—Portland, 1976* (to be published)
- Bend in the River, 1974*
- Biodynamics Conference, 1975*
- Leap Year Conference, 1976* (to be published)
- Montana Agriculture Conference, 1976*
- Synergy Conference, 1973*
- Performing Arts Marathon, 1975*
- Spring Gathering of Healers, 1975*
- Quick City, 1972*

Leap Year Conference
Box 10091
Eugene, OR 97401

Proceedings and directory of participants of this meeting held in February 1976 available some time this spring.



Northwest Alternative Communications Directory

454 Willamette St.
Eugene, OR 97401

\$1. Lists over 250 individuals and groups working in communications and media in the Northwest. (The Directory will be updated and reissued after the 4th Annual Communications Conference to be held in Bellingham, Washington, over Memorial Day Weekend.)

Montana Alternative Agriculture Conference

c/o Jim Baerg
Box 1311
Missoula, MT 59801

Conference catalogs take another step forward. This one includes bibliographies, resource lists and other useful tidbits, turning the people to people concept into a handbook.

Performing Arts Index

1532 S.W. Morrison
Portland, OR 97205

First there was the Performing Arts Marathon, where people from around this area were drawn together, stretching the definition of "performance," and they danced, sang, talked, puppeted, laughed—and then they put together a directory of those performers and many more, along with loads of information useful for performing, for getting the word out, where to perform, legal and funding assistance—and then they put it all together. Has anyone heard of other such directories? \$2 (SJ)

Habitat

It looks like some good things are happening at Habitat. Here's our schedule:

- Media conference in Bellingham, Washington, and Vancouver, May 28 to June 1, Steve & Rhoda.
- Appropriate Technology Gathering, June 2, 3. Bill Ellis (Habitat a.t. coordinator), Bruce McCallum (Environment Canada) and John Ussery (National Council for the Public Assessment of Technology) are three we know of who will be there. And George McRobie (President of Intermediate Technologic Development Group) will be speaking. Tom and Lane are planning to be there then.

Here are some places for further information:

Habitat Information Centre
131 Water St.
Vancouver, BC
604/666-8641

Central source for literature on Habitat (UN Conference) and Habitat Forum (non-governmental organizations).



Habitat Forum. Mail to:

P.O. Box 48360
Bentall Centre
Vancouver, BC

located at:

4397 W. 2nd Ave.
Vancouver, BC
604/228-9011
Hours: 9-5

David Satterthwaite is coordinating the scheduling for Habitat Forum and is particularly involved with the appropriate technology displays.

Brian Burke

Hope Village
c/o Habitat Forum
Box 48360, Bentall Centre
Vancouver, BC
604/736-8971

Brian is trying to put together a spiritual gathering at Habitat Forum. They have acquired several domed structures to accommodate meditations and small group meetings. They are in contact with spiritual leaders from around the world.

The Vancouver Book

Chuck Davis, Ed.
109-525 Seymour St.
Vancouver, BC, Canada

Chuck Davis wrote saying the *Book* would be out in about 3 weeks (from April 23). It is a uniquely designed venture involving the work of around 200 Vancouver writers. Covers a gamut of information about Vancouver, and by all indications should be a model for other cities.

Supported by the City of Vancouver, the catalog includes history, government and administration, climate, soil, birds, architecture, map sources, history of corporations, crafts directory, legal, health, energy resources—even “comic books in Vancouver.”

It may also be the first “Peoples Yellow Pages” type catalog supported by a city government. Chuck reports there are already plans for a *Toronto Book*.

500-plus pages. \$10.95 (SJ)

B.C. Alternative

Alternative Community Group
1520 West 6th Ave.
Vancouver, BC, Canada

This, along with the *Vancouver Book* (odd they are both from B.C. area), are examples of what is a natural evolutionary trend, the consolidation of phone book type directory with magazine and/or whole earth catalog supplements (or now: *Co-Evolution Quarterly*). Very fine job. Access to British Columbia. \$2. (SJ)

North Idaho Access

Box 8367
Moscow, ID 83843

An excellent informative access catalog to Idaho. \$1.94. (SJ)

Peoples Yellow Pages, Seattle

Community Information Center
Box 12002
Seattle, WA 98112

Probably the best overall guide to Seattle. \$1.89 (SJ)

Spokane Resource Handbook, prepared by:

University Year in Action
Eastern Washington State College
Cheney, WA 99004

A 71-page directory to social services in the Spokane area. (SJ)

Bureau of Governmental Research & Service

University of Oregon
Box 3177
Eugene, OR 97403

They publish comprehensive bibliographies, related to community/city management and design, mostly keyed to Oregon, but some general, and with an emphasis on cataloging of state reports and papers. (SJ)

COMMUNITY INVENTORIES

Eugene Contact: A Directory of Community Information Resources

Special Libraries Association
University of Oregon
Eugene, OR 97324

A very good guide, though especially designed to help librarians, with a focus on information. This directory sure serves as an important foot in the door of information exchange in Eugene. 1974 (SJ)

Directory of Human Services, Washington County, Oregon

Washington County Community Action Organization
546 S.E. Baseline
Hillsboro, OR 97123

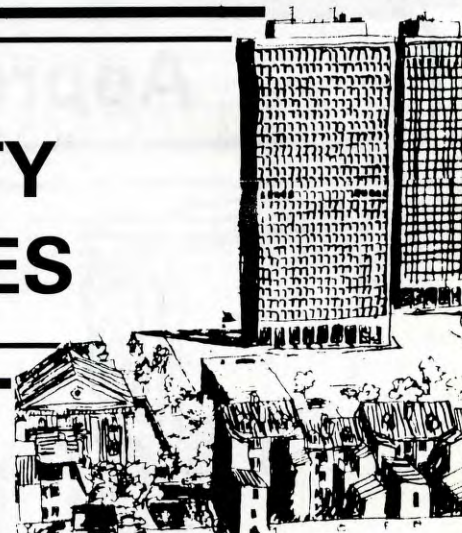
An exhaustive, county-wide inventory of services, groups, and organizations. Unlike your basic urban area social service directory because 1) it's about an area both urban and rural, 2) it includes most everything under the sun, 3) has a unique indexing system (developed by the University of Southern California), and 4) Jim Long, chief cataloger, offers workshops—even in grade schools—on how to use the catalog and how to access community information in general.

The *Directory* also graphically illustrates the need and uses of computers—if it takes 300 pages to cover a modest (but lovely) county in Oregon, what's the state or ultimate cosmic catalog look like? \$4.95, includes quarterly updates. (SJ)

Multnomah County Programs & Services

Office of County Management
426 S.W. Stark St.
Portland, OR 97204

The catalog is an attempt at cataloging the services provided by Multnomah County government, with a focus on accountability. Each description contains problem statement, objectives, productivity indicators and program costs, which may sound rather dry, but I feel it is a tool for the public by which they can better understand the structure of county government and relationships between costs and benefits. Write to Don Eichman for more information. (SJ)

**CITY/COUNTY AND STATE AGENCY DIRECTORIES**

It is not a widely-known fact that there are such things because they were designed for use by the governments. But when our only access to the elaborate bureaucracies is what appears in the form of phone books, these directories become a vital tool for locating individual departments, and, equally important, they give you a more complete picture of government.

Perhaps if we put enough demand for better access someone will come up with directories designed for public access. In fact, there have been attempts. The City of Portland published a *problem-oriented* directory to services—which until you see it you don't realize what a difference it makes, e.g. rather than dept. of this or that, you find: acupuncture, assumed business names, cable TV, copyright, etc.

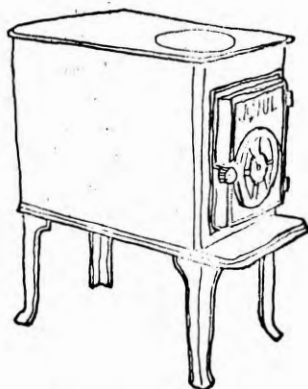
Also, the Dept. of Commerce (State of Oregon, Salem 97310) published a problem area indexed directory. (SJ)

Federal Government Information I've found the most difficult to access. In my seeking out what's an interesting or essential service, I've sometimes turned to the *U.S. Organization Manual* (Government Printing Office, Washington, DC 20402, \$5.75). But as often I've called Federal Information. In Portland, Coral Buechler and assistants have become legendary. Several times her name comes up as an exclamation: when we can't figure out where to turn, we call the Federal Information Center. The Portland office (3 people) answers 600-650 calls a day. The Information Center answers questions outside of official government information because, as Coral Buechler explains, “People don't know where to look for information.”

