

AD-A033 622 AIR FORCE ACADEMY COLO LIBRARY  
NUCLEAR ENERGY, (U)  
1976 O K SUTTON, B FOGLER  
UNCLASSIFIED SPECIAL BIB SER-56

F/6 18/5

NL

1 of 1  
AD  
A033622



END  
DATE  
FILMED  
2-77

12 P.S.

**SPECIAL  
BIBLIOGRAPHY  
SERIES**

NO. 56

Special Bibliography Ser-56

format

ADA 033622

**NUCLEAR ENERGY,**

10 Ollie K. Sutton  
Betty Fogler

11 1976



DDC  
RECEIVED  
DEC 21 1976  
WGL/LLD  
12 2500

**LIBRARY**

DISTRIBUTION STATEMENT A

Approved for public release;  
Distribution Unlimited

403493  
bpg

-A-

**SPECIAL  
BIBLIOGRAPHY  
SERIES**

***NUCLEAR ENERGY***

**JANUARY 1977**

- B -



## GENERAL AND HISTORICAL STUDIES

### Books

- Allardice, Corbin. The Atomic Energy Commission. New York: Praeger, 1974. (HD 9698 .U52 A63)
- Inglis, David P. Nuclear energy: its physics and its social challenge. Reading, Mass.: Addison-Wesley Pub. Co., 1973. (QC 792 .I55)
- Mann, Martin. Peacetime uses of atomic energy. 3d rev. ed. New York: T. Y. Crowell, 1975. (TK 9146 .M3 1975)
- Metzger, H. Peter. The atomic establishment. New York: Simon and Schuster, 1972. (HD 9698 .U52 M47)
- Murray, Raymond L. Nuclear energy; an introduction to the concepts, systems, and applications of nuclear processes. New York: Pergamon Press, 1975. (TK 9146 .M87)
- Patterson, Walter C. Nuclear power. Harmondsworth: Penquin, 1976. (TK 9145 .P37)
- Seaborg, Glenn T. and William R. Corliss. Man and atom; building a new world through nuclear technology. New York: E. P. Dutton, 1971. (TK 9145 S43)
- Seaborg, Glenn T. Nuclear milestones; a collection of speeches. San Francisco: W. H. Freeman, 1972. (QC 773.3 .U5 S42)
- Stokley, James. The new world of the atom. New York: Washburn, 1970. (TK 9146 S87 1970)
- Washington energy directory. 1975/76- Washington, D.C.: Center for Policy Process. (Ref HD 9502 .U52 W38)

### Periodical Articles

- Alfven, Harnes. Do we need nuclear power? The case for and against a controversial energy source. Atlas 23:13-15, January 1976.
- Atomic energy: critics question AEC procedures. CQ Weekly Report 29:613-17, March 19, 1971.

- Bethe, H. A. Necessity of fission power. Scientific American 234:21-31, January 1976; Discussion 234:8+; Reply 15-16+, April 1976.
- Booth, H. R. Nuclear power today. Chemical Engineering 82:102-18, October 13, 1975.
- Deans, Ralph C. Nuclear power options. Editorial Research Reports p.587-606, August 4, 1971.
- Hammond, A. Fission; the Pro's and con's of nuclear power. Science 178:147-9, October 13, 1972.
- Jordan, W. H. Nuclear energy; benefits versus risks. Physics Today 23:32-8, May 1970; Discussion 23:9+, September 1970; 9-11, November 1970; Discussion 24:11+, January 1971; 11+, April 1971.
- Mitchell, W. Nuclear survey; a record year. Electrical World 180:63-70, October 15, 1973.
- Nuclear future. Forbes 113:22-4+, May 1, 1974.
- Steiner, Arthur. Scientists, statesmen, and politicians: the competing influences on American atomic energy policy 1945-46. Minerva 12:469-509, October 1974.
- Rose, D. J. Nuclear electric power. Science 184:351-9, April 19, 1974.
- Zitlan, Walter A. Energy overview: obstacles and opportunities. Sea Power 17:6-12, February 1974.

#### Public Documents

- U.S. Atomic Energy Commission. Annual report to Congress. 1974. (Y3.At7:1/974) Annual.
- \_\_\_\_\_. Evaluation of nuclear energy centers. 2v. 1974. (Y3.At7:22/WASH-1288/v.)
- \_\_\_\_\_. The nation's energy future. Report. 1973. (Y3.At7:22/WASH-1281)
- \_\_\_\_\_. Nuclear industry, 1974. (Y3.At7:22/WASH-1174-74) Annual.
- \_\_\_\_\_. Nuclear power growth: 1974-2000. 1974. (Y3At7:22/WASH-1139/74)

U.S. Atomic Energy Commission. Nuclear power plant operating experience during 1973. 1975. (3 mf-ASI-75-9108-49)

. Operating history - U.S. nuclear power reactors. 1973. (Y3.At7:22/WASH-1203-73) Annual.

