

Portland State University

PDXScholar

RAIN: Journal of Appropriate Technology

RAIN

1-1-1975

Rain Monthly Newsletter of ECO NET

ECO-NET

Follow this and additional works at: https://pdxscholar.library.pdx.edu/rain_japt

Let us know how access to this document benefits you.

Recommended Citation

ECO-NET, "Rain Monthly Newsletter of ECO NET" (1975). *RAIN: Journal of Appropriate Technology*. 43.
https://pdxscholar.library.pdx.edu/rain_japt/43

This Book is brought to you for free and open access. It has been accepted for inclusion in RAIN: Journal of Appropriate Technology by an authorized administrator of PDXScholar. Please contact us if we can make this document more accessible: pdxscholar@pdx.edu.

RAIN

MONTHLY NEWSLETTER OF ECO NET

VOLUME I, NUMBER 4

JANUARY 1975



RAIN is a publication of ECO-NET, an environmental education network funded by the Hill Foundation and an Environmental Education Grant. The office is at Environmental Education Center, Portland State University, P.O. Box 751, Portland, Or., 97207. (503) 229-4692

Usual deadline for material: 18th of each month.

ECO-NET/Energy Center/OMSI
(503) 224-9500

Charles Auch	248-5929
Linda Craig	248-5941
Dean Ivy	248-5929
Marcia Lynch	248-5920
Mary Lawrence	248-5940
Bob Phillips	248-5941
Rusty Whitney	248-5903

RAIN/EEC
(503) 229-4692, 229-4683

Anita Helle
Lee Johnson
Steve Johnson (editor)
Mary Wells (layout, design)

EEC
(503) 229-4682

Randi Krogstad
Don Stotler
Laura Williamson

Cover Photo: Ancil Nance
Typesetting: Irish Setter

THANKS TO:	Catherine Johnson
Randy Chakarian	Jim Morrison
Carol Costello	Julie Seltz
Jack Eyerly	Randy Skoog
George Harvey	Bob Wallace

RAIN

RAIN is a monthly bulletin board. As stuff comes our way by phone, mail, feet, hands and mouth we make entries, abstracts, paragraphs. We emphasize environmental/energy related and communications kinds of information; and we are interested in the evolutionary possibilities of inter-disciplinary connections.

Our geographic emphasis is the Pacific Northwest, though our prejudice will be Oregon, and more specifically Portland. You can correct our bias by your feedback, sending us information on projects, exciting books, pieces, newsletters, ideas, photos, corrections.

Positions and Situations is a place for you to locate others, more or less without our editorial intervention. If you are thinking about thinking about doing something here's the place to find next steps and connections.

We have spent nearly as much time constructing our mailing list, as compiling the newsletter. It is presently composed of environmental educators, people doing energy related research, other newsletters, other centers, community organizers, governmental and private environmentally related groups and agencies.

If you have other persons you think should receive *RAIN*, drop us a note.

Why you may not be entered: We don't know about you, you are lost in brown boxes and manila envelopes, or we ran out of time and space.

You will notice initials following some entries: The person submitting the entry is found in the list of contributors.

In addition to *RAIN*, during the year we expect to publish: 1) *City Survival*, a short directory (or series) to information resources in Portland, 2) *A Directory of Environmental Information Resources in the Pacific Northwest*, 3) *How To Sheets*, guides to getting things done, like how to find your way through governmental bureaucracies, 4) *An Access Guide*, to materials at EEC/Energy Center.

Please mention *RAIN* when asking for information from individuals and groups, as it then encourages those people to keep us posted.

(S.J.)



1975 RAIN Catalog

We need an index and update to *RAIN*, so we decided we will cut up old *RAIN*s. We will send out entries, addresses, etc., and ask people to update/correct the information, and to tell us what key words they want.

We have long thought we would like to know our readers, so we will print up a reader enquiry card, and hope you will fill it out.

Then we've got other compilations: the "Rough Drafts," the Energy Center Bibliographies, an Urban Agriculture Directory, a N.W. Media Guide—so of course, why not do it all under one cover.

It can also be an update to Chinook Centrex, but more regional and national. The basic component will be a compilation of *RAIN* entries, indexed. Beyond that, it's up to you and us.

Send us information about yourselves, or others, or needs, or books. People sending in information we use will receive a free copy (unless it's just information about their own project).

The catalog could provide more in-depth information, lots of How to Survive, and . . .

We expect to send out cut-up *RAIN*s by February; the catalog will be published like in April. But we are waiting for your feedback.

AGRICULTURE · FOOD

American Association of Nurserymen Inc.

230 Southern Bldg.
15th and H Streets, N.W.
Washington, D.C. 20005

General education publications as well as detailed nursery landscape information. Energy conservation through planing shade. Nice free brochure on energy conservation called "It Depends on You." Ask for publications list.

Emerald Dairy Goat Association

Findrack Station
Rt. 1, Box 501
High Pass Road
Junction City, Ore. 97448

Newsletter, with articles, commercial ads and classifieds from dairy goat raisers in Oregon. \$3/yr. subscription.

Council for Agriculture, Science & Technology

Astronomy Department
Iowa State University
Ames, Iowa 50010
515-294-2036

Many published reports, including "Energy and Agriculture," submitted to Congress Nov. 26, 1973; also a valuable "Directory of Environmental Scientists in Agriculture," Nov. 1972 (\$3). Also publish a newsletter reporting on developments in technology, science and agriculture.

Corporate Secrecy: Agribusiness U.S. Government Printing Office Washington, D.C. 20402 Stock No. 5270-0178, \$2.25 (or GPO bookstore)

Hearings before the Subcommittee on Monopoly of the Select Committee on Small Business, U.S. Senate. A 500-page report. Testimony, newspaper clippings, studies, articles.

John H. Cejka, the farmer-scientist interviewed in *Acres U.S.A.* last month, is telling farmers to till the soil this fall. Come spring there may not be time. Reason—heavy rains, very wet weeks in many areas. Cejka's firm, Cyclomatic Engineering, P. O. Box 382, Glenview, Illinois 60025, pinpoints super-wet areas.

Organic Waste. A report by the Bureau of Mines in 1970 stated "A significant part of the energy demand of the nation can be obtained by converting nearly every kind of organic solid waste to a low-sulfur oil." A refuse plant at Rosenheim, Germany serves 14 towns. Paris turns 1.6 million tons of refuse annually into steam to produce power. Other European cities are doing the same. Fertilizer from waste would be better. Energy rates better than landfills

ACRES U.S.A.

Index to Groups and Individuals Interested in Food Production and Farming (Wa., Or., Ida., B. Columbia) OPEN, N.W. Network Box 692 Port Townsend, Wn. 98368

Fifty cents and a large self-stamped envelope. Over 100 producers and interested exchangers. Along with the as yet unfinished Agricultural Conference Director, makes a large information base for alternative forms of agriculture in the Northwest. (See also Jaybird, under Agriculture)

Jaybird Information

P.O. Box 554
Republic, Wn. 99166

A listing of people involved in marketing sessions, Agricultural Conference. Over 200, includes some people not at conference. Co-ops, organic farmers, warehouses, trucks. Send donation AND be two-way about it.

Homesteading Class

Antioch College West
Rt. 1, Box 28A
Winters, Ca. 95694

80-acre organic farm; students farm some hours, other times take classes in alternative energy, soil analysis, pest management.

