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A BIBLIOGRAPHY OF
NON-TECHNICAL LITERATURE ON ENERGY

PREPARED AT THE REQUEST OF
HENRY M. JACKSON, Chairman
COMMITTEE ON INTERIOR AND
INSULAR AFFAIRS

UNITED STATES SENATE

PURSUANT TO

S. Res. 45

A NATIONAL FUELS AND ENERGY
POLICY STUDY

Serial No. 92-7



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MEMORANDUM OF THE CHAIRMAN

To: Members and Ex-Officio Members of the Senate Interior and Insular Affairs Committee:

This publication is the second in a series of bibliographies which are being prepared for use in the Committee's National Fuels and Energy Policy Study pursuant to S. Res. 45.*

Included is a listing of non-technical literature relating to the energy field published in the period beginning July 1, 1969 and ending July 1, 1971. It was prepared under the direction of Senior Specialist Harry Perry by Flora Dean of the Environmental Policy Division, Congressional Research Service, Library of Congress.

HENRY M. JACKSON, *Chairman.*

*The first bibliography of this series is a compilation of Congressional publications concerned with various aspects of the energy field for the period beginning with the 89th Congress and ending July 1, 1971.

MEMORANDUM OF THE CHAIRMAN

To: Members and Ex-Officio Members of the Senate Labor and Human Resources Committee

This publication is the second in a series of publications which are being prepared for use in the Committee's National Policy Study Program pursuant to S. Res. 45.

Included is a listing of non-technical literature relating to the energy field published in the period beginning July 1, 1969 and ending July 1, 1971. It was prepared under the direction of Senior Specialist Harry Perry, Deputy Head of the Environmental Policy Division, Congressional Research Service, Library of Congress.

HENRY M. JACKSON, Chairman

This publication is a continuation of the series of publications prepared by the Congressional Research Service, Library of Congress, under the direction of the Chairman, Henry M. Jackson, for the period beginning July 1, 1969 and ending July 1, 1971.

LETTER OF TRANSMITTAL

THE LIBRARY OF CONGRESS,
CONGRESSIONAL RESEARCH SERVICE,
Washington, D.C., November 5, 1971.

Hon. HENRY M. JACKSON,
*Chairman, Committee on Interior and Insular Affairs,
U.S. Senate, Washington, D.C.*

DEAR SENATOR JACKSON: In response to your recent request, I hereby transmit a bibliography of non-technical literature in the energy field. This compilation, prepared by the Environmental Policy Division, has utilized the computer-stored data base of the Congressional Research Service.

I trust this report will make a valuable contribution in carrying out the study charter set forth in Senate Resolution 45.

LESTER S. JAYSON, *Director.*

A BIBLIOGRAPHY OF NON-TECHNICAL LITERATURE ON
ENERGY

Compiled by

FLORA DEAN

Environmental Policy Division
Congressional Research Service
Library of Congress

at the Request of

HENRY M. JACKSON, Chairman
Committee on Interior and Insular Affairs
United States Senate

November 1971

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INTRODUCTION

This bibliography was compiled through the use of the computer-stored data base of the Congressional Research Service (CRS), covering the period July 1, 1969, through July 1, 1971.

The bibliographic entries have been indexed according to the following subject outline:¹

INDEXING SCHEME

- A. National energy goals (include analysis of the role of energy in U.S. society).
- B. Energy policy issues.
- C. Projections of future demand.
- D. Resource base:
 - 1. Coal.
 - 2. Oil.
 - 3. Gas.
 - 4. Uranium.
 - 5. Thorium.
 - 6. Oil shale.
 - 7. Tar sands.
 - 8. Hydropower.
 - 9. Geothermal.
 - 10. Solar.
 - 11. Tidal.
 - 12. Wind.
 - 13. Fusion.
- E. Management of federally owned resources (leasing of Federal lands).
- F. Production of fuels (include storage):
 - 1. Coal.
 - 2. Oil.
 - 3. Gas.
 - 4. Uranium.
- G. Transportation of energy and fuels:
 - 1. Coal.
 - 2. Oil.
 - 3. Gas.
 - 4. Uranium.
 - 5. Electrical energy.
- H. Utilization (include conservation measures):
 - 1. Conversion to electricity—Fossil, Nuclear.
 - 2. Transportation sector.
 - 3. Industrial sector.
 - 4. Household and commercial sector.
 - 5. Petrochemicals.
- I. Environmental effects (relation of environmental policy to energy policy):
 - 1. Land.
 - 2. Water.
 - 3. Air.
 - 4. Solid wastes.

