

Science Bibliography of Energy

Certain topics relevant to the subject matter of this issue of *Science* were omitted because they had already been treated in recent issues of the magazine. A list of these articles and the date of publication follows:

Group I: Contributed Articles (Reprints Available)

- C. A. Berg, "Energy Conservation through Effective Utilization," **181**, 128 (1973).
G. A. Lincoln, "Energy Conservation," **180**, 155 (1973).
L. A. Sagan, "Human Costs of Nuclear Power," **177**, 487 (1972).
A. W. Eipper, "Pollution Problems, Resource Policy, and the Scientist," **169**, 11 (1970).
A. M. Weinberg, "Social Institutions and Nuclear Energy," **177**, 27 (1972).
D. Chapman, T. Tyrell, and T. Mount, "Electricity Demand Growth and the Energy Crisis," **178**, 703 (1972).
E. Hirst and J. D. Moyers, "Efficiency of Energy Use in the United States," **179**, 1299 (1973).

- D. Pimentel, L. E. Hurd, A. C. Bellotti, M. J. Forster, I. N. Oka, O. D. Sholes, and R. J. Whitman, "Food Production and the Energy Crisis," **182**, 443 (1973).
E. F. Osborn, "Coal and the Present Energy Situation," **183**, 477 (1974).
J. O'M. Bockris, "A Hydrogen Economy," **176**, 1323 (1972).
L. W. Jones, "Liquid Hydrogen as a Fuel for the Future," **174**, 367 (1971).
D. F. Othmer and O. A. Roels, "Power, Fresh Water, and Food from Cold, Deep Sea Water," **182**, 121 (1973).
T. B. Reed and R. M. Lerner, "Methanol: A Versatile Fuel for Immediate Use," **182**, 1299 (1973).
W. E. Winsche, K. C. Hoffman, and F. J. Salzano, "Hydrogen: Its Future Role in the Nation's Energy Economy," **180**, 1325 (1973).

Group II: Staff-Written Articles— News and Comment

- L. J. Carter, "Deepwater Ports: Issue Mixes Supertankers, Land Policy," **181**, 825 (1973).
"Rio Blanco: Stimulating Gas and Conflict in Colorado," **180**, 844 (1973).
R. Gillette, "Budget: Energy," **183**, 635 (1974).
"Synthetic Fuels: Will Government Lend the Oil Industry a Hand?" **183**, 644 (1974).
"Energy: The Muddle at the Top," **182**, 1319 (1973).
"Western Coal: Does the Debate Follow Irreversible Commitment?" **182**, 456, (1973).
"NAS: Water Scarcity May Limit Use of Western Coal," **181**, 525 (1973).

"Nuclear Safety: Atomic Energy Commission Report Makes the Best of It," **179**, 360 (1973).
 "Nuclear Safety (IV): The Barriers to Communications," **177**, 1080 (1972).
 "Nuclear Safety (III): Critics Charge Conflicts of Interest," **177**, 970 (1972).
 "Nuclear Safety (II): Years of Delay," **177**, 867 (1972).
 "Nuclear Safety (I): The Roots of Dissent," **177**, 771 (1972).
 N. Hawkes, "Energy in Britain: Shop-

ping for a New Reactor," **183**, 57 (1974).
 C. Holden, "Energy: Shortages Loom, But Conservation Lags," **180**, 1155 (1973).
 D. Shapley, "Law of the Sea: Energy, Economy Spur Secret Review of U.S. Stance," **183**, 290 (1974).
 J. Walsh, "Electric Power Research Institute: A New Formula for Industry R & D," **182**, 263 (1973).
 "Britain and Energy Policy: Problems of Interdependence," **180**, 1343 (1973).

Group III: Staff-Written Articles—

Research News

Energy and the Future, a AAAS book by Allen Hammond, William Metz, and Thomas Maugh II contains 22 articles that take a long-range look at energy. The book is based on a series of articles in *Science*, \$4.95 (\$4.45 members' price) paperbound. \$9.95 (\$8.95 members' price) casebound. Titles are as follows:

"Energy from Fossil Fuels"
 "Gasification: A Rediscovered Source of Clean Fuels"
 "Power Gas and Combined Cycles: Clean Power from Fossil Fuels"
 "Magnetohydrodynamic Power: More Efficient Use of Coal"
 "Nuclear Energy"
 "Fission: The Pro's and Con's of Nuclear Power"
 "Breeder Reactors: The Future of Nuclear Power"
 "Alternative Energy Sources"
 "Geothermal Energy: An Emerging Major Resource"
 "Solar Energy: The Largest Resource"
 "Photovoltaic Cells: Direct Conversion of Solar Energy"
 "Fuel from Wastes: A Renewable Energy Source"
 "Magnetic Containment Fusion: What Are the Prospects?"
 "Laser Fusion: A New Approach to Thermonuclear Power"
 "Energy Transmission"
 "Transmission Lines: Three New Ways to Carry Electricity"
 "Fuel Cells: Dispersed Generation of Electricity"
 "Hydrogen: Synthetic Fuel of the Future"
 "Energy Conservation"
 "Conservation of Energy: The Potential for More Efficient Use"
 "Energy Needs: Projected Demands and How to Reduce Them"
 "Energy and the Future: Research Priorities and Energy Policy"