. Status of central station nuclear power reactors, significant milestones. 1975. (3 mf-ASI-75-9102-5)

. A selected, annotated bibliography of the civil, industrial, and scientific uses for nuclear explosions. 1974. (Y3.At7:22/TID-3522-R9-S2) Supplement, 1971, (Y3.At7:22/TID-3522)

U.S. Congress. House. Committee on Interior and Insular Affairs. Oversight hearings on nuclear energy, overview of major issues. Hearings, 94th Cong., 1st and 2nd Sess., 1975-76. (Y4.In8/14:94-16/pt.)

U.S. Congress. Joint Committee on Atomic Energy. AEC authorizing legislation, fiscal year 1975. Hearings, 93rd Cong., 2nd Sess., 1974. (Y4.At7/2:L52/975/pt.)

. AEC December 1, 1973, report on energy research and development. Hearing, 93rd Cong., 1st Sess., 1973. (Y4.At7/2:En2/3/973)

. Atomic energy legislation through 94th Congress, 1st Session. Committee Print, 94th Cong., 2nd Sess., 1976. (Y4At7/2:L52/2/975) Annual.

. Certain background information for consideration when evaluating the "National energy dilemma". Joint Committee Print, 93rd Cong., 1st Sess., 1973. (Y4.At7/2:En2)

. Development, growth and state of the nuclear industry. Hearings, 93rd Cong., 2nd Sess., 1974. (Y4.At7/2:N88/16)

. ERDA authorizing legislation FY 1977. Hearings, 94th Cong., 2nd Sess., 1976. (Y4.At7/2:L52/3/977/pt.) For earlier (AEC) hearings see (Y4.At7/2:L52/yr.)

. Nuclear fuel assurance act of 1975. Hearings, 94th Cong., 1975-1976. 2pts. (Y4.At7/2:N88/23/pt.)

. Nuclear power and related energy problems-1968 through 1970. Joint Committee Print, 92nd Cong., 1st Sess., 1971. (Y4.At7/2:N88/11/968-70)

. Nuclear Regulatory Commission authorizing legislation, fiscal year 1977. 1976. (Y4.At7/2:N88/19/977) Annual.

U.S. Congress. Senate. Committee on Government Operations. Energy reorganization act of 1974. Senate rept. 980, 93rd Cong., 2nd Sess., 1974.

. To establish Dept. of Energy and Natural Resources, Energy Research and Development Administration, and Nuclear Safety and Licensing Commission. Hearings, 93rd Cong., 2nd Sess., 1974. (Y4.G74/6:En2/8)

U.S. Congress. Senate. Committee on Interior and Insular Affairs. Effect of Calvert Cliffs and other court decisions upon nuclear power in the United States. Committee print, 92nd Cong., 2nd Sess., 1972. (Y4.In8/13:92-28)

. Energy research policy alternatives. Hearing, 92nd Cong., 2nd Sess., 1972. (Y4.In8/13:92-30)

U.S. Energy Research and Development Administration. Creating energy choices for the future. 2v. 1976. (ER1.11:ERDA-48)

. Nuclear reactors built, being built, or planned in the United States as of June 30, 1975. 1975. (ER1.11:TID-8200-R32) on order.

. Operating history, U.S. nuclear power reactors. 1974. (ER1.11:ERDA-29-74) on order.

U.S. Federal Energy Administration. Nuclear energy, Project Independence blueprint final task force report. 1974. (FE1.18:N88)

U.S. Nuclear Regulatory Commission. Annual report, 1975. First annual report. (Y3.N88:1/975)

## ECONOMIC ASPECTS

### Books

Cochran, Thomas B. The liquid metal fast breeder reactor; an environmental and economic critique. Baltimore, Md.: John Hopkins University Press, 1974. (TK 9203 .B7 C6)

Organization for Economic Cooperation and Development. European Nuclear Energy Agency. Report on the activities of the Agency. 12th- , 1970- . Paris. (HD 9698 .A2 O68r)

Vernon, John M. Public investment planning in civilian nuclear power. Durham, N.C.: Duke University Press, 1971. (HD 9698 .U52 V54)

### Periodical Articles

Atoms and dollars. Forbes 108:24-6+, October 1, 1971.

Benedict, M. Electric generating prospects for nuclear power. IEEE Spectrum 7:24-30, July 1970.

Breeders promise abundant electricity. Electrical World 185:58-61, May 15, 1976.

Breeder reactor: questions on cost, safety. CQ Weekly Report 33:231-6, February 1, 1975.

Budwani, R. N. Nuclear power plants: what it takes to get them built. Power Engineering 79:38-45, June 1975.

California; nuclear or not? Economist 259:41-2, May 29, 1976.

Carter, L. J. Nuclear power; Westinghouse looks to Washington for a customer; floating nuclear power plants. Science 189:29-30, July 4, 1975.

Creagan, R. J. Boon to society; the LMFBR. Mechanical Engineering 95:12-16, February 1973; Discussion. 95:62-3, July 1973.

Culler, F. L., Jr. Energy from breeder reactors. Physics Today 25:28-35+, May 1972.