Michael Dillion of Athens, Georgia, has a 27-foot tower which holds 230 tomato plants, which he figures provides the equivalent of 175 feet of conventional row space. A 10-foot tower produced 1230 pounds of tomatoes in 1971. The tower is filled with compost, etc. and has a water/nutrient system in the core. (C.C.)

Acres, U.S.A.

—a voice for Eco-Agriculture
10227 East 61st St.
Raytown, Missouri 64133

\$5.50 a year. Research and news, some politics, even pyramid power. Lots of how-to things.

Pacific Northwest Seed Bank/Network c/o Baruch, Regional Coordinator 1155 N.E. 7th Corvallis, Or. 97330

"We are concerned that the social-economic structure of the United States and the world is becoming increasingly unstable, creating potential problems in obtaining food seeds from outside our region."

Banking, trading, accessing information about growth, use and storage of seeds. Factors form on request—for exchange purposes. Wanting feedback about needs/structure of the bank.



Old Fashioned Recipe Book

Carla Emery
Kendrick, Idaho 83537

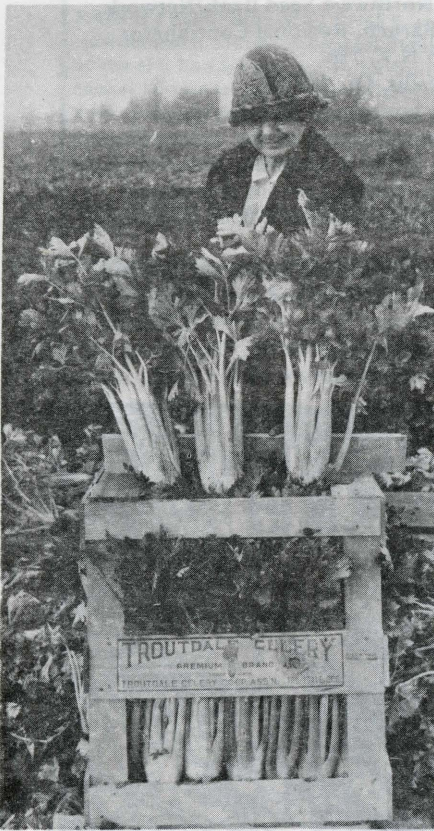
Living room mimeographer. 1974. \$9.95 plus 42¢ postage. 640 variously colored mimeographed sheets, 3-hole punched, ready for a notebook. As well as good recipes, there's information about root cellars, drying, home remedies, dictionary of antique cookbook words, butchering, crackers, soapmaking, blankets, even biography and pictures of Carla and her family. Good index.



Forestry as Agriculture Source/Bibliography

Oregon has several tax options which lower running yearly taxes in favor of a higher harvest tax. We just got "reforestation" or "Fee (yearly) and Yield (harvest)" classification, which means we pay 10 cents/acre—for the trees that are on it, no matter how much or little they're worth. When we cut them we will have to pay 12½% to the State. The land itself is also subject to tax, but apparently it is exempt from school taxes.

continued next page



Oregon Historical Society

General Readings

Eric Sloane. *Reverence for Wood*. Ballantine Books. (Also: *American Barns*, Museum of Early American Tools, . . .)

Rutherford and Platt. *The Great American Forest*.

Yearbooks of Agriculture, esp. 1948—Grass (see pp. 594ff., "The Use of Logged-Off Land"); and 1957—Soil.

Brooklyn Botanic Garden Handbooks Log Scaling & Timber Cruising, J.R. Dilworth, OSU Bookstores, Corvallis, Or.

Northwest

Publications, Pacific Northwest Forest & Range Experiment Station, P.O. Box 3141, Portland, 97208.

Franklin and Dyrness. *Natural Vegetation of Oregon & Washington*.

Randall & Keniston. *Manual of Oregon Trees & Shrubs*. OSU Bookstores.

Woodland Handbook for the Pacific Northwest. Prepared by the Oregon Woodland Publications Council and the Washington Woodland Council, published by the Cooperative Extension Service, Oregon State University, Corvallis.

Where to Get

Pacific Bamboo Gardens, 4754 Vista Lane, San Diego, California 92116

Forestation Notes. Frank TerBush, editor. U.S. Forest Service, Division of State & Private Forestry, Box 3623, Portland 97208. One issue has listings of nurseries which supply bare-root seedlings for forestry plantings.

USDA's Agricultural Stabilization & Conservation Service has reforestation and other land-building programs. They will pay 75% of cost of reforestation at the rates of \$85/M seedlings planted, \$35/acre for site preparation.

F.W. Schumacher, Sandwich, Mass. Excellent seed company—grow your own woodlot of useful trees (See Eric Sloane, *A Reverence for Wood*, et al., and Rutherford Platt, *The Great American Forest*.)

Department of Forestry, State of Oregon, 2600 State Street, Salem 97310. Their Elkton nursery's prices this year: Douglas Fir—\$34/M, Poplar—\$75/M.

Randy Chakarian

See also: Community, Computer, Education, Media.

ARCHITECTURE

Solar Heated Buildings: A Brief Survey

Dr. William A. Shurcliff

Solar Energy Digest

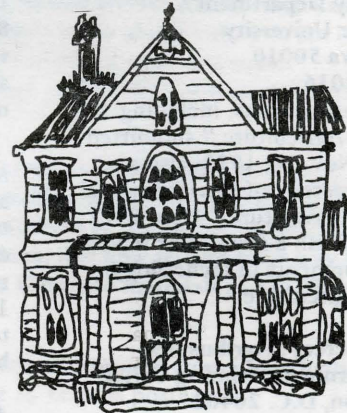
P.O. Box 17776

San Diego, Ca. 92117

Fifth edition. Data on 68 houses, schools and commercial buildings. (*High Country News*)

His (Baldasare Forestiere) main tools were hand tools, a pick, a shovel and a wheelbarrow; a horse and a small scraper were used to move large rocks. He dug over 90 rooms, passages and courts, each with an open hole to the surface for light and water, and each with a fruit tree immediately below. He dug most of the rooms ten feet below the surface, a small lower level 23 feet below, and another few rooms 35 feet below the surface.

His big dream was a restaurant . . . (*Harpers Weekly*)



NAHB Research Foundation, Inc.

P.O. Box 1627

Rockville, Maryland 20850

301-762-4200

The National Association of home builders. They publish a very good manual, the "Insulation Manual"—homes, apartments. \$4, with locations, amounts, techniques, design and operating cost data for 561 communities. Also from them: "Manual of Lumber and Plywood Saving Techniques," for residential light frame construction. Various options in allowable support load factors. \$3.50.

Soil Cement: Its Use in Buildings

Available from:

United Nations, Sales Section

New York, N.Y. 10017

Prepared by the Inter-American Housing and Planning Centre. National University of Columbia, Bogotá. (1964, \$1.50). Information regarding types of soils used, lengthy instructional data, models, results of experiments.



Oregon Historical Society

Portland Community Design Center
723 S.E. Grand Ave.
Portland, Or. 97214
503-232-4221

Community oriented resource center providing free services in architecture, planning and community development to neighborhood groups and low income individuals who otherwise could not afford such services. Having worked with various community projects including Eliot Neighborhood Model Block, Sunnyside Neighborhood, Children's playground design, N. Portland Neighborhood, Community Center remodeling

See also: Energy, Weather.