Seattle: 206/442-0570
Tacoma: 206/383-5230
Portland: 503/221-2222

(SJ)

Appropriate Technology



Wood Stoves

Bill Day

Anchor Tools and Woodstoves
618 N.W. Davis
Portland, OR 97209
503/223-3452

Author of our previous wood stove articles (RAIN #3, 4, 5), Bill carries Jøtul, Warm Morning, Air Tight and more. He also rebuilds and repairs all kinds of old ones—according to the feedback we've gotten on his articles, Bill's about the most knowledgeable person around when it comes to wood stoves. He's also got a lot of neat second hand odds and ends in his store.

Tom Lang

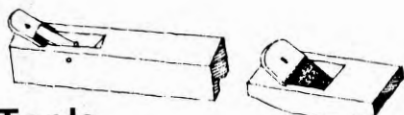
Greenpeace Experimental Farm
RR 1
Denman Island, BC

He carries Joel, Enterprises, Enheat (Fawcett), Lunenberg and others.

Fisher Stove Works

5402 East 4th Plain
Vancouver, WA 98661
206/695-6123

A nice cottage industry. Fisher stoves are made by franchises who get sole distributorships for certain geographic areas. "Our customers become our warm friends."



Tools

Tashiro Hardware

109 Prefontaine Place
Seattle, WA 98104
206/622-8452

Best source we know of in the Northwest for Japanese tools, also a good, old-fashioned hardware store.

Tom Lang

Greenpeace Farm
RR 1
Denman Island, BC

He's working on setting up a cooperative enterprise for selling various alternate technology hardware, books, tools, etc.—"in essence we will be a clearing house for appropriate techniques for developing environmentally appropriate lifestyles." Shares will be sold at \$100 ea (per household unit) entitling members to a 10 percent discount on all items in the catalogue. Sounds like a good model for other communities.

Pioneer's Mercantile

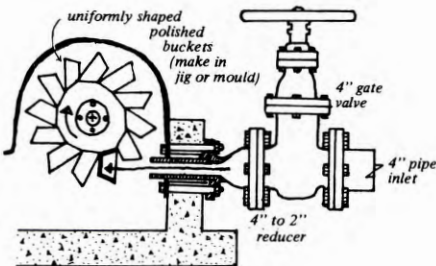
P.O. Box 386
Langley, WA 98260
206/321-5466

A new central supply house soon to begin in Seattle—home designs, energy, water and waste systems, hardware, garden equipment, power and hand tools, housewares, wood heaters, stoves, games, musical instruments, fabrics and clothes. Retail, mail order and wholesale. Looking for good people to get involved.

Country Tools & Supplies

851-1/2 West 12th
Eugene, OR 97402
(503) 342-8679

A fun and useful place to visit—they have everything from shovels to food mills. Just about anything you'd want for homesteading. In operation for a year and a half now, they have price lists available for ordering by mail.



Water Power

Bill Kitching

Small Hydroelectric Systems
and Equipment
P.O. Box 124
Custer, WA 98240
206/366-7204

Has some sheets of good information on pelton wheels and water power free for a stamped, self-addressed envelope.

Rick Gustafson

The Skookum Co.
8524 N. Crawford
Portland, OR 97203

Skookum Columbia Hydraulic Rams, used to irrigate and pump domestic or municipal water supplies, are available for \$297 to \$760 from the Skookum Co. They also manufacture logging equipment. Although repair is rarely necessary since most rams are simply and ruggedly made, Skookum maintains a complete line of spare parts which are shipped air mail for installation by your local machine shop. Write for free brochure explaining how a ram works, how to figure size needed and a capacity of water that can be pumped.

Mike New

Canyon Industries
Deming, WA 98244

Has a low head (28 ft.) plastic pipe turbine which produces 50 amps at 14.8 volts D.C.

Guy B. Imega

Lasquito Island
BC, Canada

Bob Ness

Institute for Alternative Futures
P.O. Box 81
Mt. Vernon, WA 98273
206/442-4940

Has a working pelton wheel.

Clivus Multrum

Swedish compost toilet distributors:

Davis Straub

PRAG
747 16th Ave., East
Seattle, WA 98112

Ron Davis

P.O. Box 23
Cottage Grove, OR 97424
503/942-2019

Len Dawson

Housing Assistance Service
4615 Bagley Ave. North
Seattle, WA 98103
206-632-0902

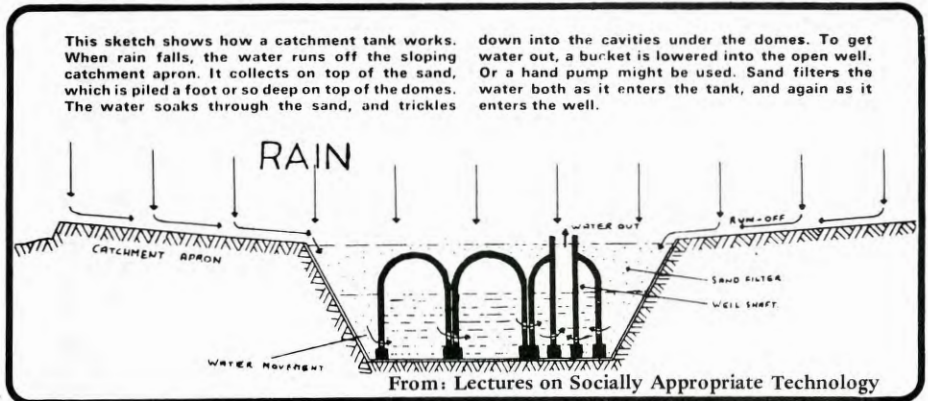
Owner-built compost toilets cost \$600 in materials, not \$100 as printed in the RAIN April '76 poster issue on "Flush the Flush Toilet."

Lectures on Socially Appropriate Technology, edited by Bob Congdon, Oct. 1975, \$6 seamail from:

TOOL
Postbus 525
Eindhoven, The Netherlands

This is by far the finest document we've seen produced so far on appropriate technology. A clear, down-to-earth report on what has been accomplished, mostly by ITDG, in many areas: pedal power, intermediate building technology, agriculture tools, chemical technology, education, water technology and industrial liaison. Well documented with good photographs and case studies that should show convincingly that a.t. comprises a vastly broader and more effective range of applications than merely alternative energy hardware. (TB)

"Incidentally whilst talking about muscle power, its efficiency is interesting. If you assume that a man eats 2,500 to 3,000 calories a day . . . this is equivalent to about an eighth of a ton of coal a year. If you take our earlier assumption of working 8 hours a day for 200 days a year at a tenth of a horsepower, it means that a man treated as an engine is about 10 to 15 percent efficient. It is really very good, it is almost as good as a petrol engine and costs far less. . . ." P. D. DUNN



BOOTSTRAPS

An informal polling of people at a Portland gathering of *active* alternative organizations showed that almost everyone was either on unemployment or CETA. "Not a very strong financial base for the community," we all chuckled.

It has been relatively easy to get government "grants" these past couple of years to work for social change or to take time to "get it together." I doubt that the powers that be realize how much good they've done (not that it would be good in most of their eyes!).

And it certainly has helped a lot of organizations (including ours—Nancy Lee has a CETA) keep their heads above water. But it *isn't* a solid financial base partly because it could be taken away from us so easily (the flick of a few legislators' computerized voter buttons). It's so easy to rely on that false sense of security without building up a self-supporting organization, whether it be to move towards a magazine with subscribers or a small business which provides useful services and/or allows us time to do other things.

As Tode Oshin pointed out the other day, we're well on the way to getting our food system under our own control with gardens and co-ops, and it's time to begin work on supplying our other needs—shelter, clothing, transportation. The more we can circulate our money within our own community, the more we can begin to generate the capital base to develop the kinds and quality of goods and services we really need. By "community" I don't necessarily mean geographic community (at least not *yet*), but the broader simpatico community of like-minded folks working towards ideals of cooperative, *appropriate* ways of living and working.