Decker, G. L. Prospects for nuclear power generation in private industry. Chemistry & Industry p.722-5, September 6, 1975.

- Deutsch, R. W. Staffing tomorrow's nuclear plants. Power Engineering 75:58-60, March 1971.
- Fischer, J. A. Role of off-shore nuclear power plants. American Society of Civil Engineers. Proceedings 101:1-9, July 1975. (PO1 No.11407)
- Jacobs, M. Record federal R & D budget continues energy emphasis. Physics Today 28:101-4, April 1975.
- Korb, Lawrence J. The issues and costs of the new United States nuclear policy. Naval War College Review 27:28-41, Nov-Dec 1974.
- Long range investment in the breeder reactor. Magazine of Wall Street 128:19-21+, July 3, 1971.
- Marsham, T. N. Will nuclear power pay off? Electronics & Power 17:57-63, February 1971; Discussion. A. E. Lott 17:278, July 1971.
- Olds, F. C. Nuclear standards and standard nuclear plants; more than money is at stake. Power Engineering 79:42-9, March 1975.
- Phillips, James G. Breeder reactor continues to receive administration priority. National Journal Reports 7:305-13, March 1, 1975.
- \_\_\_\_\_. 1976 is the 'go or no go' year for nuclear industry. National Journal 8:91-8, January 24, 1976.
- Rose, D. J. Nuclear power, compared to what? American Scientist 64:291-9, May 1976.
- Simpson, J. W. Case for nuclear energy. IEEE Spectrum 9:71-3, September 1972.
- Stauffer, T. R. The breeder reactor: an economic incentive. Government Executive 7:15-16+, April 1975.
- Taylor, John. The nuclear imperative: the alternatives lack economic muscle. Government Executive 7:26-27+, April 1975.
- Utilities weigh economics of nuclear vs coal. Electrical World 185:21-3, January 1, 1976.
- Walters, S. Power in the year 2001; rock burning and sea burning. Mechanical Engineering 93:27-34, December 1971.
- Why the breeder program is under attack. Business Week p.222+, November 10, 1973.

Wray, J. L. Can nuclear resources meet needs? Electrical World  
180:36-8, July 15, 1973.

Public Documents

Alexander, A. J. Comments on LMFBR cost-benefit analysis. Rand P-5498,  
August 1975.

Anderson, K. P. The long-run marginal costs of energy. Rand R-1590-NSF,  
February 1975.

Committee for Economic Development. Nuclear energy and national  
security. 1976. (in process)

Morris, D. N. Possible effects of nuclear initiative on supply and use  
of electricity in California. Rand P-5547, December 1975.

U.S. Atomic Energy Commission. Comparative risk-cost-benefit study of  
alternative sources of electrical energy. 1974. (Y3.At7:22/  
WASH-1224) and Appendix A, WASH-1224-A.

\_\_\_\_\_. Licensing of power reactors. 1967. (Y3.At7:2P87/3/967)

\_\_\_\_\_. Population distribution around nuclear power plant sites.  
1975. (ASI-75-9108-50)

\_\_\_\_\_. Power plant capital costs, current trends, and sensitivity to  
economic parameters. 1974. (Y4.At7:22/WASH-1345)

\_\_\_\_\_. Study of Social costs for alternate means of electrical power  
generation for 1980 and 1990. 1974. (3 mf-ASI-74-9108-42)

U.S. Congress. House. Committee on Appropriations. Atomic Energy  
Commission. Hearings, 92nd Cong., 1st Sess., 1971.  
(Y4.Ap6/1:At7/2)

\_\_\_\_\_. Public works... appropriation bill, 1977. Hearings, 94th  
Cong., 2nd Sess., 1976. (Y4.Ap6/1:P96/4/977/pt.)

U.S. Congress. Senate. Committee on Appropriations. Public works...  
appropriations. Hearings, 94th Cong., 2nd Sess., 1976.  
(Y4.Ap6/2:P96/3/977/pt.)

U.S. Congress. Senate. Committee on Commerce. Energy research and  
development. Hearings, 92nd Cong., 2nd Sess., 1972.  
(Y4.C73/2:92-62A)

- U.S. Congress. Senate. Committee on Interior and Insular Affairs. Survey of energy consumption projections. Committee print, 92nd Cong., 2nd Sess., 1972. (Y3.In8/13:92-19)
- U.S. Energy Research and Development Administration. Advanced nuclear reactors. 1975. (ER1.11:ERDA-46/2)
- U.S. Federal Energy Administration. Direct and indirect economic, social, and environmental impacts of the passage of the California Nuclear Power Plants Initiative. 4v. 1976. (FE1.2:N88/v.)
- U.S. National Science Foundation. The economic and social costs of coal and nuclear electric generation. Report of a workshop. 1976. (NS1.2:C63)