AUDIO VISUAL

Oregon Filmmakers:

November 1974 issue of *Film Library News*. 6-page rundown of some films about Oregon. Also audio tapes, available by loan from:

Oregon Division of Continuing Education
1635 S.W. Park Ave.
P.O. Box 1491
Portland, Or. 97207

Midwest Video News

WIDL Video
5875 N. Lincoln
Chicago, Ill. 60659

Especially for midwest, but also national source material too. \$4/yr. Write for sample or exchange.

Challenge for Change Newsletter

National Film Board of Canada
P.O. Box 6100
Montreal 101, Quebec

Reports on activities; special issues, good access. Social Animation through media.

Videomaker, Appalachia's Living Newsletter

Broadside TV
204 E. Watauga
Johnson City, Tenn. 37601

A catalogue of videotapes for purchase or exchange. Tapes on "The Wobblies," "Jesse Stuart," on living and learning, "The Union Struggle," "Black Midwife and Nurse"—Aunt Minnie Conley of Carter County is 96 years old and talks of her service to the mountain community delivering babies and offering other health services, "Moonshine Making."

Broadside TV also offers a supplemental tape list for use in school curriculums—a series on environmental education, know your city, and general interest. . . . (B.P. C.A.)

Speakers' Bureau

Portland Community College
12000 S.W. 49th Ave.
Portland, Or. 97219

A brochure available describing the range of topics/speakers. PCC faculty, available for speaking engagements, no charge unless long distance.

Community Video Report

c/o Community Video Center
P.O. Box 21068
Washington, D.C. 20009

\$4/4 issues if community, \$12 if institution. (Randy Skoog)

Bulletin for Film and Video Information

Anthology Film Archives
80 Wooster St.
New York, N.Y. 10012

Callie Angell and Hollis Melton, eds. \$2/yr., bi-monthly. A what's happening for film and video people. Traveling artists' itineraries, grant information, reprints of articles from other publications, show show places, catalogues (B.P., C.A.)

COMMUNITY

National Conference on Urban Environment

Contact:
Mr. Wayne Schimpff
Open Lands Project
53 W. Jackson Blvd.
Chicago, Ill. 60604

To be held in March. Forums being held prior to gain national input. For information on the national conference, Mr. Albert Hopkins, National Conference on the Urban Environment, 1028 Connecticut Ave., N.W., #407, Washington, D.C. 20036.

Community Garden Fact Sheet

Organic Garden and Farming
Emmaus, Pa. 18049

Also Dec. 1974 article on a dozen or so community gardens around the country. Free.

See also: Audio-visual, Futures, Media.

COMPUTERS

The Tom Shift Terminal or A Convivial Cybernetic Device

Write to:
LGC Engineering
1807 Delaware St.
Berkeley, Ca. 94703

For information (a 50-page paper) on modification of Don Lancaster's TV Typewriter.

New Rural Society. A telecommunications system developed under a HUD grant to Dr. Peter Goldmark, has been installed for permanent use by the Union Trust Company of Stamford and New Haven, Ct.

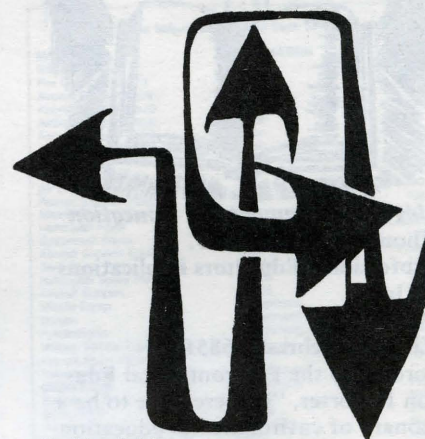
Also along the same lines is "Rural Development Through Electronic Technology," available from:

APL Lab
Agricultural and Rural Sociology Dept.
Texas A&M University
College Station, Tx. 77843

Comindex

P.O. Box 5415
Seattle, Wn. 98105

A global directory of groups and people interested in the use of computers as community communications tool. Books, periodicals, etc., being prepared. Subscription \$2; for directory and 3 updates. Contact for details or to be included, etc. (Bob Wallace)



graphic: Victoria Johnson

META Information Applications, Inc.

P.O. Box 943
Wellfleet, Ma. 02667
617-349-3121

The use of computers in agriculture and medicine. Two specific projects now: Cattle breeding programs and techniques for production and utilization of fertilizers. Wishing to hear from others with information, ideas, similar projects. Contact Pamela Hardt and Robert Shipiro.

EDUCATION

Environmental Education

Science Education News
American Assn. for Advancement of Science
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005

November 1974 issue reports on several environmental education councils and centers, including the EEC.

continued next page

New Roles for Youth in the School and Community. \$4.25, 1974.

Citation Press

New York, N.Y. (\$4.25, 1974)

A descriptive almost-catalog of innovative education projects. Includes short directory of ones still existing. The National Commission on Resources for Youth, the compilers, are a resource for special education projects, especially ones with community involvement curriculum/work.

Nat'l. Commission on Resources
for Youth

36 W. 44th St.

New York, N.Y. 10036

**Ecology, Environment and Education**

R. Thomas Tanner, \$1.75.

Professional Educators Publications
Inc.

Box 80728

Lincoln, Nebraska 68501

According to the Environmental Education Reporter, "If there were to be a dictionary of environmental education in America, this book would definitely be a front runner."

R. Thomas Tanner

Cispus Environmental Learning
Center

Randle, Wn. 98377

Float Town

c/o Bjorn Lunde

13007 8th, N.E.

Seattle, Wn. 98125

206-363-3285

They have salvaged a barge and are creating a living learning center to eventually travel around the Puget Sound area.

Interested/teaching energy systems, biodegradable waste, food growing, etc.

See also: Agriculture, Information, Networks.

The Port of Tacoma will be shipping 2.5 million gallons of manure each month to the Arab countries Bahrain and Dubai, for use in a billion dollar desert reclamation project. (*Ore. State Energy Conservation Newsletter*)

ENERGY**Energy Profile of the State of Washington.** July 1973. 76 pp. \$2.50.

Institute for Environmental Studies

112 Seig Hall FR-40

University of Washington

Seattle, Wn. 98195

(C.C.)

Strategies for Energy Conservation. \$5

Living Systems

Rt. 1, Box 170

Winters, Ca. 95694

Think you might be interested in this newly-released report, prepared by a multi-disciplinary team for the City of Davis, Ca. Building performance, proposed changes in the building code, neighborhood planning and energy efficiency, and operation of a building for maximum solar heating/cooling. (*David Bainbridge, Davis, Ca.*)

The Energy Crisis Survival Kit. Susan Knox. \$1.65. Manor Books.

There are many sources for some of the general information provided in this book—various common sense ways to conserve and live good in inflation/depression, but it's done pretty well here and has lots of good energy-use facts, some contact and follow-up, and at \$1.65.

Energy, Natural Life Styles Library

Box 268

Tillson, N.Y. 12486

An 80-page book/magazine. \$3.95. A usual definition of energy (wood, solar, small scale); but also an unusual definition: the collection includes a nice pumpkin food page, and another on Jerusalem artichokes; small book reviews, resource access. Price seems a bit much.

Indiana Solar Heating Law

Effective since February of 1974, a law in Indiana (Act No. 223) provides for up to a \$2,000 deduction in the assessed value of real estate to compensate home owners for the value of solar heating and cooling systems.

Pacific Power and Light Company

Customer and Technical Services

920 S.W. 6th Ave.

Portland, Or. 97204

Free booklets from Colonel Watts His Name on energy conservation. Also \$1 general manuals on house and mobile home insulation.