The following are a few ideas and examples of people who are creatively redefining their means of finding *right livelihood* in the Northwest. The list is by no means exhaustive—in fact it's only the tip of the iceberg, for if there's one thing we learned from the gatherings of this spring it's that there are a lot of us out there! (LdeM)

Hoedads

P.O. Box 10091
Eugene, OR 97401
Gerry Mackie, President

The Hoedads are a tree-planting collective of 300 people who work as well-organized teams on large contracts all over the Northwest. It's hard, healthy work, but it pays well and leaves them several months each year to do as they please. They have developed a system of taxing themselves 8 percent of each person's earnings in order to have a reserve fund to obtain bonding (required for large government contracts), buy equipment and tide themselves over slack periods and delays before payment comes in. In two years they have accumulated \$90,000, which is now allowing them the luxury of giving small grants and loans to community projects they're interested in. They provided seed money for the Leap Year Conference,

for instance (which is where I met them). Good folks—and a very fine example of working within the capitalist system for alternative ends. (Sorry, they are *not* looking for more people.) (LdeM)



Nomadic Tipi Makers
Star Route, Box 41
Cloverdale, OR 97112

Jeb and Caroline at Nomadics are still one of the best examples we know of

appropriate small business. They make fine tipis—write for their price and size list—which they are constantly revising (sometimes up and sometimes *down*) to reflect their true costs. They sell about 400 tipis a year—all mail order—and gross about \$10,000. They spend one day a week cutting pieces in the loft of their barn overlooking the ocean and four mornings on mailing. The sewing is contracted out to local farmers' wives—all they need is an industrial sewing machine (\$400 investment) and a corner in their homes. It's piecework but they average between \$5 and \$8 an hour! Their initial investment is quickly paid off and if any of them wanted they could branch out into work on their own. Jeb and Caroline say their sewers make more money than they do because the women do more work. This summer they are going to be moving to

Continued on page 14

continued from page 13

Central Oregon (a local high school boy will drive the work to the women) where they can have more room for their first love—raising and training horses. Jeb is a licensed ferrier. We'll keep you in touch with them.

Bicycle Repair Collective
1912 S.E. Ankeny
Portland, OR 97214

and
Mom's Garage (auto)
520 N.E. Russell
Portland, OR

Seven days a week. Do your own work: \$1/hr. space; \$2/hr. space and tools; \$3/hr. space, tools & advice.

Two new groups in Portland who are providing services to the community while earning a right livelihood. We all need to support these kinds of efforts.

Cloudburst
2440 N.E. 10th
Portland, OR 97212

"My folks were really amazed when I said I was a garbage person," says Michaela Moore Marcus. "It's very hard work!" She and Dave McCahon run a neighborhood recycling business for 110 families in N.E. Portland based on the ORE Plan system of collecting separated wastes from households. Although they have received some threats from city garbage collectors (private concessions in Portland), their business is going well. They're working on a good system to enable them to legally compost their organic wastes, and they wish they had a bit more money for a larger compactor and a better truck. Bruce Nelson and friends run a similar business in another neighborhood:

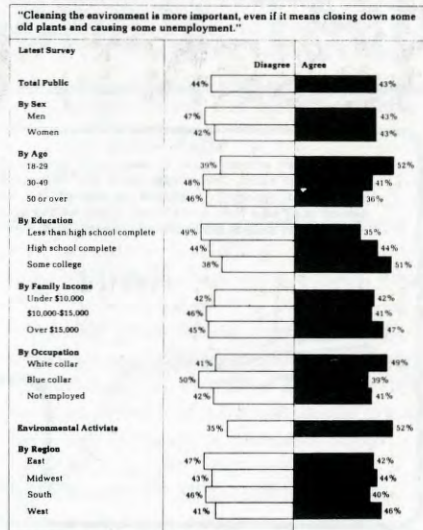
Sunflower Recycling
521 N.E. Russet
Portland, OR

Here are some other ideas we've had or heard of—any takers? Shoes, clothing, car rental (a cheap, versatile service so we in the city could get different vehicles for different needs on the few days a month we really need something), building recycling, wind and solar manufacturing, bed & breakfast networks, telephone answering, community food canneries and

Whoops! I almost forgot Irish Setter, our typesetter, who have an IBM composer on their sun porch and do a thriving business. 4125 S.E. Taylor, Portland.

Job sharing is a concept that seems to be taking hold even in very straight, traditional situations like banks and universities. I've seen articles on it recently in *The Willamette Valley Ob-*

Overall, people are also sharply divided over whether cleaning up the environment is important enough to take precedence, if it means closing down some old plants and causing some unemployment.

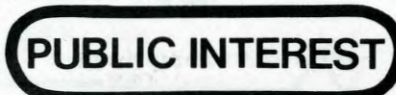


server (April 16), *Ms. Magazine* (May 1976), and the *Oregonian*. Another term for it is part-time—hiring two people to take responsibility for a job. In Eugene two women share a school nurse position by simply dividing up the day. They can cover for each other when they're sick or can work together for busy days like hearing tests. In some jobs that are more flexible time-wise, two people simply divide up the work. As each tends to work more than the required hours, employers often get more for their money—even if they are paying full benefits to each. Much of the credit for the new trend can be given to the women's movement—more qualified women who need flexible hours geared to child care problems. Oftentimes jobs are shared by a couple, which means hours at home can be divided equally. Whatever the reasons, it seems to be a healthy move towards increasing a person's work options.

Flexible Ways to Work
Doug and Roz Clark
2683 Alder
Eugene, OR 97405
503/343-5528

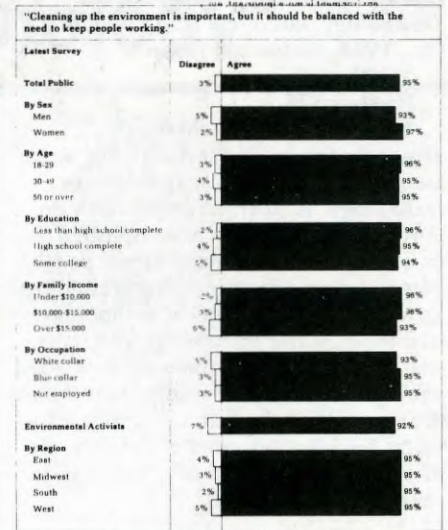
New Ways to Work
457 Kingsley
Palo Alto, CA 94301
415/328-4974

These groups offer free educational and counseling resources for employers and potential employees who would like to try job sharing.



Pacific Northwest Research Center
University Station
Box 3708
Eugene, OR 97403

However, most people, in all walks of life, agree that it's necessary to maintain a balance between environmental protection and full employment.



These folks are doing public interest research on corporations and business practices in the NW. They welcome requests for research assistance from community organizations interested in social change.

Public White Papers
Seattle Community Information Project
P.O. Box 12002
Seattle, WA 98112

A new quarterly periodical to aid citizen activists in understanding the impacts, potential solutions, legislative and public hearing processes in such community topics as nuclear power, red-lining, land use and zoning. A "non-convention" assembly of 600-700 community activists and state legislature candidates is also being planned. (LdeM)

The Idaho Study Group
P.O. Box 8482
Moscow, ID 83843

ISG is a similar group geared more specifically towards their own state.

Northern Rockies Action Group
Number Nine Placer Street
Helena, MT 59601
406/442-6615

NRAG's goal is to catalyze change by helping the effectiveness of citizen action/public interest organizations. They run training institutes, help develop financial viability and publish the *NRAG Papers*, a quarterly journal focusing on skills development. The first issue is on fund raising. Upcoming issues are to be on small newspapers, constituency building strategies, staff training, communications skills and administration of public interest groups. Memberships are \$25/yr. Subscriptions are \$12/yr.

NW ENERGY: PAST, PRESENT, FUTURE

As elsewhere in the U.S. and the world, the primary mechanism underlying the changes in the Pacific Northwest's historical patterns of energy consumption is the economics of oil. Previously those with wood heat and energy-conservative solar homes were seen as weird inventors or eco-fanatics. Now millions of others have come to see that these societal curiosities were just more perceptive of our nation's energy future, acted on those personal signals and have given us examples to follow. These same people, with the same alertness, have other valuable energy intelligence that they're daily bringing back to the rest of us still far behind the front lines. The perceptions of people who have already been proven correct in these areas are now telling us where the web of life will be affected next. Their awareness is so acute and trustworthy because theirs is understanding of things experientially, intuitively and enthusiastically aligned with what's happening, rather than just with the economics of energy and resources.

As we (and they) gaze into the future we see that the same forces behind the surge of interest in solar energy will cause change in social institutions as well. Our wasteful energy habits have been built on the availability of cheap

energy and money. Now we are examining the dollar and energy effectiveness of all our existing patterns. We are now recalculating the value gained in each and every use of energy in social organizations, eating habits, living patterns, value structures and the small details of our personal responsibilities.