## ENVIRONMENTAL CONCERNS

### Books

- Cohen, Bernard L. Nuclear science and society. Garden City, N.Y.: Anchor Press, 1974. (QC 776 .C56)
- Ebbin, Steven. Citizen groups and the nuclear power controversy: uses of scientific and technological information. Cambridge, Mass.: MIT Press, 1974. (TD 195 .E4 E2)
- Farmer, Gary. Unready kilowatts; the high-tension politics of ecology. La Salle, Ill.: Open Court, 1975. (TD 195 .E4 F37)
- Foreman, Harry, ed. Nuclear power and the public. Minneapolis: University of Minnesota Press, 1970. (TK 1078 N96)
- Fuller, John G. We almost lost Detroit. New York: Reader's Digest Press, 1975. (TK 1344 .M5 F84 1975)
- Gofman, John W. Poisoned power; the case against nuclear power plants. Emmaus, Pa.: Rodale Press, 1971. (TK 9152 G61)
- International Atomic Energy Agency. Nuclear power and the environment. Vienna: International Atomic Energy Agency, 1973. (TD 195 .E4 I57)
- Lewis, Richard S. The nuclear-power rebellion; citizens vs the atomic industrial establishment. New York: Viking Press, 1972. (HD 9698 .A3 U44)
- Nelkin, Dorothy. Nuclear power and its critics; the Cayuga Lake controversy. Ithaca: Cornell University Press, 1971. (TK 1344 N53N)
- Petersen, Darwin A. Nuclear reactors: the community concern. Maxwell Air Force Base, Ala.: Air War College, Air University, 1976. (UGB 907 .A42 G032)
- Reed, Charles B. Fuels, minerals, and human survival: an inquiry concerning the future of our industrial society. Ann Arbor, Mich.: Ann Arbor Science Publishers, 1975. (TK 9153 .R43)
- Sagan, Leonard A. Human and ecological effects of nuclear power plants. Springfield, Ill.: Thomas, 1974. (TD 195 .E4 S2)

Union of Concerned Scientists. The nuclear fuel cycle: a survey of the public health, environmental, and national security effects of nuclear power. Cambridge: MIT Press, 1975. (TK 9155 .U54 1975)

Periodical Articles

- Barfield, Claude E. Calvert Cliffs decision requires agencies to get tough with environmental laws... (Maryland, July 23, 1971). National Journal 3:1925-33, September 18, 1971.
- \_\_\_\_\_. Congress weighs major shift in reactor licensing procedures. National Journal Reports 6:647-58, May 4, 1974.
- Bonnland, R. Handling nuclear waste.... Chemical Engineering Progress 72:47-8, March 1976.
- Both sides of the issue, nuclear power plants: how risky? U.S. News & World Report 80:55-6, March 29, 1976.
- Cherico, J. How much security is enough? Power Engineering 80:40-5, February 1976.
- Davis, W. K. Environmental challenges and nuclear fuels. Chemical Engineering Progress 69:48-53; Discussion 54-8, June 1973.
- Deadly dilemma of nuclear wastes. Business Week p.70-1, March 3, 1975.
- Donovan, Major Robert E. Environmental impact of power plants. Military Engineer 63:5-8, Jan-Feb 1971.
- Dukert, Joseph M. Making nuclear energy safe and secure. Foreign Affairs 53:756-72, July 1975.
- Dutton, R. Optional location of nuclear-power facilities in the Pacific Northwest. Operations Research 22:478-87, May 1974.
- Environmental hazards in radioactive waste disposal. Physics Today 29:9+, January 1976.
- Even tougher rules to make reactors safer. Business Week p.96+, May 18, 1974.
- Gillette, R. Nuclear reactor safety; at the AEC the way of the dissenter is hard. Science 176:492-8, May 5, 1972.
- \_\_\_\_\_. Reactor safety; AEC concedes some points to its critics. Science 178:482-4, November 3, 1972.

- Gillette, R. Transient nuclear workers; a special case for standards. Science 186:125-7+, October 11, 1974.
- Hamer, John. Nuclear safety. Editorial Research Reports p.603-24, August 22, 1975.
- Hannon, F. L. Quality assurance standards for nuclear power plants. Quality Progress 8:12-15, July 1975.
- Holden, C. Nuclear waste; Kansans riled by AEC plans for atom dump. (map) Science 172:249-50, April 16, 1971.
- Kaplan, G. Bugs in the nuclear fuel cycle. IEEE Spectrum 12:56-64, September 1975.
- \_\_\_\_\_. Seeking super safety. IEEE Spectrum 12:46-9+, June 1975.
- Kubo, A. S. Disposal of nuclear wastes. Science 182:1205-11, December 21, 1973. Discussion 185:1183-4, September 27, 1974.
- Levenson, M. Nuclear power and public perception. Chemical Engineering Progress 72:24-28, January 1976; Discussion 72:8+, March 1976.
- Living with atomic power - and liking it. (Massachusetts) U.S. News & World Report 70:67-9, March 29, 1971.
- McCormack, M. Whats' ahead for energy; putting down the scare stories and facing reality. Nations Business 63:24-6+, September 1975.
- MacDougall, William L. 28 years after atom blast, the Bikinians return home: its' a renovated paradise - but many natives still fear lingering radioactivity. U.S. New & World Report 77:52-4, December 16, 1974.
- McWethy, Jack. Atomic power: why the dream gets dimmer by the day.... U.S. News & World Report 80:49-52, February 16, 1976.
- \_\_\_\_\_. Inside an atomic power plant - how dangerous? (...tour of the Dresden nuclear power plant... Morris, Ill.) U.S. News & World Report 80:61-3, March 15, 1976.
- Nader, R. Nuclear power; more than a technological issue. Mechanical Engineering 98:32-7, February 1976.
- Nelson, B. Colorado environmentalists: scientists battle AEC and army. Science 168:1324+, June 12, 1970.