A study done for the Energy Policy

Project by Bruce Hannon of the University of Illinois shows the total amount of energy used by each major industry, together with its employment intensity. It indicates that in their production processes, most of the high energy-intensive industries such as cement, aluminum, chemicals, and steel are the ones that employ relatively few people. But most of the industries that had the highest number of jobs per dollar of investment, such as hospitals, hotels, education, dairy farm products, barber shops, were the lowest users of energy in their operations.

This and other studies done by the Energy Policy Project staff are likely to show that only a handful of industries use more than half of the energy used by all industries, yet employ less than 10 percent of the people working in the United States. Further, these industries produce only about 5 percent of the total GNP.

Solar Energy Society

U.S. Section

Smithsonian Radiation Biology Lab

12441 Parklawn Drive

Rockville, Maryland 20852

Research and dissemination (*Solar**Energy Journal*). \$20 regular, \$10

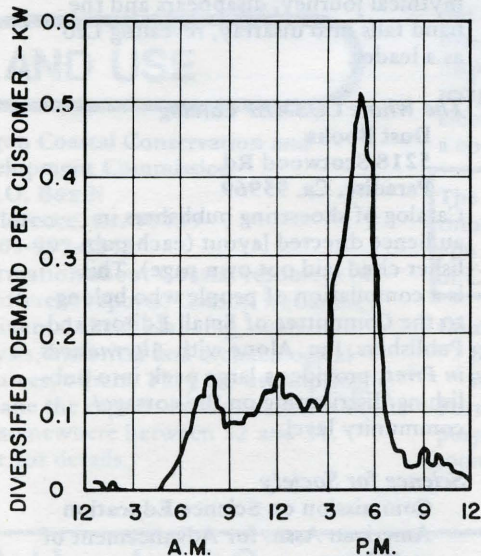
student membership.

(C.C.)



For a more extensive reading list, send 10¢ or stamp to:

Eugene Future Power Committee
 P.O. Box 5274
 Eugene, Or. 97405
 (information provided by Randy Skoog, Coalition for a Safe Environment, 3123 Eastlake Ave., E., Seattle, Wn. 98102.)



A daily load curve for an electric range. (Source: Federal Power Commission)

On Energy—On Site Magazine. \$6.95
 60 Greene Street
 New York, N.Y. 10012

A collection of photos and articles on energy, energy and civilization, René Dubois, Architectural Prospects, Richard Stein, Autorama, Chip Lord & Ant Farm Farm, People in Glass Houses, Witold Rybeyneki, Washington Monument as a Sundial, Yuri Schwabler. Selection follows:

As we mine ever poorer grades of ore approaching the crustal abundance of these elements, we must provide an energy subsidy from fossil fuels that geologic processes provided for us in the past. It requires energy to go from a high entropy, dispersed state (crustal abundance) to a low entropy, concentrated state (ore). To that extent the human substitution of an energy subsidy for one of nature's is a key to rising inflation. (James Mellett)

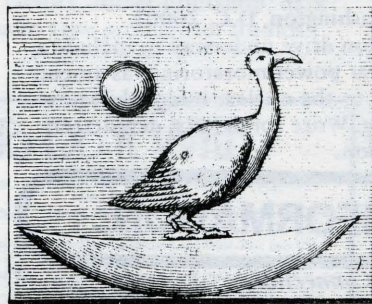
If we focus our attention on solar energy, plant growth and manpower, we shall find that all our basic energy needs are available in abundance, not only kinetic energy for current supplies, but potential energy stored in living cells and organs, in plant fibers, wood, fossil fuels, bodily reserves of fat and sugar, muscular structures, and finally etheralized in subjective superorganic form in the tissues of the human brain. (Lewis Mumford)

The unit of measure now being used

by some sophisticated whole system thinkers is sometimes called the "eco-dollar." The eco-dollar can be used to measure the true cost of electricity purchased from Con Ed by including the health and cleaning costs of pollution in the calculated sum. The eco-dollar can be used to measure the loss of a species of wild bird in terms of the resultant simplification of the overall system when we lose that bird's concentration of information in its gene pool. And the eco-dollar can be used to measure the social worth of a novel in terms of the new information or new ordering of information it brings into the social system.

See also: Games, Groups, Media, Networks, Recycling, Whole Systems.

FUTURES



Earthrise
 P.O. Box 120
 Annex Station
 Providence, R.I. 02901
 401-274-0011

Futures research, education and design. Occasional publications. Futures Lab—an ongoing study, with credit at the University Without Walls; global futures game. An attractive newsletter; reviewing futures study around the country. Student \$3, Individual \$5, Institution \$10, Memberships \$6, \$10, and \$20.

Goals for Seattle
 City of Seattle
 Seattle Municipal Bldg.
 Seattle, Wn. 98104
 400-page comprehensive plan for Seattle.

GAMES

Simulation Learning Institute
 P.O. Box 637
 Huntington, New York 11743
 They offer a nuclear energy game (we haven't seen it). Write for details, other projects/games.

Oak Ridge Associated Universities
 Citizens Workshops
 P.O. Box 117
 Oak Ridge, Tennessee 37830

The Energy-Environment Simulator, a computer-like device that visited the EEC in December, is a clever device by which one plays a game of survival, based on various energy and environment resources and decisions to use/not use.

The Oak Ridge Associated Universities is a non-profit educational and research corporation sponsored by 42 southern colleges and universities. It conducts many research, educational and public information programs for the Atomic Energy Commission (now part of The Energy Research and Development Administration), and other governmental and private agencies.

GOVERNMENT

U.S. Arms Shipments, Week of Sept. 30-Oct. 4, 1974		
MATERIAL	DESTINATION	COST
Rifles (22,540)	Taiwan	\$ 3,414,810
Fire Control Systems	Japan	703,019
Aircraft Support Equip.	Japan	217,632
Aircraft Support Equip.	Japan	231,764
Aircraft Support Equip.	Japan	110,124
Aircraft Support Equip.	Japan	150,000
Aircraft Support Equip.	Japan	400,578
Fire Distribution Support	Japan	1,044,635
Radar	Japan	796,620
Air Data Computer Testers	Japan	280,750
Rocket Support Equip.	Japan	758,400
Missile Support Equip.	Luxembourg	9,675,000
Helicopter Parts	Spain	600,000
Spacecraft Equip.	Great Britain	177,000
Aircraft Support Equip.	Great Britain	1,000,000
Tank Spare Parts	Greece	446,002
Helicopter Spare Parts	France	500,000
Aircraft Support	France	500,000
Missile Equip.	W. Germany	168,493
Bombs	W. Germany	342,608
Pyrotechnics	W. Germany	66,960
Military Vehicle Equip.	Italy	1,663,152
Aircraft Spare Parts	Italy	100,000
Transceivers	Great Britain	111,933
Missile Equip.	Netherlands	113,000
Spacecraft Equip.	France	106,485
Ammunition	France	332,667
Target Aircraft	Great Britain	263,552
Communications Equip.	Spain	185,000
Aircraft Spare Parts	W. Germany	3,437,338
Aircraft Spare Parts	W. Germany	212,349
Aircraft Spare Parts	W. Germany	1,800,000
Aircraft Spare Parts	W. Germany	330,000
Helicopter Spare Parts	W. Germany	2,950,036
Photo Interpretation Equip.	W. Germany	1,194,620
FSL Receiving Systems	W. Germany	1,000,000
Aircraft Spare Parts	W. Germany	303,923
Aircraft Spare Parts	W. Germany	2,000,000
Navigation Systems	W. Germany	464,500
Speech Scramblers	Colombia	1,963
Ships Navigation	Venezuela	141,761
Ships Support	Venezuela	258,450
Aircraft Spare Parts	Israel	1,000,000
Helicopter Spare Parts	Israel	247,811
Weapons Delivery Systems	Israel	450,000
Searchlights	Israel	455,760
Weapons Parts	Israel	132,992
Military Vehicle Equip	Israel	140,000
Fire Control Systems	Iran	158,203
Missiles and Support	Iran	122,801,423
Protective Personnel Equip.	India	252,527
Tanks and Military Vehicles Sp. Pts.	Pakistan	3,000,000
Weapons Spare Parts	Pakistan	2,000,000
Tear Gas Grenades	Pakistan	371,687
Gas Masks	Pakistan	1,500
Navigation Systems	Pakistan	266,250
Military Electronic Equip.	Pakistan	122,899
Weapons Spares	Pakistan	1,500,000
		Total \$169,398,176