A five-year before and after view of the Pacific Rim provinces reveals that: (1) the Henry Mathew and Eric Hoffman solar homes have been followed by 40 to 60 more, with hundreds planned, as solar energy becomes a middle-class phenomenon and very popular politically. Architects are rediscovering passive solar systems, the "thermal flywheel" effect of building mass and design with climate principles; (2) the cord price of wood has about doubled, and sales of wood heating and cooking stoves have risen, welded stoves are built in garages and old ones are repaired; (3) BPA, PGE and PP&L no longer ridicule the idea of large wind turbines on the rim of the Columbia Gorge or the Great Plains . . . they are now vying for four NASA-designed wind generators available for utility testing nation-wide; (4) energy conservation, once the province of environmentalists is now a patriotic duty; (5) utilities have built solar test homes, sometimes incompetently or unnecessar-

ily expensive, in order either to understand the effect of solar home heating on them or to maintain the Pacific Northwest's built-in "solar inferiority complex" by demonstrating that solar energy is too complex and expensive for most people; (6) suburbanites are flocking back to the cities, creating housing shortages, remodeling fine old homes near condemnation and demanding better mass transit to save on auto gasoline costs; (7) gardens and season-lengthening solar greenhouses are sprouting up all over; (8) environmental organizations are paying more attention to energy, understanding that attempts to use up quickly whatever energy is left will mean great stress on surrounding ecologies. They are demanding and getting environmental impact statements on utility company plans for expansion when customers have demonstrated they'll conserve if the burden is fairly distributed.

All of these activities, on top of the greatest hydro-electric resources in the nation, may begin to make the Pacific Northwest the first steady-state region in the nation and economy. We'll spend more energy and dollars for maintenance of existing structures and systems than we do for growth; we've already begun.

(LJ)

NW Energy Directory Update

The following are new or corrected addresses to be added to those listed around the "Northwest Energy Directory" which can be found on pages 16 and 17 of the Nov. 1975 RAIN. Always try these local organizations first with your questions.

Don't forget to take a look at the environmental education and lobbying groups listed elsewhere in this issue . . . they are paying attention to energy matters also.

Washington

Snohomish

Ecotope Group
Box 618, 98290
206-322-3753
(Evan Brown, Ken Smith)
Non-profit education, research;
methane, solar, wind, energy
conservation, wood heating.

Seattle

Environmental Farm Program
Shoreline School District
N.E. 158th and 20th N.E., 98155
206-362-7900, ext. 258
(Tony Angell, Chris Peterson)

Federal Energy Administration
Region X
1923 Federal Bldg.
915 2nd Ave., 98174
206-442-7260
(Jack Robertson, Lee Johnson,
Marie Davidson)

Washington State Energy Informa-
tion & Conservation Center
Institute for Environmental Studies
112 Sieg Hall, FR-40
University of Washington, 98195
206-543-7749
(Germaine Cummings)
Research and dissemination of
Pacific Northwest energy info.

Olympia

Community Services Admin.
Rm. 214
Gen. Admin. Bldg, 98504
206-753-4931
(Priscilla Cares, Jack Ragdale)
"How to Build a Solar Green-
house" videotape available,
winterization program.

Washington State Energy Office
1000 S. Cherry St.
Olympia, WA 98504
206-253-2417
(Keith Sherman, Carol Costello,
Bill Kingrey)
1/2" VTR w/brochure and plans of
"Matrix Solar Hot Air Collector"

Spokane

Northwest Regional Foundation
No. 507 Howard St., 99205
509-455-9255
(Bob Stilger, Nancy Bell Coe)
Publish *Futures Conditional* monthly.

Continued on page 16

Continued from page 15

Solar Hydronics Co.
1231 N. Washington, 99205
509-325-1613
(George Alexieve)
Solar-assisted home heating.

Solex, Inc.
P.O. Box 14616, 99214
509-838-2541, ext. 0204
(Charles Bartlett)
Solar home contractor and Solar
King collector distributor.

Washington State Energy Office
S. 157 Howard, No. 1, 99204
509-456-4295

Pullman

Energy Resource Alternatives II
SCORE
Rm. 105, Sloan Hall
Washington State University, 99163
(Joe Eschbach)
Student Competition on Relevant
Engineering (SCORE) focusing on
energy.

OREGON

Portland

Architects Northwest
2892 N.W. Upshur, 97210
503-221-1017
Design solar heating systems.

Bill Church, AIA
4004 N.W. Thurman St., 97210
503-222-3379
Energy conservation, solar home
heating and wind energy systems
architect.

Energy & Man's Environment
0224 S.W. Hamilton
Suite 301, 97221
(John Jones)
Energy-environment education
curriculum materials, teachers
workshops.

KASTEK Corp.
P.O. Box 8881, 97208
503-289-0538
(William C. Brown)
Solar collector manufacturer.

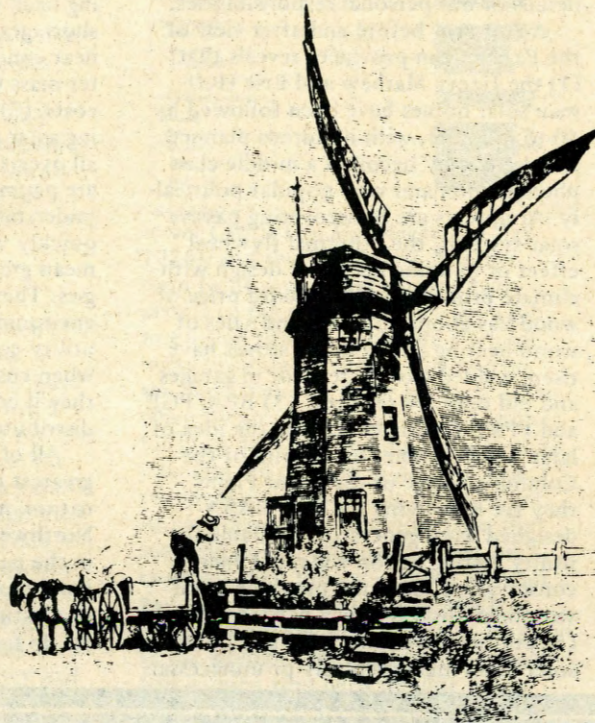
Long, Maxwell & Assoc.
11825 S.W. Greenburg Rd.
Tigard, 97223
503-639-3135
(Edward B. Long)
Solar heating/cooling consulting
engineers.

Northwest Public Power Association
1310 Main St.
P.O. Box 1307
Vancouver, WA 98660
503-226-6320 or 206-694-6553
(Tom Santee, Henry Curtis)
NWPPA Bulletin (bi-monthly)

Northwest Energy Policy Project
1096 Lloyd Bldg.
700 N.E. Multnomah St., 97232
503-234-9666
(Myron Katz)
2-year study of energy develop-
ments in Washington, Oregon and
Idaho.

Pacific Power & Light
920 S.W. 6th, 97204
503-243-4340
(Bill Goldbach, Reis Leming,
Peet Sööt)
Energy conservation, solar, wind
energy.

Portland General Electric
621 S.W. Alder, 97205
503-228-7181
(Doug Boleyn, Roy Josi, Neil
Woodley)
Energy conservation, solar home
heating, wind energy.



Portland Bureau of Planning
424 S.W. Main, 97204
503-248-4253
(Don Mazziotti)
Portland Energy Conservation
Project, including an energy infor-
mation retrieval system (report
available).

Skidmore, Owings & Merrill
900 S.W. 5th Ave., 97206
503-226-4586
(Robert Murray, Howard McKee)
Energy conservation, energy systems
engineering, and elec. utility con-
sulting.

Solar Dynamics Northwest
1980 S.W. Huntington, 97225
503-222-1384
(Bill Parrish, Joe Fedor, Temple
Larrabee, Rick Sievert)
Consult, design and build solar-
heated houses.

SUN Experimental Farms
835 Fleishauer Lane
McMinnville, OR 97128
503-472-7317
(Bill and Marsha Mackie)
Solar aquaculture greenhouse, solar
home design consulting.

Coos Bay

Henry Mathew
Box 763
Shingle House Slough Rd.
Coos Bay, OR 97420
Solar-heated home plans, \$10.

Ashland

Bear Creek Thunder
40 Granite St., No. 2
Ashland, OR 97520
503-482-2258
(Jeff Barnes, Howard Reichmuth)
Consultants on solar greenhouses,
solar homes, concentrating collector
systems (esp. parabolics).

LaGrande

Solar Hot Water Project
Eastern Oregon Community
Development Council
801 Adams Ave., 97850
503-963-3186
(Rich Huggins, Joe Garlitz, Dallas
Hoopes)
Designing, building and installing
6 systems with "do-it-yourself"
orientation. Manual available.

MONTANA

Helena

Alternative Energy Program
Dept. of Natural Resources
32 South Ewing, 59601
(Charles Greene)
\$700,000/yr. from state coal tax
now available for development and
demonstration of renewable energy
sources.

Montana Public Service Comm.
1227 11th Ave., 59601
406-449-3007, -3008
(William J. Opitz)
Utility regulatory agency.

BRITISH COLUMBIA

B.C. Research
3650 Westbrook Crescent
Vancouver, BC V6T 1W5
604-224-4331
(Graham Olive)
Tin, indium oxide thin films for
solar collector glazings.