- Nuclear energy - its peacetime use: interview with James R. Schlesinger, chairman, AEC. U.S. News & World Report 72:46-51, February 14, 1972.
- Nuclear power development: will facts win out over unfounded fear? Government Executive 8:46+, May 1976.
- Nuclear power plant safety; presentations of differing view points. IEEE Spectrum 13:52-7+, May 1976.
- Nuclear power's fate on numerous ballots. Industry Week 188:18-19, February 16, 1976.
- Nuclear reactor safety: the APS submits its report. Physics Today 28:38-43, July 1975.
- Nuclear safety; is it as bad as some people say it is? (Interview with MIT's N. C. Rasmussen. Iron Age 215:41-3, June 2, 1975.
- Olds, F. C. Inservice inspection of nuclear power plants. Power Engineering 79:28-35, January 1975.
- Oyen, L. C. Solving radwaste problems. Power 120:75-77, March 1976.
- Palfrey, John Gorham. Energy and the environment: the special case of nuclear power. Columbia Law Review 74:1375-1409, December 1974.
- Phillips, James G. Energy report: safeguards, recycling broaden nuclear power debate. National Journal Reports 7:419-29, March 22, 1975.
- \_\_\_\_\_. Nader, nuclear industry prepare to battle over the atom. National Journal Reports 7:153-64, February 1, 1975.
- Radioactive wastes; long-term pollutants. Instruments and Central Systems 45:33, November 1972.
- Rising dangers of atomic wastes: can a foolproof way ever be found to transport and store deadly residue from nuclear reactors? U.S. News & World Report 75:30-2, September 10, 1973.
- Roberts, D. Environmentalists push light water reactors out to sea. Engineer 240:24-5, June 26, 1975.
- Rolnick, Peggy. Increasing citizen participation in AEC proceedings by expanding social impact considerations: the Maine Yankee decision. George Washington Law Review 42:1062-88, August 1974.
- Sagan, L. A. Human costs of nuclear power. Science 177:487-93, August 11, 1972. Discussion 180:693-4+, May 18, 1973.

- Schuster, R. Siting sorrows; special report. Power Engineering 74:28-35, December 1970.
- Scene is set for states to handle radiation rules. Electrical World 175:27-8, February 1, 1971.
- Schwieger, R. G. Survey shows nuclear plants will limit polluting effluents. Power 115:49-53, January 1971.
- Simmons, H. T. Critical days for atomic power. Duns Review 107:58-60+, May 1976.
- Smith, T. H. and Winegardener, W. K. Risk analysis of nuclear waste management systems. Power Engineering 79:35-7, February 1975.
- Stewart, J. E. Cryogenics; a solution to radioactive pollution. Electrical World 176:39-40, November 15, 1971.
- Strauss, S. D. Industry awaits solutions to problems of high - level radioactive - waste management. Power 117:23-7, December 1973.
- The use of generic rulemaking to resolve environmental issues in nuclear power plant licensing. Virginia Law Review 61:869-902, May 1975.
- A victory for nuclear power.... (California voters) U.S. News & World Report 80:34, June 21, 1976.
- Walsh, J. Opposition to nuclear power; raising the question at the polls. Science 190:964-6, December 5, 1975.
- Weinberg, A. M. Maturity and future of nuclear energy. American Scientist 64:16-21, January 1976. Discussion 64:246-7, May 1976.
- \_\_\_\_\_. Social institutions and nuclear energy. Science 177:27-34, July 7, 1972; Discussion 178:933-4, December 1, 1972.
- Wilson, B. Nuclear power wins big in California election. Iron Age 217:32-4, June 21, 1976.

#### Public Documents

- AEC Environmental Protection Conference. Proceedings of the second... Conference. 1974. (Y3.At7:22/WASH-1332/74)

Doctor, Ronald D. Consequences of the present policy of demand accomo-  
dation: a statement before the California Assembly.... February  
16, 1973. Rand P-5016, April 1973.

Kamnis, Milton. A reliability review of the reactor safety study. Rand  
P-5413, April 1975.