Additional Articles

on Energy Topics

A. L. Hammond, "Solar Energy: Proposal for a Major Research Program," **179**, 1116 (1973).
 W. D. Metz, "Ocean Temperature Gradients: Solar Power from the Sea," **180**, 1266 (1973).
 A. L. Hammond, "Dry Geothermal Wells: Promising Experimental Results," **182**, 43 (1973).

Group IV: Editorials

- P. H. Abelson, "Out of the Energy Crunch by 1976," **183**, 707 (1974).
"No Easy Way Out of Energy Crisis," **183**, 475 (1974).
"Underground Gasification of Coal," **182**, 1297 (1973).
"Increasing World Energy Supplies," **182**, 1087 (1973).
"Energy Independence," **182**, 779 (1973).
"Let the Bastards Freeze in the Dark," **182**, 657 (1973).
"The Urgent Need for Energy Conservation," **182**, 339 (1973).
"Importance of Petroleum," **180**, 1127 (1973).
"Energy and National Security," **179**, 857 (1973).

Reprints of articles listed in Group I are available. To inquire about reprints of other articles, write to Dawn Dominguez, *Science*, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005.

Forthcoming Events on Energy

May

2-7. **High Energy Accelerators**, 9th intern. conf., Stanford, Calif. (R. B. Neal, Stanford Linear Accelerator Center, P.O. Box 4349, Stanford 94305)

7-10. Conference on **Gas-Cooled Reactors: HTGR and GCFBR**, American Nuclear Soc., Gatlinburg, Tenn. (P. R. Kasten, Oak Ridge Natl. Lab., P.O. Box Y, Oak Ridge, Tenn. 37830)

9-11. Conference on **Enercology**, Alma, Mich. (R. Kapp, Alma College, Alma 48801)

21-23. **Environmental Exposition**, 4th intern., Chicago, Ill. (A. Cragg, Conference and Exposition Management Co., 34 W. Putnam Ave., Greenwich, Conn. 06830)

28-31. **Confinement of Radioactivity in Utilisation of Nuclear Energy**, 7th intern. congr., Versailles, France. (L. Fitoussi, Société Française de Radioprotection, CEN.FAR, B.P. 6, 92 260 Fontenay aux Roses, France)

29-31. International symp. on the **Effects of the Energy Shortage on Transportation Balance**, University Park, Pa. (Energy/Transport Symp., Keller Conf. Center, University Park 16802)

June

8-12. **Nuclear Energy Conf.**, European Federation of Chemical Engineers, Paris, France. (Société de Chimie Industrielle, 80, Ave. du 18-juin-1940, 9500 Rueil-Malmaison, France)

9-12. **Nuclear Reactors**, 14th intern. conf., Canadian Nuclear Assoc., Montreal, Canada. (J. A. Weller, CNA, Suite M20, 65 Queen St., W, Toronto, M5H 2M5, Canada)

August

18-23. Conference on the **Geography and Politics of Energy**, Potsdam, N.Y. (V. Minotti, State Univ. College at Potsdam, Potsdam 13676)

21-23. **International Solar Energy Soc.**, Fort Collins, Colo. (S. Karaki, Dept. of Civil Engineering, Colorado State Univ., Fort Collins 80521)

25-28. **Nuclear Power Plant Siting**, American Nuclear Soc., Portland. (J. Hind, General Electric Co., 175 Curtner Ave., San Jose, Calif. 95114)

26-30. **Circum-Pacific Energy and Mineral Resources Conf.**, sponsored by the American Assoc. of Petroleum Geologists,

Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas, and the Pacific Science Assoc.; cosponsored by the American Assoc. for the Advancement of Science, Honolulu, Hawaii. (M. T. Halbouty, CPEMRC, Michel T. Halbouty Bldg., 511 Westheimer Rd., Houston, Tex. 77027)

September

22-27. **Economic and Environmental Challenges of Future Energy Requirements**, 9th world energy conf., Detroit, Mich. (U.S. Natl. Committee, WEC, c/o Engineers Joint Council, 345 E. 47 St., New York, N.Y. 10017)