Hofflar Industries
5511-128th St.
Surrey, BC V3W 4B5
604-596-2665
(Eric Hoffman)

Solar Applications & Research Ltd.
1729 Trafalgar St.
Vancouver, BC V6K 3R9
604-738-7974
(Chris Mattick)

Solar Energy Society of Canada
British Columbia Chapter
1271 Howe St.
Vancouver, BC V6Z 1R3
604-689-1841
(Terry Lyster)

COMMUNICATIONS

A Computer Next to Our Woodstove

Johnson-Lenz
695 Fifth St.
Lake Oswego, OR 97034

While I'm up here writing this, downstairs Peter Johnson-Lenz is arriving for a meeting of the APPLE planning committee (APPLE is "a people to people living exchange"—but that's listed elsewhere). Peter down there, and me up here with a Johnson-Lenz brochure, reading:

"What if neighborhoods, towns and cities could see graphically and over time where their tax monies go and how much comes back as which kinds of services? What if they could see the relationships between local, state and federal taxes and what they receive in return from their government?"

Then I suddenly realize that Peter and Trudy should meet Don Eichman, who put together a catalog of Multnomah County Public Services, an attempt at showing persons the relationship between taxes paid, problems addressed, solutions attempted.

And now they can meet each other.

Peter and Trudy are working with their neighborhood association in Lake Oswego in the art and science of working a small-scale computer in community organizing and public interest research support. Their first project, using computer space (time?) donated by the Oregon Museum of Science & Industry, was information gathered for the City of

Lake Oswego for citizen input to community design plans.

The neighbors are slow to warm up to the computer. What's it do? What about the conspiracy? Why use it? Privacy. Weird unfamiliar thing (like having someone handing you the wheel of a 747).

It's small. They brought their "box" over awhile back. Odd day that one. David Morris (with the Institute for Local Self Reliance) arrived, Jim Long showed up (who put together the Washington County Information Resources Directory—listed elsewhere—he too should get in touch with Don Eichman)—and Kerry Klockner, who is trying to get people interested in "Operation Grapevine."

Trudy and Peter explain their computer projects, obviously used to answering a certain range of questions, fears and doubts. It's just another tool, and yes, it will still rain.

Slowly, the program they designed to tally information for citizen input—similar to another program they developed for Ken Kesey's Bend in the River Council, state-wide town hall meeting—is evolving into a more open exchange of information among persons in the neighborhood, what we call loosely a skills and/or learning, sharing exchange.

Johnson-Lenz and RAIN would like to hear about similar projects (with or without use of computers). (SJ)

Northwest Alternative Ham Network
c/o Randy Brink
RFD 2, Box 301-B
Port Orchard, WA 98366

At the Leap Year Conference in February I had my first experience in ham radio communications. There's a strange style to the conversation. First they say things then you say things and (as with a telephone) in the meanwhile you look at the receiver. Randy and friends around the Northwest have regular conversations they invite others to participate in, where they trade information, talk about news, their equipment, weather, energy, agriculture, communications, and most anything. It's an exciting use of the medium. Randy is also working with slow scan video transmission and cheap teletype equipment. (SJ)

Center for the Study of the Future
4110 N.E. Alameda
Portland, OR 97212

This church-related group is coming up with unique ways of facilitating information exchange in churches, church-related groups.

They have recently begun using a homemade micro-computer to match needs and skills which they initiated by holding a craft show where people were asked to create their own displays around crafts and skills.

On a larger scale, a network of churches in Portland is using a computer to match job openings to those that need jobs. (SJ)

CASCADE

This regional communication and information exchange package produced by a good friend is such a nifty idea, but an idea whose existence is dependent on being invisible (so no address). Our friend has designed a folder in which he sends out every so often a packet of information. The enclosures are often other people's pamphlets, reprints, and a 1-2 page summary of valuable information gathered by "our friend." He mails the thing out to 10-15 people who he feels can further spread the news. The idea of a package (similar to *Futures Conditional*), and like an earlier attempt back east, which was called *Dumping Place*, allows for the individual style of other groups to remain integral. It is also an interesting scale, just sending documents around: a poor person's telefacsimile. (SJ)

Continued on page 19

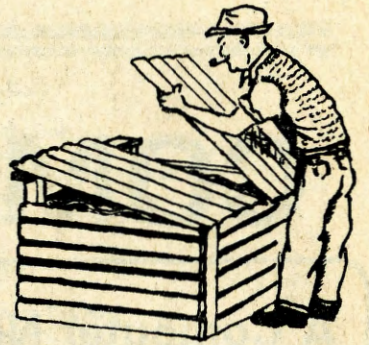
Comind Design
Bob Wallace
P.O. Box 5415
Seattle, WA 98105
206/524-6359

Lee visited with Bob and learned that the group in Seattle which has recently gotten together the NW Computer Club are also involved in a retail outlet and access center: The Retail Computer Store, 410 N.E. 72nd, Seattle, WA 98115; 206/524-4101. Also another of the same kind of place in Eugene: The Real Oregon Computer Co., 205 W. 10th, Eugene, OR.

The Pacific NW Computer Club, Pacific Science Center, 200 2nd Ave., N., Seattle, WA 98109.

Jaybird Information
Box 554
Republic, WA 99166

Jaybird Information Trading Cards (of the owner built keysort type) are situated in 40 (or more?) locations, mostly in the Northwest. Jaybird has taken on the task of staying on top of the agriculture/food cooperative network news. We have a deck, and have yet to fully implement it (sorry, Joe). But it's a model concept, and one that deserves support, placing remote rural folk in touch with a regional information base and creating instant "centers" of information (Remember McLuhan: everywhere is a center in the communications era—though I bet he wasn't thinking of recycled computer cards). (SJ)



Community Gardens

Marshall Landman
P.O. Box 1255
Eugene, OR 97401

Dear friends at RAIN:

I observe three basic necessities of life. The air we breathe, the food we eat, and our impressions. Of these, food is what I'm most involved with.

Through the Eugene Community Gardens and The Food Action Council of Eugene I hope those I touch will have a better, more fulfilled life. Without proper nutrition, it will be very difficult to accomplish the work needed to make this planet a just one.

The Eugene Community Gardens comprise about four acres within the limits of the City of Eugene, Oregon. Roughly 300 20x30 ft. gardens are available to those without land. Folks who are participating are helping themselves become more locally self-reliant. They're growing food free from the poisons so widely used by agri-business. They are making a political statement against big business and government, whether they realize it or not. They are taking on responsibility for their lives in the most basic way possible. It is good.

We in Oregon have had three community garden conferences in the past two years and have compiled a directory of those who are involved with community gardens throughout the state (see enclosed). I will be glad to share my experiences with others interested in starting a community garden in their community. Also, I would like to hear from others who have had community gardening experience.

One word of advice about *Community Garden News* out of Columbia, MD. I have sent away for copies of the news twice. The first time was last October ('75), and the second was in January '76. Both times I included the \$1.50 requested and as of yet still no "News."

Some other sources of community garden info:

Gardens for All, Inc.

P.O. Box 164
Charlotte, VT 05445

Gardens for All is sort of a clearing house for the nationwide community garden movement.

Bureau of Outdoor Recreation

Box 36062
450 Golden Gate Ave.
San Francisco, CA 94102

Has available a pamphlet entitled "Profiles of California Community Garden Projects."

Now, about the Food Action Council. We came together around Food Day '75 feeling a need to have a central focal point for our diverse interests in food. FACE is open to anyone interested in making the local food scene more harmonic with the global food needs. We attempt to bring farmers together with consumers. Bring low-technological food growing and preserving skills to city folks. Provide vegetarian diet information to those who will hear. Present public educational experiences to the community. Be a forum for folks to come together to discuss local, regional, national and global food and food-related issues. Success is hard to measure when dealing with personal human changes, yet we feel we've done a good job so far.

We now have completed our second Food Day, and although there was not a great quantity of people who attended,

the quality of the event was the highest we've had. Lots of workshops on such things as complimentary proteins, food combining, tofu making, raising poultry in an urban environment, nutritious snacks for young people, along with displays on local wild edibles, sprouting and live foods, beekeeping, and vegetarianism provided an educational experience most will not forget. We look toward the fall of the year for our second Harvest Festival. Last year we had over 5,000 people come to our Harvest Fair held in the main city park, Skinners Butte. Presented were displays on skills city folks could incorporate into their own lives. Things like canning with honey, food drying and preservation, raising bees and chickens in the city, heating with wood, etc.