U.S. Atomic Energy Commission. Ecological aspects of the nuclear age.  
1972. (Y3.At7:22/TID-25978)

. Energy, environment and planning, the Long Island Sound  
region. 1973. (Y3.At7:22/BNL-50355)

. The environmental impact of electrical power generation:  
nuclear and fossil. 1973. (Y3.At7:22/WASH-1261)

. Environmental surveillance at Hanford for 1973. 1974.  
(mf-ASI-74-9104-18)

. Environmental survey of transportation of radioactive  
materials to and from nuclear power plants. 1974. (2 mf-ASI-74-  
9108-17)

. Land use and nuclear power plants, case studies of siting  
problems. 1974. (Y3.At7:22/WASH-1288/v.2)

. Nuclear power and the environment. 1970. (Y3.At7:2N88/15)

. Proceedings of the AEC Pollution Control Conference, 1972.  
1973. (Y3.At7:22/CONF-721030)

. Proceedings of the Interagency Conference on the Environment,  
1972. 1973. (Y3.At7:22/CONF-721002)

. Proposed final environmental statement, liquid metal fast  
breeder reaction program. 7v. 1974. (Y3.At7:22/WASH-1535/v.)

. Report on releases of radioactivity in effluents and solid  
waste from nuclear power plants for 1972. 1974. (mf-ASI-74-  
9104-14)

. Summaries of USAEC environmental research and development.  
1974. (3 mf-ASI-74-9108-37)

. Summary report on the assessment of environmental radio-  
activity in the vicinity of the Shippingport Power Station.  
1974. (2 mf-ASI-74-9108-38)

- U.S. Atomic Energy Commission. Thermal effects and U.S. nuclear power stations. 1971. (Y3.At7:22/WASH-1169)
- U.S. Congress. Joint Committee on Atomic Energy. Browns Ferry Nuclear Plant fire. Hearings, 94th Cong., 1st Sess., 1975. (Y4.At7/2:N88/22)
- . Investigation of charges relating to nuclear reactor safety. Hearings, 94th Cong., 2nd Sess., 1976. 2v. (Y4.At7/2:N88/25/v.)
- . Liquid metal fast breeder reactor (LMFBR) demonstration plant. Hearings, 92nd Cong., 2nd Sess., 1972. (Y4.At7/2:L66 and L66/2)
- . Nuclear power-plant siting and licensing. Hearings, 93rd Cong., 2nd Sess., 1974. 2v. (Y4.At7/2:N88/20/v.)
- . Nuclear reactor safety. Hearings, 93rd Cong., 2nd Sess., 1974. 2v. (Y4.At7/2:N88/14/pt.2/v.) See also pt.1, 93rd Cong., 1st Sess., 1973. (Y4.At7/2:N88/14/pt.1)
- . Nuclear Regulatory Commission action requiring safety inspections which resulted in shutdown of certain nuclear power plants. Hearings, 94th Cong., 2nd Sess., 1975. (Y4.At7/2:N88/18)
- . Proposed nuclear powerplant siting and licensing legislation. Hearings, 94th Cong., 1st Sess., 1975. (Y4.At7/2:P87/6/975)
- . Review of the liquid metal fast breeder reactor program. Hearings, 94th Cong., 1st Sess., 1975. 2v. (Y4.At7/2:B74/2/975/v.)
- . Storage and disposal of radioactive waste. Hearings, 94th Cong., 1st Sess., 1975. (Y4.At7/2:R11/19)
- . To amend the Atomic Energy Act of 1954 regarding the licensing of nuclear facilities. Hearings, 92nd Cong., 2nd Sess., 1972. 2pts. (Y4.At7/2:At7/24/pt.)
- . Use of uranium mill tailings for construction purposes. Hearings, 92nd Cong., 1st Sess., 1971. (Y4.At7/2:Ur1/8)
- U.S. Environmental Protection Agency. Radioactivity distribution in phosphate products, by-products, effluents, and wastes. 1975. (EP6.10/3:75-3)
- . Radiological quality of the environment. 1976. (EP6.11:976)

- U.S. Energy Research and Development Administration. Environmental assessment, Pinellas Plant, St. Petersburg, Fla. 1975. (ER1.2:En8)
- \_\_\_\_\_. Environmental assessment, Plantex Plant, Amarillo, Texas. 1976. (ER1.2:En8/2)
- \_\_\_\_\_. The environmental impact of electrical power generation: nuclear and fossil. 1975. (ER1.11:ERDA-69)
- \_\_\_\_\_. Final environmental statement: expansion of U.S. uranium enrichment capacity. 1976. (ER1.11:ERDA-1543)
- U.S. Environmental Protection Agency. Estimates of ionizing radiation doses in the United States, 1960-2000. 1972. (EP6.10/3:72-1)
- U.S. General Accounting Office. Controlling radiation hazard from uranium mill tailings, ERDA, NRC. 1975. (GA1.13:RED-75-365)
- \_\_\_\_\_. Improvements needed in the land disposal of radioactive wastes, problem of centuries. 1976. (GA1.13:RED-76-54)
- \_\_\_\_\_. Improvements needed in the program for the protection of special nuclear material. 1973. (GA1.13:N88/13)
- U.S. Geological Survey. Nuclear energy resources, geologic perspective. 1974. (I19.2:N88/2)
- U.S. Nuclear Regulatory Commission. Exposure of airport workers to radiation from shipments of radioactive materials. 1976. (mf-ASI-76-9638-3)
- \_\_\_\_\_. Nuclear energy center site survey. 1976. (24 mf-ASI-76-9638-2)
- \_\_\_\_\_. Occupational radiation exposure at light water cooled power reactors, 1969-74. (mf-ASI-76-9634-3)
- \_\_\_\_\_. Reactor safety research program, description of current and planned reactor safety research.... 1975. (Y3.N88:10/NUREG-75/058)
- \_\_\_\_\_. Reactor safety study. 1975. (47 mf-ASI-75-9638-1)
- \_\_\_\_\_. Summary of radioactivity released in effluents from nuclear power plants during 1973. 1975. (mf-ASI-75-9634-1)