¹ In a few instances, bibliographic citations were not actually found for specific subjects. However, such subject headings have been retained in the index.

J. Research and development:

1. Coal.
2. Oil.
3. Gas.
4. Uranium.
5. Thorium.
6. Oil shale.
7. Tar sands.
8. Hydropower.
9. Geothermal.
10. Solar.
11. Tidal.
12. Wind.
13. Electric power generation and transmission (fusion MHD etc.).

K. Changing and Improving Regulatory Practices:

1. Public health and safety.
2. Occupational health and safety.
3. Antitrust and monopoly.
4. Rate setting.
5. Nuclear safeguards.

L. Financing, taxes and prices.

M. Regional, state, and local functions.

N. National defense.

O. Institutional structure of the energy industries.

P. Manpower.

Q. Foreign trade and foreign policy.

R. Miscellaneous.

Although some of the entries are cross indexed and appear under more than one subject heading, no attempt has been made to provide a rigorous cross index of subject matter. In order to find entries for a particular topic, all subject headings applicable to the topic should be consulted and the entry numbers noted. The actual bibliographic descriptions are listed in numerical sequence by entry numbers in the body of the committee print. The entry numbers listed are the LRS data base numbers. The two-digit prefix is the year of publication (i.e. 69-2496 refers to the year 1969 and data entry number 2496).

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70-2666	70-13629	71-5831
70-2886	70-14265	71-6002
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69-8105	70-11023	71-2649
70-2245	70-11402	71-4002
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70-3893	70-12236	71-5636
70-4980	70-12557	71-6186
70-6859	70-13350	

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70-6886	70-13629	71-1311
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69-7366	70-12330	71-5071
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70-8688	70-16685	71-5972

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69-6336	70-8983	70-16630
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69-7504	70-9716	70-17191
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69-6905	70-10722	70-17827
69-7108	70-10783	70-17829
69-7252	70-10955	71-551
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Our crazy, costly life with oil quotas. *Fortune*, v. 79, June 1969: 105-107, 175-176, 180, 182.

LRS69-2717

Through the Northwest Passage.

Petroleum press service, v. 36, July 1969: 244-247.

"Humble is sending the largest U.S. flag tanker around the north of North America to probe the possibility of marketing North Slope oil by this adventurous route."

LRS69-2760

Zybenko, Roman.

Fuel and power resources. *Studies on the Soviet Union*, v. 8, no. 1, 1968: 9-13.

"Until recently, Soviet Central Asia was considered to be a region poor in power resources, but investigations conducted over the last ten years have produced evidence to the contrary."

LRS69-2785

Smith, William D.

Conquering the Northwest Passage. *Finance*, v. 87, July 1969: 28-31.

"To reach this market the three pioneers on the slope have made the most adventurous commercial decision in many decades—to try to traverse the Northwest Passage by tanker."

LRS69-2803

Gordon, Mitchell.

Ice palace: oil producers have struck it rich in Alaska. *Barron's*, Apr. 14, 1969, p. 3, 18-19, 21-24, 26-27, 29.

Summarizes the current situation in Alaskan oil.

LRS69-2998

Sweden's energy policy.

OECD observer, no. 40, June 1969: 43-45.

". . . gives some points in a report based on the statement prepared in the fall of 1967 by the Swedish authorities."

LRS69-3015

Wasowski, Stanislaw.

The fuel situation in Eastern Europe. *Soviet studies*, v. 21, July 1969: 35-51.

". . . includes a discussion of: the demand for oil in Eastern Europe: the supply of oil available within Eastern Europe and the Soviet Union: competition for Soviet oil between Eastern Europe and other countries; and alternative East European policies to cope with the oil shortage."

LRS69-3041

Niblock, Robert W.

The Manhattan's mission: to open the Northwest Passage. *Undersea technology*, v. 10, July 1969; 36-37, 42-43.

LRS69-3044**Suelflow, James E.**

The FPC hydro license controversy. Public utilities fortnightly, v. 84, July 31, 1969: 28-30.

"An independent look at the controversial action adopted by the FPC in its rule-making proceeding on relicensing or 'recapture' of hydroelectric projects."

LRS69-3045**Seaborg, Glenn T.**

Looking ahead in nuclear power. Edison Electric Institute bulletin, v. 37, June-July 1969: 188-195, 231.