In the future we hope to continue doing many of the same things we've done in the past plus gaining more access to local media to help spread the word. Many ideas are bubbling, and it remains to be seen where FACE will go from here. Any ideas? We work closely with The Center for Science in the Public Interest, 1785 Massachusetts Ave., N.W., Washington, DC 20036, sponsors of national Food Day.

I'm also involved with a new beekeepers cooperative in Eugene. We got together last fall and ever since we've been building our own hives and preparing for the upcoming spring swarm season. We're a non-profit educational and equipment sharing group helping newcomers to the apiary.

And last, but not least, our newest venture, the Cascadian Regional Library. Stemming out of a great need for coordinated information sharing both locally and regionally, the library will serve the needs of the alternative community as much as possible. More on this as developments occur.

Locally, I'm in touch with many diverse groups and individuals. I receive, monthly, all the neighborhood newsletters published in Eugene. Working in City Hall keeps me in touch with many governmental happenings. As a member of a local food co-op, I'm quite well informed about the local happenings in the alternative community. Get most of my information from talking to folks. Seems that's where the news is! Regionally and nationally I get a lot of helpful info from you folks at RAIN, the *Tilth* newsletter, *New Age Journal*, *East-West Journal*, *Communities*, *Organic Farming & Gardening*, & *Mother Earth News*. Probably the biggest source of input as to the latest happenings of the front lines I have is Brian Livingston.

Well, that's about all for now. I thank you all for the tremendous amount of energy you're putting out to make this sharing happen. The gods would be pleased.

Towards a more cooperative community in love and light.

In Seattle, contact:

P-Patch Program

Dept. of Human Resources, City of Seattle
313-1/2 1st Ave., S.
Seattle, WA 98104
206/625-4695
Edith Walden

Provides access to 15 urban acres for 1100 gardens, 400 sq. ft. or 200 sq. ft. and gardening info such as the *Community Garden Handbook*. (LJ)

FOOD AND NUTRITION

Big Zucchini Gardens
12860 136th Ave., N.E.
Kirkland, WA 98033
206/TA2-8561

They have rototilling services, fertilizer and insecticides for sale. Please call before dropping in.

Experiment Station Communications
Oregon Agricultural Experiment Station
Oregon State University
Corvallis, OR 97331
503/754-3615

You probably should check with the Extension agents in Multnomah and Washington counties for information on urban agriculture in your area. Some counties will soon have urban horticulturists at the Extension offices, and they will be valuable resource persons for their communities. I don't know whether the county offices in your area will have them, but I suspect they will. Again, check with the county offices first.

Also, there's a study underway at the North Willamette Experiment Station near Aurora (one of our branch stations) testing the value of sewage sludge as a fertilizer for Oregon soil. The work isn't finished yet, but if you want an update for RAIN, call Lloyd Martin, superintendent of the station, and he can fill you in. His phone number is 678-1264. (Linda McCormick)

Fed-Up Cooperative Wholesaler
304 E. 1st Ave.
Vancouver, BC, Canada
872-0712

Can give information on food co-ops throughout BC.

Ecumenical Metropolitan Ministry
P.O. Box 12272
Seattle, WA 98122

A hunger response program. They have a gleaning project for picking fruit for distribution to hungry people after the machines have gone through.

The Hunger Action Center
Olympia, WA 98505
206/866-6695

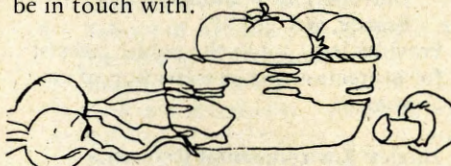
They have given away over \$50,000 in mini-grants to innovative projects dealing with hunger and world food problems. Six garden projects, six co-ops or buying clubs, five farmers' markets, two protein projects, two food-energy relationships, and two nutrition education projects, two information services, one apprenticeship program, one food organizing project and two canning programs. Whew!

Universalist Food & Famine Study Group
302 Conifer N.E.
Corvallis, OR 97330

They're working locally to encourage lower energy lifestyles and public awareness of world food production and problems. They have a monthly newsletter called *Options* (free?)

Northwest Organic Food Producers' Association
Rt. 2, Box 2152
Toppenish, WA 98948
509/865-5534

Membership is \$5/yr. and includes their newsletter. If you want to be a certified organic farmer, these are the people to be in touch with.



Oregon-Washington Farmer's Union
Willamette Bldg., Suite 35
215 Front St., N.E.
Salem, OR 97310

Presently has successfully gotten an initiative presented to limit corporate farming and size of farms in Oregon.

Tilth
P.O. Box 2382
Olympia, WA 98507

Our good friends at Tilth are continuing their hard work to network produce truckers, sellers, and experimenters. They're the ones to ask about farmers, markets, community gardens, agricultural research (biological pest control, slug eating, etc.), land trusts, agri-business reports, etc., etc.

Their most recent projects include a proposal for a N.W. Trade Network (write O.J. Loughheed for details) and

COMMUNITY

continued from page 17

Interstate Library Planning Group Directory

c/o Marion Otteraaen
Longview Public Library
1600 Louisiana
Longview, WA 98632
206/423-2340

A very unique attempt at breaking down the library resources of the 12 county area around Portland/Vancouver. It is a subject indexed guide to librarians who would be willing to share their avocational expertises. The subject range is intriguing, including: costume history, nutrition, open space schools, urban geography, videotapes, violin, energy, and over 100 other subjects. (SJ)

an experimental greenhouse/aquaculture project at their Pragtree Farm (see p. 17) in this issue). Mark Musick has been coordinating a course called Tools for Transition at the Pacific Science Center. Gigi Coe has been working with Wilson Clark on the relationship between land use and energy as part of a study for the Conservation Foundation. Becky Deryckx is working with the Evergreen Land Trust. Their monthly newsletter—still \$5/yr.—is the best bargain going. It's always chock full of good, new information. We read it avidly cover to cover each month.

They're also looking for one or two apprentices to work on the Pragtree Solar greenhouse/aquaculture experiment. Decision will be made by June 1. Write directly to Pragtree Farm, Rt. 2, Box 190-A, Arlington, WA 98223.

International Food Storage Assoc.
5806 114th Ave., N.E.
Kirkland, WA 98033
206/827-4378

Their goal is to warn everyone to store food and to supply the "how-to" they need. Current research covers proper utilization of stored items, alternate sources of food (single cell proteins and yeasts), new items for food storage, and bees. They're just about to publish a new paper on seed sprouting. Information requests come from as far away as South Africa. Please enclose SASE for requests.

Places to Buy Seeds
Abundant Life Seeds
P.O. Box 30018
Seattle, WA 98103

50¢ for their tree-shaped catalogue.

Nichol's Garden Nursery
1190 North Pacific Hwy.
Albany, OR 97321

(LdeM)

Cable TV Service in Oregon, '75-'76
Extension Communications
Ad S 422
Oregon State University
Corvallis, OR 97331

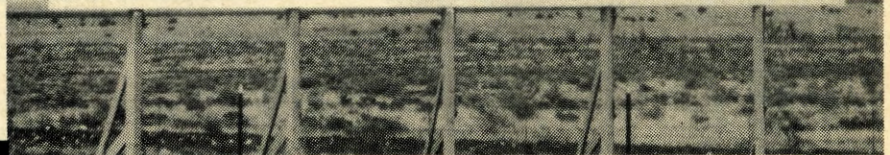
The Extension Service continues to be a primary facilitator for the growth and use of cable TV systems. This is a useful catalog, beginning with what the access to privately owned cable systems is now. It reveals that there is quite a bit of availability waiting for the right people. (SJ)

This section was drastically cut. We hope to continue in next issue, including community broadcasting, video work, etc. Tell us what you're doing.

Environmental Organizations

be glad tomorrow you bought land today...

GRAND CANYON SUBDIVISION



There are literally hundreds of environmental groups in this region, groups keyed to specific places or subjects, and the only existing catalog/directory is one published by the Environmental Protection Agency.

The groups listed below seem to us to be the best sources of information for finding out the existence of groups and/or activities (or lack of) in your area. We welcome suggestions for further resources.

WASHINGTON

Center of Environmental Understanding
P.O. Box 332
Spokane, WA 99210

**Environmental Defense Fund
Law School
University of Washington
Seattle, WA 98195**

Provides legal aid in the public interest for protection and preservation of environment.

Huxley Environmental Reference Bureau

Huxley College, WWSO
Bellingham, WA 98225
206/676-3974

We are a many-faceted organization, consisting of an environmental reference phone line for quick information on environmental resources, human resources, etc.

Northwest Fund for the Environment
119 S. Main St.
Seattle, WA 98104

Haven recently joined with the Washington Environmental Council in publishing a monthly newsletter about environmental problems in Washington, *Farthest Corner*.