## INTERNATIONAL CONSIDERATIONS

### Books

- Imai, Ryukichi. Nuclear safeguards. London: International Institute for Strategic Studies, 1972. (Adelphi papers, No.186)  
(U 162 A23 No.86)
- International Conference on Magnetohydrodynamic Electrical Power Generation, 5th. Proceedings. Paris: Organization for Economic Cooperation and Development, 1971. (Oversize TK 2970 S98 1971)
- International Conference on Peaceful Uses of Atomic Energy. 4th, Geneva, 1971. Peaceful uses of atomic energy. Proceedings. 15 vols. New York: United Nations, 1972. (QC 770 I6 1971)
- Leachman, Robert B., ed. Preventing nuclear theft: guidelines for industry and government. New York: Praeger, 1972. (HD 9698 .A22 P74)
- Lewis, Richard S., ed. Alamagordo plus twenty-five years; the impact of atomic energy on science, technology, and world politics. New York: Viking Press, 1971. (QC 792 A31)
- McKnight, Allan D. Atomic safeguards; a study in international verification. New York: United Nations Institute for Training and Research, 1971. (JX 1974.7 M225)
- Nau, Henry R. National politics and international technology: nuclear reactor development in Western Europe. Baltimore, Md.: Johns Hopkins University Press, 1974. (HD 9698 .E82 N3)
- Nou, Juri V. Nuclear proliferation: a fading worry. Maxwell Air Force Base, Ala.: Air War College, Air University, 1973. (UGB 907 .A42 5148)
- Organization for Economic Cooperation and Development. Nuclear Energy Agency. Third Activity Report, 1974. Paris: OECD, 1975. (HD 9698 .A2 069 1974)
- Stockholm International Peace Research Institute. The nuclear age. Cambridge: MIT Press, 1975. (TK 9153 .S78 1975)
- Symposium on Neutron Monitoring for Radiation Protection Purposes. Neutron monitoring for radiation protection purposes; proceedings. Vienna: International Atomic Energy Agency, 1973. 2v. (QC 793.5 .N4627 S9 1972)

Symposium on Progress in Safeguards Techniques. Safeguards techniques.  
2 vols. Vienna: International Atomic Energy Agency, 1970.  
(TK 9360 S989)

Symposium on the Reliability of Nuclear Power Plants. Reliability of  
nuclear power plants. Vienna: International Atomic Energy  
Agency, 1975. (TK 1078 .S94 1975)

Willrich, Mason. Global politics of nuclear energy. New York:  
Praeger, 1971. (TK 9145 W73)

\_\_\_\_\_. International safeguards and nuclear industry. Baltimore,  
Md.: Johns Hopkins University Press, 1973. (HD 9698 .A2 W53)

\_\_\_\_\_. Nuclear threat: risks and safeguards. Cambridge, Mass.:  
Ballinger Pub. Co., 1974. (HD 9698 .A2 W54)

#### Periodical Articles

Alexander, T. Our costly losing battle against nuclear proliferation.  
Fortune 92:142-6+, December 1975.

The atom on the scales of progress. (Interview with Andranik  
Petrosyants, chairman of the U.S.S.R. atomic energy committee...)  
New Times (Moscow) No.13:18-22, March 1976.

The breeder's biggest backer: France is building the first commerical-  
size nuclear breeder reactor. Business Week p.143-4, August 16,  
1976.

Breeding power in space. Mechanical Engineering 95:37-8, July 1973.

Energy: building atom power in Europe and Japan. Business Week  
p.36-7+, March 17, 1975.

France has its nuclear headaches, too: the French electricity industry  
has begun to protest.... Economist 252:76-7, September 7, 1974.

Hahn, Walter F. Nuclear proliferation. Strategic Review 3:16-24,  
Winter 1975.

How safe the safeguards? Science 184:1352, June 28, 1974.

Ingram, Timothy H. Nuclear hijacking: now within the grasp of any  
bright lunatic. Washington Monthly 4:20-8, January 1973.

Joskow, Paul. The international nuclear industry today: the end  
of the American monopoly. Foreign Affairs 54:788-803, July 1976.