Legislative Action Center
 601 W. Burnside
 Portland, Or. 97209
 223-7133

Providing information about the state legislature through resource-phone, newsletter, meetings. Non-profit group. Staffed by Vista, student interns and volunteers from the community.

See also: Agriculture, Groups, Information Networks.

GROUPS/ASSNS

National Council for Public Assessment of Technology

1714 Massachusetts Ave., N.W.
Washington, D.C. 20036

Started by Byron Kennard, who also helped develop the Public Interest Economics Center—same address. Providing a forum for public participation in governmental discussions about technological growth

Uni-Versing Center

1520 S.E. 37th
Portland, Or. 97214
Michael SunU, director

On the moment positive feedback from the group for helpful thoughts. Ongoing brainstorming, reporting and recording on eco-issues and new education experiences. We explore how much energy is gained by making certain changes in design and function in a system of society. Reprints and condensations and original copies are part of handouts and free lending library of info on energy, environment, education, psychology, spirit, media and communication networks, body healing. Massage and yoga lessons. Questions, relevant info and donations wanted. (*Lili Everbee, Universing Center*)

Northwest Regional Foundation

P.O. Box 5296
Spokane, Wn. 92205

Robert Stilger, director of program development, Expo '74; Robert Theobald (with probability of "Futures Conditional" moving to Spokane); Edward Lindaman (pres. Whitworth College); Mr. Bob Bailly, and Mrs. Lorna Ream, incorporators.

Formative stages. Hoping to be involved in citizen participation through bi-centennial and the U.N. Habitat conference (June 1975, Vancouver, B.C.). Write for more details on the foundation's goals.



Forest Park Committee of Fifty
Garnet E. Cannon, Chairman
4470 S.W. Greenleaf Drive
Portland, Or.
227-2069

Annual meeting held, with presentation of plan for management of Portland's 6,000-acre wilderness park.

University of Idaho

College of Law
Moscow, Idaho 83843
c/o David Risley & Ellen Spano

Volunteer basis. Legal research for environmental issues.

Washington Environmental Council

107 S. Main
Seattle, Wn. 98104
623-1483

State-wide legislative action group. Newsletter. Write for details.

Task Force Against Nuclear Pollution

153 E St., S.E.
Washington, D.C. 20003

Petition drive underway to include a nuclear power moratorium as amendment to the nuclear budget bill next spring. Write for details, newsletter, petition.

INFORMATION

The Connection

P.O. Box 224
Ojai, Ca. 93023

A catalog of hundreds of items, survival oriented. Available for subscribers at special discount prices. Prices average, some above and some below others I've seen. Impressive range of stuff. (Catalog itself, available in bookstores, is \$4.) They also publish the *New Journal* (\$6/yr.); and provide services connections. Write for details.

Bibliography of Data Describing Social, Economic and Environmental Conditions of the Spokane Metropolitan Area

Produced by the Spokane Regional Planning Conference, transportation study division, City of Spokane. Lists publications of Wash. State Dept. of Ecology, urban planning reports, geology, water, air, pollution reports, census. Mostly Spokane Basin interest.

Environmental Problem Solving—a Process Manual

Union of Young Environmentalists
University of Wisconsin—Green Bay
Green Bay, Wis. 54302

A 64-page nicely done booklet providing elementary information on areas such as research, grants, clarification skills, use of flow charts, graphics, matrices. Developed out of a workshop summer of 1974. (no price on our copy)

The Servant as Leader

Center for Applied Studies
17 Dunster Street
Cambridge, Ma. 12138

Single copies \$12.50. Three other titles in series. The idea comes from Herman Hesse's *Journey to the East*, where Leo, the servant to a band of men on a mythical journey, disappears and the band falls into disarray, revealing Leo as a leader.

The Whole COSMEP Catalog

Dust Books
5218 Scotwood Rd.
Paradise, Ca. 95969

Catalog of shoestring publishers in audience directed layout (each publisher cited laid out own page). This is a compilation of people who belong to the Committee of Small Editors and Publishers, Inc. Alone with *Alternatives in Print*, provides a large peek into publishing/distributing on the cottage/community level.

Science for Society

Commission on Science Education
American Assn. for Advancement of Science
1776 Massachusetts Ave., N.W.
Washington, D.C. 20036

An extensive (110 pp.) bibliography, for secondary and college students and teachers, and lay groups. Includes newspapers, magazine references; very few references earlier than 1971. (no price)



City of Portland, Information

1220 S.W. 5th Ave.
Portland, Or. 97204
503-248-4583

New copies of City Services (breakdown by problem area) partially reproduced in *RAIN* No. 2, is available again. Also *City Government, How It Works*, a brief description; a useful departmental breakdown; a summary of budget pamphlets available.

The Lives of a Cell. Lewis Thomas. Viking Press.

Lewis Thomas is director of the Memorial Sloan-Kettering Cancer Center, where unusual nutritional research takes place, involving the use of Laetrile (vitamin B-17). The book is about exchanging information as the goal of life.

Recycling Information Office
1234 S.W. Morrison
Portland, Or. 97205
229-5119

A large new poster (23" by 23") available for 25¢. For organizations and schools to post.

LAND USE

Oregon Coastal Conservation and Development Commission

P.O. Box N
Florence, Or. 97439
503-997-8248

Information about Coastal resources in 14 different reports. Coastal wetlands, continental shelf, planning, economic analysis, historical and archaeological resources, others. They are attempting to make the reports available. Prices not set—somewhere between \$2 and \$4. Write for details.

MEDIA

Ruralite
P.O. Box 1731
Portland, Or. 97207

This 40-page newsprint magazine goes out for \$1.32 a year to members of many rural power companies. There's inspirational and heart-warming stories, recipes, good classified ads, some soft electrical sell. \$2.00 for outsiders. 25¢ a copy.

The **C.U.E. Media Guide** will be continued, but we were short on space. If you desire an entire guide, write to us or C.U.E.

Community Communications Center
Rt. 1, Box 778
Winlock, Wn. 98596

Formative stages. Proposing a multi-purpose facility, offset printshop, dark room, audio tape production studios . . .

Get Involved: Some Groups To Do It With

Across the country, a great number of organizations are involved in various aspects of the land reform movement. Herewith a partial list. Get in touch with a group near you and pitch in!