SeaNet

2409 76th N.E.
Bellevue, WA 98004
206/324-5055

Are active again, and have recently sponsored Living Lightly, a conference on living well while using less energy.

ENVIRONMENTAL EDUCATION

We fairly often get requests for environmental education materials. We are familiar enough with the area to know that these people know more about it than we do.

Grand Teton Environmental Education Center

Teton Science School
Box 68
Kelly, WY 83011
Ted Major
307/733-4765

Interdisciplinary environmental education year-round at a former dude ranch.

Environmental Education Program
Old Capitol Bldg.
Olympia, WA 98504

Regional Study Center
College of Idaho
Caldwell, ID 83605

Environmental Studies Center
University of Oregon
Eugene, OR 97403

Metropolitan Environmental Education Council

c/o Bob Mann
Washington, County I.E.D.
172 S. First Ave.
Hillsboro, OR 97123

CISPUS Environmental Learning Center
Route 4
Randle, WA 98225

Center for Environmental Understanding
P.O. Box 332
Spokane, WA 99210

Institute for Environmental Studies
University of Washington
Seattle, WA 98195
206/543-1812

Ms. Mary Lewis
Environmental Ed. Specialist
Oregon Board of Education
942 Lancaster Dr., N.E.
Salem, OR 97310

John Gustafson
Land Conservation and Development Commission
1175 Court St., N.E.
Salem, OR 97310

For school participation in state land use planning input.

Environmental Education Association of Oregon
c/o Mike Vaughn, President
Jackson County I.E.D.
101 N. Grape St.
Medford, OR 97501

Jane Cease
Recycling Switchboard
Dept. of Environmental Quality
1234 S.W. Morrison
Portland, OR 97205

Linda Fink
Education Specialist
State Energy Office
528 Cottage St., N.W.
Salem, OR 97310

Friends of the Earth
Northwest Office
4512 University Way, N.E.
Seattle, WA 98105

Sierra Club, Pacific N.W. Chapter
4534-1/2 University Way, N.E.
Seattle, WA 98105

BRITISH COLUMBIA

Greater Victoria Environmental Council
Young Building
Camosun College
Victor, BC Canada

A couple of people visited us recently connected with the council in planning to begin publishing an environmental magazine for the Vancouver Island and Southern BC area.

Canadian Scientific Pollution and Environmental Control Society
2007 West 4th Ave.
Vancouver, BC, Canada

British Columbia Environmental Council
P.O. Box 301
Richmond, BC, Canada

OREGON

Audubon Society, Portland
2637 S.W. Water
Portland, OR 97201
Write for local offices in Oregon.

Oregon Student Public Interest Research Group
Rm. 400
115 S.W. 4th Ave.
Portland, OR 97204

Sierra Club, Columbia Group
2637 S.W. Water Ave.
Portland, OR 97201

Sierra Club, Eugene
P.O. Box 3643
Eugene, OR 97403

Sierra Club, Rogue Group
P.O. Box 819
Ashland, OR 97520

Oregon Wilderness Coalition
1312 Mill St., #1
Eugene, OR 97401
Primary source of information regarding preservation of wilderness areas.

Northwest Environmental Defense Center
10015 S.W. Terwilliger Blvd.
Portland, OR 97219
503/244-6161, ext. 545
Provides legal and scientific services in the public interest. Detailed docket of NEDC cases and recent newsletter available by contacting Suzanne Fennell.

Oregon Environmental Foundation
P.O. Box 42113
Portland, OR 97242
Non-profit, tax deductible public foundation with small monies available for environmental research and education.

Oregon Environmental Council
2637 S.W. Water
Portland, OR 97201
503/222-1963
The oldest and largest Oregon environmental litigation/protection group.

Natural Resources Law Institute
10015 S.W. Terwilliger Blvd.
Portland, OR 97219
Oregon's Environment: A Citizen's Guide to Environmental Analysis and Planning Procedures, from:
Dept. of Urban Planning
School of Architecture & Allied Arts
University of Oregon
Eugene, OR 97403

A good introduction to environmental problems and legal routes to solutions.
\$2.00.

To Live with the Earth
Oregon Environmental Foundation
P.O. Box 42113
Portland, OR 97242
\$1.00.

IDAHO

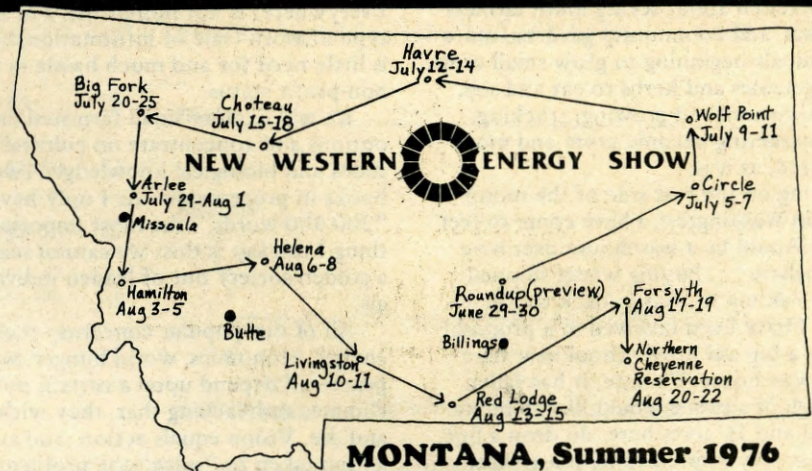
Idaho Environmental Council
P.O. Box 1708
Idaho Falls, ID 83407
208/522-9448

MONTANA

Alternative Energy Resources Organization
435 Stapleton Bldg.
Billings, MT 59101

Environmental Information Center
P.O. Box 12
Helena, MT 59601

Northern Plains Resource Council
419 Stapleton Bldg.
Billings, MT 59101



MONTANA, Summer 1976

AERO, the Alternative Energy Resources Organization and the Eureka Railroad Corporation are jointly sponsoring a travelling alternative energy exhibition this summer in the state of Montana. Plans call for a display of operational, renewable energy hardware, including wind generators, solar panels, solar ovens, methane digesters and possibly a waterwheel. The display will also include an information booth for distributing books and periodicals on alternative energy sources. Also planned are theatrical sketches dealing with energy use and conservation and even a little country and folk music.

The "New Western Energy Show," as it has been named, will tour Montana for eight weeks this July and August to pre-arranged sites in a dozen or so towns. Each stop will last two to four days. Trained technicians will travel with the show maintaining the equipment and

explaining its use. If you haven't heard of them before, AERO is an extremely active organization which, in addition to sponsoring workshops and special demonstrations like New Western Energy Show, publishes an excellent newsletter, *Sun Times*. AERO was formed in 1974 as a non-profit citizens educational group devoted to promoting renewable energy sources. They have already sponsored a two-day wind energy seminar featuring Jack Park of Helion, Hans Meyer of Windworks, and Forrest Stoddard of U. Mass; and solar workshops with Ken Smith and Lee Johnson of ECOTOPE GROUP.

The *Sun Times* newsletter (\$10.00 for 12 issues) is a valuable source of information on alternative energy often overlooked by other publications. We highly recommend it. Their address: AERO, 435 Stapleton Bldg., Billings, MT 59101, phone 406/ 259-1958.

JUNGLE DRUMS

Where is Truth?

It's good to get your note, and to think about maybe lining up to do something helpful for the contemplated issue on what's happening where (I) live. . . .

WHAT'S HAPPENING WHERE I LIVE
"Where is Truth?" I ask the rain
tapping its questionnaire over the bill.
It comes back hollow, and I ask again,
"Is there a house with an open door
where Truth used to live without an
address?"

Rain taps once more, then still.

These questions reach to touch my face
every day in this wilderness.
(Wm. Stafford)

Ellensburg

I am excited about seeing more farmers markets, and community gardens, more individuals beginning to grow small crops of vegetables and herbs to eat and sell. I hope to see food growing, trucking, and marketing become more and more localized, as it is.

Being on the east side of the mountains in Washington, I have come to feel there should be a warehouse over here somewhere . . . buying wheat shipped from Yakima to Seattle back to Ellensburg. I have been involved in a proposal to use a big old brick school near here for a warehouse. To date, it has fallen through; if anyone would like to buy a school and 10 acres here, do drop a line.

I am very impressed with a system Don Newey wrote to me about, which he's using in California. They are using money from food buying clubs to finance growers, thus releasing growers from the current economic system. Also, they have a community.

Becoming independent of the current economic/banking system by starting our own seems to be a very important need for us now.