- Lord Hinton. Two decades of nuclear confusion. New Scientist 72:200-2, October 28, 1976.
- McLin, Jon. The peaceful atom comes of age. American University Fieldstaff Reports: West Europe Series, v.6, no.1, October 1971.
- Morokhov, Igor. Atomic power development and nonproliferation. New Times (Moscow) No.35:18-20, August 1975.
- Norton, Augustus R. Nuclear terrorism and the Middle East. Military Review 56:3-11, April 1976.
- Olivier, J. P. Productive and protective aspects of the work of OECD's European nuclear energy agency; nuclear energy and the environment; the problem of radioactive waste. OECD Observer No.57:9-13, April 1972.
- Peaceful uses of atomic energy: agreement between the U.S. and the U.S.S.R..... June 21, 1973. Weekly Compilation of Presidential Documents 9:810-12, June 25, 1973.
- Pendley, Robert. International safeguarding as institutionalized collective behavior. International Organization 29:585-616, Summer 1975.
- Pooling brains to study the atom: foreign scientists are participating in a project at Russia's reactor center (at Protvino) Business Week p.56-7, August 22, 1970.
- Qvester, George H. Can proliferation now be stopped? Foreign Affairs 53:77-97, October 1974.
- Question around the world: "When can we get A'power?" in the global rush to "go nuclear".... U.S. News & World Report 77:51-2, September 30, 1974.
- Rush to nuclear power: a chain reaction in world.... U.S. News & World Report 78:64-7, June 9, 1975.
- Seaborg, Glenn T. General conference of the International Atomic Energy Agency... address. U.S. Dept. of State Bulletin 65:419-24, October 18, 1971.
- Stevenson, Adlai E., III. Nuclear reactors: America must act. Foreign Affairs 53:64-76, October 1974.
- Weinberg, Alvin M. Nuclear energy: a prelude to H. G. Wells' dream. Foreign Affairs 49:407-18, April 1971.

Younghusband, Peter. Nuclear power politics: a U.S.-Europe-Africa case study. European Community No.196:22-5, August/September 1976.

Public Documents

General Accounting Office. Role of the International Atomic Energy Agency in safeguarding nuclear material.... 1975. (GA1.13: ID-75-65)

Gilinsky, V. Nonproliferation treaty safeguards and the spread of nuclear technology. Rand R-501, May 1970.

Jenkins, B. Terrorism and the nuclear safeguards issue. Rand P-5611, March 1976.

Petrosyants, Andranik M. From scientific research to the atomic industry. Springfield, Va.: NTIS, 1973. (JPRS 60584)  
Y3.J66:13/60584

U.S. Congress. House. Committee on Foreign Affairs. U.S. foreign policy and export of nuclear technology to the Middle East. Hearings, 93rd Cong., 2nd Sess., 1974. (Y4.F76/1:N88)

U.S. Congress. House. Committee on International Relations. Science, technology, and diplomacy in the age of interdependence. Committee print, 94th Cong., 2nd Sess., 1976. (Y4.In8/16:Sci2/2)

U.S. Congress. Joint Committee on Atomic Energy. International agreements for cooperation. Series of hearings. (Y4.At7/2: In8/no.)

Proposals for international cooperation in nuclear energy. Hearings, 94th Cong., 1st Sess., 1975. (Y4.At7/2:In8/7)

U.S. Congress. Senate. Committee on Foreign Relations. International safeguards of nuclear materials. Senate Rpt. 525, 94th Cong., 1st Sess., 1975.

U.S. Congress. Senate. Committee on Government Operations. United States agreements for cooperation in atomic energy, analysis. Committee print, 94th Cong., 2nd Sess., 1976. (Y4.G74/6:At7)

U.S. Dept. of State. Atomic energy, application of safeguards by IAEA to United States-Israel Cooperative Agreement... 1975. TIAS 8051. (S9.12:v.26, pt.1, p.483-92)

U.S. Dept. of State. Atomic energy, cooperation in peaceful application, agreement between United States and International Atomic Energy Agency... 1974. TIAS 7852. (S9.12:v.25, pt.2, p.1199-1202)

U.S. President. Laws and regulations governing nuclear exports and domestic and international nuclear safeguards. Message. 1975. (House doc. 131, 94th Cong., 1st Sess., 1975)

#### ADDITIONAL REFERENCES

The following references contain such substantial amounts of material on all aspects of the nuclear energy subject that it seemed more practical to cite them in their entirety.

Nuclear Safety. v.13- 1971- (Fifth Floor Periodicals)

Power Engineering. v.78- 1974- Monthly article, Nuclear Power  
Engineering. (Fifth Floor Periodicals)

U.S. Dept. of Commerce. National Technical Information Service.  
Government reports announcements and index. v.71- 1971-  
(Report Literature Room)

U.S. Atomic Energy Commission. Nuclear science abstracts. v.1, 1948-  
v.33, April 15, 1976. (Report Literature Room)

U.S. Energy Research and Development Administration. ERDA energy  
research abstracts. v.1- 1976- (Report Literature Room)

U.S. Energy Research and Development Administration. Reactor safety  
literature search. 1975. (ER1.11:TID-3525-R 5-S9) On Order.