Agribusiness Accountability Project, 1000 Wisconsin Ave., N.W., Washington, DC 20067
Alianza Federal de Pueblos Libres, M10 3rd, NW, Albuquerque, N.Mex. 87101
Americans for Indian Opportunity, 1816 Jefferson Place, N.W., Washington, D.C. 20036
Appalachian Research and Defense Fund, 116-B Kanawha Blvd. E., Charleston, W.Va., 25301
Basin Electric Power Co-op, Bismarck, ND 58501
Black Economic Research Center, 112 W. 120th St., New York, NY 10027
Black Land Services, Penn Center, Beaufort, S. C. 29902
Black Mesa Defense Fund, 770 Old Pecos Trail, Santa Fe, N. Mex. 87501
Center for Community Change, 1000 Wisconsin Ave., N.W., Washington, DC 20007
Center for Community Economic Development, 1878 Massachusetts Ave., Cambridge, Mass. 02140
Center for New Corporate Priorities, 1516 Westwood Blvd., Los Angeles CA 90024
Center for Rural Affairs, P.O. Box 405, Walthill, Nebraska 68067
Center for the Biology of Natural Systems, Washington University, St. Louis MO 63130
Central Clearing House, 338 E. De Vargas, Santa Fe, N.Mex. 87501
Colorado Project, 1232 Delaware, Denver, Colo. 80204
Committee to Save North Dakota, 801 2nd Ave., S.E., Jamestown, N.Dak., 58401
Community Services, Inc., Box 243, Yellow Springs, Ohio 45387
Conservation Foundation, 1717 Massachusetts Ave., NW, Washington, DC 20036
Concerned Citizens United, 208 W. Bertrand, St. Marys, Kansas 66536
Consumer Federation of America, 1012 14th St., N.W., Washington, D.C. 20005
Cooperative League of the U.S.A., 59 E. Van Buren, Chicago, Ill. 60605
Cut Cane Associates, P.O. Box 98, Mineral Bluff, Ga., 30559
Delta Ministry, P.O. Box 3634, Jackson, Miss. 39207
Emergency Land Fund, 799 Fair St., SW, Atlanta, Ga., 30314
Environmental Action, 1346 Connecticut Ave., NW, Washington, DC 20036
Environmental Defense Fund, 645 Madison Ave., New York, NY 10022

Environmental Policy Center, 324 C Street, SE, Washington, DC 20003
Evergreen Land Trust Ass'n., P.O. Box 303, Clear Lake, Washington 98235
Federation of Southern Cooperatives, P.O. Box 95, Eps, Ala. 35460
Foundation for Community Development, 604 W. Chapel Hill St., Durham, NC 27702
Friends of the Earth, 529 Commercial St., San Francisco, Calif. 94111
Gulfcoast Pulpwood Association, Box 53, Eastabuchie, Miss. 39436
Henry George School, 833 Market St., San Francisco, Calif. 94103
Highlander Research and Education Center, Rt. 3, Box 245 A, New Market, Tenn. 57820
Institute for Development of Indian Law, 927 15th St., N.W., Washington, D.C. 20005
Institute for Liberty and Community, Box 94, Lyndonville, Vermont 05851
Institute for the Study of Non-Violence, Box 1001, Palo Alto, Calif. 92302
International Independence Institute, West Road, Box 183, Ashby, Mass. 01431
Iowa Student Public Interest Research Group, 305 S. Wilmoth, Ames, Iowa 50010
Kansas Farm Project, P.O. Box 3527, Lawrence, Kansas 66044
Land for People, 4696 N. Millbrook, Fresno, California 93726
Migrant Legal Action, 1820 Massachusetts Ave., N.W., Washington, DC 20036
Minnesota Public Interest Research Group, 265 1 N. Colfax, Minneapolis, Minn. 55403
Mississippi Action for Community Education, Box 588, Greenville, Miss. 38701
Montana Farmers Union, Box 2447, Great Falls, Mont. 59403
Movement for Economic Justice, 1609 Connecticut Ave., N.W., Washington, DC 20009
National Catholic Rural Life Conference, 3801 Grand Ave., Des Moines, Iowa 50312
National Coalition for Land Reform, 345 Franklin St., San Francisco, Calif. 94102
National Consumers Congress, 631 E. Polo Dr., St. Louis, Mo. 63100
National Farmers Organization, Corning, Ia. 50841
National Farmers Union, Box 2251, Denver, Colo., 80231
National Indian Youth Council, 201 Hermosa N.E., Albuquerque, N. Mex. 97108
National Sharecroppers Fund, 112 E. 19th St., New York, NY 10002
Native American Rights Fund, 1506 Broadway, Boulder, Colo. 80302
Nature Conservancy, 1800 N. Kent St., Arlington, Va. 22209
New Alchemy Institute, P.O. Box 432, Woods Hole, Mass. 02543

North Dakota Farmers Union, Box 651, Jamestown, N.Dak. 58401
North West Information Network, 608 19th Ave. E., Seattle, Wash. 98112
Northern California Land Trust, P.O. Box 156, Berkeley, Calif. 94701
Northern Cheyenne Land Owners Association, P.O. Box 113, Lame Deer, Mont. 59101
Northern Environmental Council, Box 89, Ashland, Wis. 54806
Northern Plains Resource Council, 437 Stapleton Bldg., Billings, Mont. 59101
Northern Rockies Action Group, 9 Placer St., Helena, Mont. 59601
Open Space Institute, 145 E. 52nd St., New York, NY 10022
Peacemaker Land Trust, 4818 Florence Ave., Philadelphia, Pa. 19143
Penn Community Services, P.O. Box 126, Frogtown, S. C. 29920
People's Appalachian Research Collective, 321 Ridgewood Ave., Morgantown, W.Va. 26505
Return Surplus Land to Indians, 1701 Massachusetts Ave., N.W., Washington, DC 20036
Rocky Mountain Farmers Union, Box 628, Denver, Colo. 80201
Rural Farmers Co-op, Forest Home, Ala. 36030
Rural Housing Alliance, 1356 Connecticut Ave., N.W., Washington, DC 20036
Rural Resources Institute, 120 S. Izard, Little Rock, Ark.
Sam Ely Land Trust, P.O. Box 116, Brunswick, Maine 04011
Save America's Vital Energy, Inc. (SAVE), 702 W. Main St., Belle Plaine, Minnesota 56011
Save Our Cumberland Mountains, Petros, Tenn. 37845
Sierra Club, 220 Eush St., San Francisco, Calif. 94104
Small Towns Institute, P.O. Box 517, Ellensburg, Washington 98926
Southern Cooperative Development Fund, Box 3005, Lafayette, La. 70601
Southern Regional Council, 52 Fairlie St., Atlanta, Ga. 30303
Southern Rural Action, 220 Sunset Ave., Atlanta, Ga. 30314
Tax Reform Research Group, 733 15th St., N.W. Washington, DC 20005
United Family Farmers, Box 39A, Carpenter, South Dakota 57322
United Farm Workers, P.O. Box 62, Keene, Calif., 93531
United Services Citizens Council, Alpena, S. Dakota 57312

from: People and Land

Tsá Aszì

Ramah Navajo High School
Box 356
Ramah, New Mexico 87321

Quarterly publication \$6/yr. First issue: the yucca, sheep shearing, traditional navajo wedding, poems, drawings, clans, silver-smithing. 72 pp.