I myself am working to start a community center in Ellensburg. I formed a non-profit corporation to be the legal umbrella to work under and am planning to buy a two-story house on 2 lots with root cellars, workshop and garage. Suggested uses include: communal meetings, alternatives library, greenhouse, community lumber pile, cold storage of roots for co-op, etc., etc. I would like to have the property held in trust, as by the Evergreen Land Trust, someday.

Book Review: Rave review of *The Findhorn Garden*. Findhorn is a very

amazing place. This book tells a lot about how Findhorn came to be, and the main people involved in creating it. It has a lot of information on the Nature Spirits-Devas and Elementals, and how man can learn to cooperate with them to transform the earth into a place of harmony and beauty. For anyone suspecting or believing in nature spirits, this book is amazing, inspiring, wonderful. (Joyce Schowalter, Box 172, Ellensburg, WA 98926)

D. House
c/o VAHID
Rt. 2, Box 259
Aurora, OR 97002

I now have 56 acres near Donald, Oregon, and am in the process of setting up something similar to Earthmind, though incorporating the many many lessons learned. Example: this one (At Home Everywhere) is not non-profit. For this type of work (sale of information) there is little need for and much hassle in a non-profit status.

We will explore small farmsted energy options and concentrate on cultural attitudes and biological knowledge. Two books in process now. As I only have "200-300 words," the most important thing I can say is this: we cannot make a golden society out of leaden individuals.

All of our popular concerns—ecology, energy, economics, world hunger, world peace—all depend upon a certain moral climate, and, lacking that, they wither and die. Vision equals action, and any action taken to "solve" the problems is bound to merely bandage symptoms unless it is directed toward the moral, ethical and spiritual development of society—our view of the nature of man and the universe, and the purpose of both.

Many will regard this as abstract, but it is our *inner* life which directs, conditions and forms our outer life—at least our response to the conditions which present themselves.

There is much more that could be said here, but space is limited. The above realization does not *solve* our problems, it merely directs our attention to the area where our energy must be expended if we are to cure the disease and not merely shuffle the symptoms from place to place.

I feel the most effective agency I have ever found for such deep and lasting transformation is the Baha'i Faith, and I will be happy to write to anyone who wants to know about this newest

in the ages-old line of world religions. I realize that the idea of religion seems, to many people, irrelevant, but the principles by which the Baha'is have lived for over 100 years are the very ones only now *beginning* to be recognized by the world as the benchmarks of progressive thought; the equality of men and women, the unity and oneness of all people, the essential harmony of true science and religion shorn of dogma, are only a few examples.

Again, though your space is limited, I do hope that *this* letter is not too long to find print. In His service, (D. House)

Thermography & Solar Cells

Institute for Local Self-Reliance
1717 18th St., N.W.
Washington, DC 20009

Dear Rain,

Here is some more information your readers might find useful:

On *Thermography*—AGA in Secaucus, New Jersey, came out with a machine first, but it cost around \$35-45,000. Inframetrics, at 225 Crescent St., Waltham, Mass. 02154 (617/891-6784) came out last year with one that is semi-portable (requires a shopping cart to be pulled around). It is in the 200 series and costs \$22-27,000 and operates on 110 volts. A prototype 510 series will cost \$20,000, is less versatile, fully portable, and will be available this summer. The AGA machine uses the 3-5 micron spectral range, whereas the Inframetric uses the 8-14 micron range and therefore permits the use of smaller optics. Radiance peaks at 10 microns, so this works even better than the AGA machine according to the Inframetrics people. Send for their literature on the 200 series and 510 series. Rental of 510 was \$500 per two weeks with a half-day spent at the factory to learn its use. Larger 200 series costs \$1700 per month to rent. It picks up a fraction of a degree centigrade temperature differential.

On *solar cells*—The book you reviewed in last month's RAIN concerning solar cells (*Sunlight to Electricity*) is, I believe, a relatively poor choice for readers. It is not all that good on the technology, is very expensive, and speaks not at all to the political implications of solar cells. If people are interested in learning how the cells work, the best way is to get a booklet called *Energy from the Sun*, by D.M. Chapin,



published by Bell Telephone Labs, New York, 1962 (reprint 1970). I don't know the price because it usually comes as part of a kit which is used to make solar cells. The book moves step by step in making the cells. But one doesn't need to get the kit to learn how these semi-conductor devices work. The book shouldn't cost more than \$1-2. For those interested in moving one step up, they should read the chapter on photovoltaics (pp. 259-283) in M. Ali Kettani, *Direct Energy Conversion*, Addison Wesley Publishing Company, Reading, MA, 1970, \$16.95. That, in fact, is a good all around book in any case. For those interested more in the economics, and the politics, of solar

cells, my own *Dawning of Solar Cells*, published by the Institute for Local Self-Reliance, address above, costs \$2.

The solar cell field is just beginning to take off, and people who are interested in near future technology would do well to begin reading in this field. (David Morris)

Notes from Jerry Parker

A new group of county commissioners has been appointed for Clallam County who will hopefully be of a mindset to do some good things for the Olympic Peninsula area. Jerry is hoping that the train will be reactivated to save the wear and tear of tourists' cars—also more publicity on the joys of biking around the

Peninsula.

There is a very interesting dig at Cape Alava of an old Indian village hit by a mudslide more than 500 years ago and thus remarkably preserved. They're in the process of training Indians to manage the museum there.

Now is a good time to watch for grey whales migrating up the coast. But Jerry's class at Huxley College isn't content to stay on shore. They're going out in sailboats to look for Okra dolphins (otherwise known as killer whales).

We just missed the Ski to the Sea race held in early May from the top of Mt. Baker—first on skis, then kayaks, then bicycles and on fast feet the final stretch!

Other Publications Available:

- "Coming Around," an 11-page Appropriate Technology bibliography by Lane deMoll \$1
- Environmental Design Primer*, a 208-page book by Tom Bender \$5
- "Sharing Smaller Pies," a 38-page monograph by Tom Bender \$1.50
- "Living Lightly," a 38-page monograph by Tom Bender \$1.50
- RAIN back issues (circle those desired)
Vol. I, Nos. 7, 8, 9; Vol. II, Nos. 1, 2, 4, 5, 9. \$1 ea.
- RAIN special poster issue—April 1976 (Vol. II, No. 6). \$1

All other back issues are out of print.

- Solar Heating bibliography by Lee Johnson SASE
- Natural Toiletry bibliography by Lee Johnson SASE
- Food Drying bibliography by Lee Johnson SASE

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A Habit At Teatime



The legendary Bridge of the Gods near Hood River before the big flood. Drawing by Jimmie James.

There are signs, plain to see, in many parts of the Northwest, pointing to a great and catastrophic flood in the not-far-distant past. The rushing waters have worn deep channels down to bedrock in the country southwest from Spokane. These districts are called the Channeled Scablands, and the channels themselves are called Scabland Channels—a rare case of logical, consistent nomenclature.

The Grand Coulee itself is one of these channels, the greatest of all, in fact, and for a few hours the ledge across the Coulee was host to the planet's mightiest waterfall at the place now known as Dry Falls. Other easily-recognized scabland channels are just south from Arlington, at Shutler's Flat, and Sullivan Gulch in Portland itself. The turbulent flood waters boiled and tumbled into all parts of the lowland Northwest, entering the Tualatin Valley, for example, by way of the scabland channels at Tonquin (as well as the gaps at Oswego and south of Gaston).

There is a question of grammar here: ought we to say that this flood "did" this or that, or that it "does"? English provides us with a special tense, the "habitual" or "on-going present:" "I am skiing" is the "momentary present," but "I ski a lot" is the "on-going present" of the same verb. These floods recur at intervals of many thousands of years, so we ought to use the "on-going present" in referring to them. They are not past, they are past-and-future, or "habitual."

Every twenty thousand years or so, it seems, the various cycles of the earth's perihelion, the precession of the equinoxes, and the moon's perigee, not to mention several others still less well known, conspire together, as all cycles must, to bring about an extreme of weather conditions for North America. Most of Canada goes under ice, the Rockies spawn great glaciers which fill the intervalles between the ranges. The vast trench which we know as the Kootenay and Flathead Valleys becomes, for a long time, a sea of solid ice, and then, as the climate moderates, an ice-locked lake the size of Lake Erie. For many centuries an ice dam, remnant of the glaciers, keeps the lake a prisoner. Then, as the cycles creep, a certain August afternoon swells to a torrid crescendo, the ice dam breaks, and Lake Kootenay spills out over Idaho, Washington and Oregon.

What heights of civilization the pre-Indian inhabitants of the Columbia may have reached, what towers they may have erected, what circuses watched, we shall never know, for all were swept away (are swept away, will be swept away) between teatime and dusk of that awful day. (Bob Benson)



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