High Country News

Box K (c-4)
Lander, Wyo. 82520

The environmental bi-weekly of the Rockies. In-depth feature articles on energy development (especially strip mining) and alternatives, land use planning, public lands management, predator control, natural history. \$10/yr.

See also: Audio-visual.

NETWORKS

"Watergate is a gnat compared to the Bell System"—Southwestern Bell of Texas Vice President, T.O. Gravitt in a suicide note, found after his death by carbon monoxide poisoning. (*Daily Olympian*)

The Knowledge and Skills Exchange
303 Jefferson Bldg.

Iowa City, Iowa 52242
319-353-3610

People learning, teaching, sharing skills ranging from accounting to flying and zen. Newsletter for 9 months (*Free Lemonade*) \$1. (See RAIN No. 1 for learning exchange directory.)

OMSI Communication Resource Center
4015 S.W. Canyon Rd.

Portland, Or. 97221
503-248-5940

For mathematics and science educators primarily, and subscription services. Forwarding announcements, locating experts, assisting research, suggesting learning materials, convening people.

Freestyle

420 17th St. East
Seattle, Wn. 98105

Xerox newsclipping and pasteup potpourri; though primarily the age of media; an anthology of blocks of words.

Library Networks 74-75

Knowledge Industry Publications, Inc
Tiffany Towers

P.O. Box 429
White Plains, N.Y. 10602

\$24.50. Recent information on special library services developed, such as OHIO computerized library service and others. They also publish *Advanced Technology Libraries*, \$36/yr.

continued next page

The Workbook

Southwest Research and Information
Center
P.O. Box 4524
Albuquerque, New Mexico 87106
505-842-6537

A catalog format index to tools for learning and social change and organization. First issue has many new information resources and many pretty well known. All explained in good detail. Agriculture, health care, penology, transportation, energy, education. Monthly \$7/yr., students; \$10 individual; \$20 institutions. Sample copy on request.

Alternative Technology Information Center

Rm. 423 UMC
University of Colorado
Boulder, Co. 80302
443-2211, ext. 6854

Preparation of information packages, research and technical assistance, seminars, public awareness programs in wind and solar power, greenhouses, hydroponics, aerobic and anaerobic waste management, integrated life support systems. Write for details.

See also: Agriculture.

OUTDOOR ED

Friends of Tryon Creek State Park
P.O. Box 493
Lake Oswego, Or. 97034

Completion of nature study center due the first of the year. More trails, horses, bicycle and pedestrian. Write to help, get newsletter, become member, etc.

Replacement of dog sleds with snowmobiles and the use of hunting rifles may have contributed substantially to the partial hearing loss of 85% of the adult Eskimo population in the Baffin zone of northern Canada. (*Canada Journal of Otolaryngology*, Vol. 3, No. 2, 1974)

RECYCLING

The Ore Plan
Rich Duncan
Systems Science
Portland State U.
Portland, Or. 97207

Revised edition, December 1974, of report on this labor-intensive, neighborhood oriented recycling plan that is utilized by Sunshine Recycling in Portland.

POSITIONS-SITUATIONS**Lime Saddle**

A very interesting sounding proposal dated March 30, 1974, for an alternative education network. Any one know how I can reach them? Steve Johnson, c/o EEC/RAIN.

The Environmental Education Reporters Inc. (The *EE Reporter*) is seeking more input about local conferences, etc. 1621 Connecticut Ave., N.W., Washington, D.C. 20009.

Evel Knievel

According to the October edition of *Western Aluminum News*, nearly 100,000 all-aluminum cans were littered at the site of Knievel's attempted jump over Snake River Canyon. The Twin Falls, Idaho, YMCA has new tumbling and exercise equipment thanks to the \$380 they received for 2,550 pounds of cans collected by volunteers. (The energy required to produce 100,000 aluminum cans is about 75,000 kilowatts—100 households for a month). (*Vern Riffer, Earthwatch Oregon*)

Man on bicycle ranks first in efficiency among traveling animals and machines in terms of energy consumed in moving a certain distance as a function of body weight. The rate of energy consumption for a bicyclist (about .15 calories per kilometer) is approximately a fifth of that for an unaided walking man (about .75 calories per gram per kilometer). Also more efficient than salmon or dogs. (*from Bicycle Technology*, S.S. Wilson, *Scientific American*, March 1973)

SOCIAL SERVICES**Source**

P.O. Box 21066
Washington, D.C. 20009

Starting with a communications catalog in 1971, then a catalog on communities/housing, now No. 3, "Organizing for Health Care," 250 pp. of national groups, projects, resources. The only successful national People's Yellow Pages. Always out of date, but even the description of activities is worth the time/money.

Source No. 1: Communications.
Swallow Press, 1971. 120 pp. \$1.75.

Source No. 2: Communities/Housing.
Swallow Press, 1972. 255 pp. \$2.95.

Source No. 3: Organizing for Health Care. Beacon Press, 1974. 250 pp. \$5.95.

See also: Audio-visual, Energy.

TRANSPORTATION**Bikeway Planning and Design, a primer.**

A 9-page brochure, describing alternative costs, accessories, general safety, aesthetics, design. Interesting bibliography. \$1 from:

David Bainbridge
57 Slatters Court
Davis, Ca. 95616

Rolls Royce is planning to introduce a new \$100,000 model in 1975. Their sales have gone up recently. Of an estimated 70,000 Rolls Royces produced since 1904, 40,000 are still running.



Oregon Historical Society

Neighborhood Transportation System (NTS)

Operating in Marin County (San Rafael, Ca.), funded by the County Transit District at \$15,000. It is a car-pooling based on hitchhiking and use of identification cards and coupons. For full report, write to:

Kenneth J. Schmier
2033 Haste St.
Berkeley, Ca. 94704
415-845-7363

How to Convert Your Auto to Propane.
Jerry Friedberg

Aerakis Volkswagen
P.O. Box 531
Point Arena, Ca. 95468

A 15-page booklet. Easy to read instructions. I don't know about supplies of propane. Kits also available. (no price)

The Pegasus Unit. Niels Askov, Mark L. Papworth. \$6.95. 133 pp.
 Pegasus Publishers, Inc.
 P.O. Box 121
 Olympia, Wn. 98507

Update of technology developed during World War II utilizing wood, peat and coal for gasoline. Set of engineering drawings also available at \$22.50. Revised edition soon to be published.

The cost of the Trans-Alaska Pipeline has increased sixfold since 1969. In 1969 the project was estimated to cost \$900 million and was to be completed in 1972. Today the price tag is \$5.98 billion with a completion date of 1977. (*High Country News*)

See also: Information.

WEATHER

Direct Solar Radiation on Various Slopes for 30 to 60 degrees north latitude.

John Buffo, Leo J. Fritschien, James L. Murphy
 Pacific NW Forest & Range Exper. Station
 U.S. Dept. of Agriculture
 809 NE 6th
 Portland, Or. 97232
 503-234-3361

Tables of daily values of direct solar radiation for selected slopes, in 15 degree gradients, and isograms of hourly values of direct solar radiation in 10 degree gradients. (no price)



Oregon Historical Society

Washington Climate—for King, Kitsap, Mason and Pierce Counties.

College of Agriculture
 Washington State University
 Pullman, Washington 99163

Fifteen pages of general description of Washington weather factors. Fifty plus pages of tables, including average monthly precipitation, select locations, surface wind "roses", evapotranspiration, solar radiation, moisture content . . . (B.W.)

Dam across the Bering Straits

The loudest advocate is Dr. Clyde L. Cowan, Catholic University, Washington, D.C. (co-discoverer of the subatomic particle, the neutrino). Careful study has convinced him that such a dam, by stopping the icy arctic ocean currents that sweep down America's west coast would drastically alter our climate. (*Skeptical*, July 1974)

Direct Solar Radiation on Various Slopes for 45 and 47.5 degrees north latitude.

John Buffo and Leo J. Fritschien
 University of Washington
 Seattle, Wn. 98195

Only a preliminary report. For comment only, not ordering.

Arctic Environmental Research Laboratory

College, Alaska 99701

An associate laboratory of the National Environmental Research Center, 200 S.W. 35th St., Corvallis, Or. 97330. They investigate the unique problems of perma frost lands, and other extreme cold conditions. Reports and newsletter available.

WHOLE SYSTEMS

Mankind at the Turning Point: the 2nd Report to the Club of Rome. \$12.95

E.P. Dutton
 201 Park Ave., S.
 New York, N.Y. 10003

Mihajlo Mesarovic and Eduard Pestel.

See also: Groups.

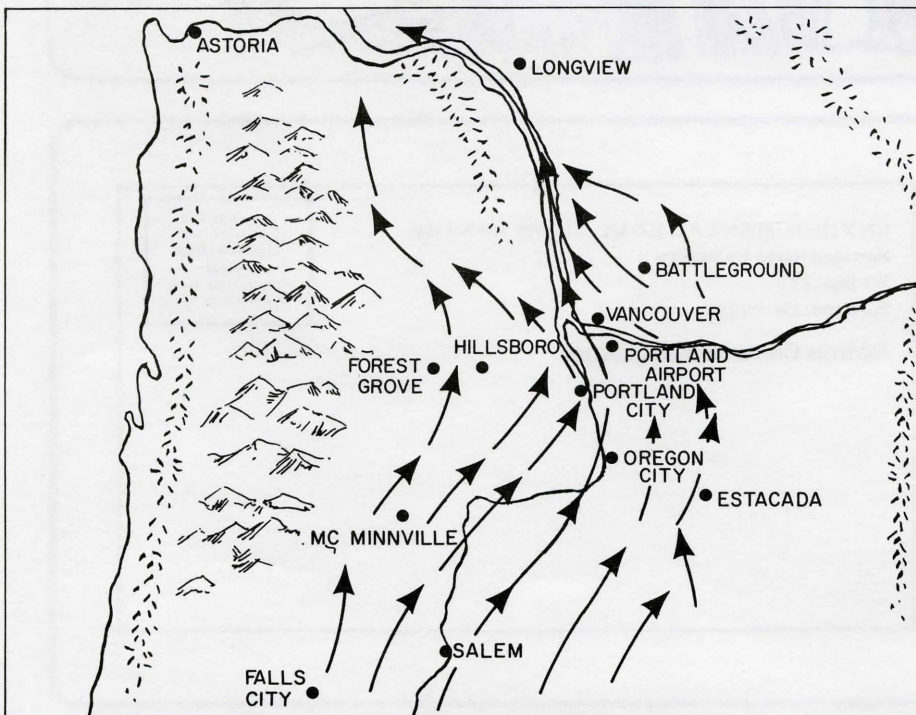
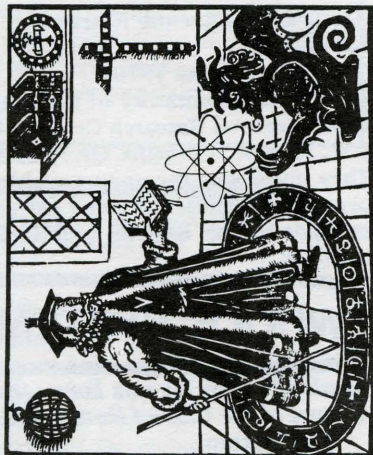
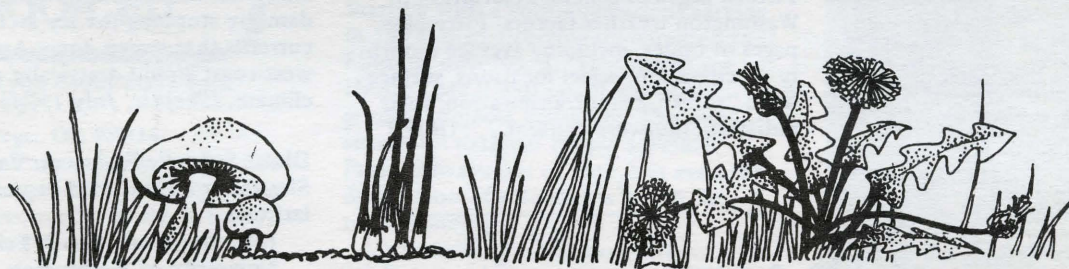


FIGURE 4 SURFACE STREAMLINES, OCTOBER - MARCH

CALENDAR

- Jan. 6 **Alternative Sources of Energy.** 5-week basic course. William A. Mackie, Linfield Research Institute, Linfield College, McMinnville, Or. 97128.
- Jan. 8-9 **Wilderness Survival Classes.** Oregon Museum of Science and Industry, 4015 S.W. Canyon Rd., Portland, 248-5900.
- Jan. 11 **Solar Wind Energy, Homesteading series.** Total Environmental Action, Box 47, Harrisville, N.H. 03450. \$30/session. Other dates. Write for details.
- Jan. 11-12 **Photography in Art and Science.** Write to John Pratt, OCE, Monmouth, Or. 97361. 838-1220, x215.
- Jan. 13 **Oregon Legislature Opens.**
- Jan. 13-17 **Solar Energy Applications for Buildings Conference.** \$300 registration. Extension 502314, Arizona State U, Tempe, Az. 85281.
- Jan. 16 **Video Exchange Information.** Workshop: time and place to be announced. Call 229-5927.
- Jan. 18 **Solid Waste Workshop.** Environmental Studies Institute. University of Wn. \$3.50 registration. (\$1 students)
- Jan. 24 **Metropolitan Environmental Education Council monthly meeting.** Mt. Hood Ntl. Forest Bldg., 2440 S.E. 195th, Portland. 9:30 a.m.
- Jan. 27 **Oregon Mycological Society Meeting.** Dr. Stuntz, University of Washington, speaking. 7:30 p.m. 3536 S.E. 26th, Portland.
- Feb. 7-9 **Toadskin Film Video Event.** \$1 entry fee. Jan. 15th deadline. Filmmakers Cinematheque, 107 Cross Place, Eugene, Or. 97402, 342-7806.
- Feb. 20-22 **Open Encounter on Video.** Establishing a base for an international festival. To be held Oct. 21 to Nov. 7th. Institute of Contemporary Arts, Ltd., Nashhouse, 12 Carlton House Terrace, London SW 1, England.
- Feb. 22 **New Age Agriculture Conference.** Contact Mark Dworkin, P.O. Box 306, Langley, Wn. 98260.
- March **National Conference on Urban Environment.** (See under Community)



ENVIRONMENTAL EDUCATION CENTER
 Portland State University
 PO Box 751
 Portland, Or. 97207

Address Correction Requested

NON-PROFIT
 ORGANIZATION
 U.S. POSTAGE
 PAID
 PORTLAND, ORE.
 PERMIT NO. 770