Author speaks ". . . in defense of nuclear power and in support of the conservation of our natural resources and the improvement of our environment."

LRS69-3046**Thies, Austin C.**

Water quality and power plants. Edison Electric Institute bulletin, v. 37, June-July 1969: 201-206.

Discusses what the industry is doing to minimize the effect of heat discharged to receiving waters from power stations.

LRS69-3047**Horton, Jack K.**

Nuclear power—promise or problem? Edison Electric Institute bulletin, v. 37, June-July 1969: 207-212.

"The opportunities available to the United States from nuclear power—from the economic, the environmental and natural resource standpoints—suggest that more promises than problems are evident in our nuclear future."

LRS69-3048**Aymond, A. H.**

Eden was a garden. Edison Electric Institute bulletin, v. 37, June-July 1969: 217-220, 231.

"Electric utility companies must improve their relationships with diverse—and sometimes misled—groups in the cause of environmental preservation or improvement."

LRS69-3049**Cohn, Herbert B.**

Cost of money and taxes in the electric power business. Edison Electric Institute bulletin, v. 37, June-July 1969: 221-227.

Author maintains that it is inequitable for a group of electric customers (22%) served by government system to pay from only $\frac{1}{5}$ to $\frac{1}{7}$ as much in their rates to cover tax and capital costs as is paid by the 78% served by investor-owned systems.

LRS69-3185**Oil find on Alaskan North Slope poses problems for industry.**

Journal of commerce, July 22, 1969. p. 1, 5.

A series of articles on the developments of new oil field, on the North Slope of Alaska. Examines difficulties of getting oil from hostile Arctic environment, its significance to the American oil market, the unprecedented voyage of the icebreaker-tanker Manhattan through the Northwest Passage.

LRS69-3186**Ross-Skinner, Jean.**

Burmah Oil: another BP? Dun's review, v. 94, Aug. 1969: 60-62.

An article about Burma Oil, a British company and the biggest private stockholder in BP. Points out that it is determined to enter the U.S. oil market.

LRS69-3349

Walker (G. H.) & Co.

A comprehensive study of the offshore contract drilling industry. New York, 1969. 31 p.

LRS69-3394

Aalund, Leo R.

Japan strives for petrochem know-how. Oil & gas journal, v. 67, Aug. 18, 1969: 63-82.

LRS69-3408

Basye, Dale E.

Alaska: land of challenge. Oil & gas journal, v. 67, Aug. 11, 1969: 105-112, 117-118, 120, 122, 126, 128, 130, 132.

If oil hunters "... can solve problems of logistics, permafrost production, oil-moving and ecology, Alaska will quickly change the face of the U.S. oil industry."

LRS69-3565

Wirtz, Richard S.

Electric-utility interconnections: power to the people. Stanford law review v. 21, June 1969: 1714-1733.

"This Note discusses the Federal Power Commission's use of its authority under section 202(b) of the Federal Power Act to order electric utilities to interconnect."

LRS69-3574

Crossman, Alfred B.

Designing offshore platforms. Oceanology international, v. 4, July-Aug 1969: 36-38.

"In the last quarter of a century, offshore drilling structures have become commonplace sights. They have opened the way to petroleum and natural gas resources that otherwise would be inaccessible. But many problems remain unsolved."

LRS69-3576

Eklund, Sigvard.

Atomic energy—key to industrial progress. Intereconomics, no. 7, July. 1969: 206-209.

An interview with the Director General of the International Atomic Energy Agency, Vienna.

LRS69-3619

Charles River Associates.

An analytical framework for evaluating the oil import quota program Prepared for Energy Policy Staff Office of Science and Technology, Executive Office of the President. Cambridge, Mass., 1969. 1 v. (various pagings)

Contains an 18 p. bibliography at end of document.

LRS69-3668

Mollenhauer, Frank H.

Offshore drilling. Oceans, v. 2, Aug. 1969: 28-31.

Discusses the different types of offshore drilling units and the growing importance of the offshore oil industry.

LRS69-3831

Prompt Congressional action is goal for: enrichment ownership law.

Nuclear industry, v. 16, Aug. 1969: 3-12.

Industry witnesses at a hearing by the Joint Committee on Atomic Energy, weigh alternatives for keeping nuclear power plants in government hands.

LRS69-3832**Congress tackles siting.**

Nuclear industry, v. 16, Aug. 1969: 13-19.

"Two power plant siting bills have been introduced in Congress . . . One is the 'Intergovernmental Coordination of Power Development and Environmental Protection Act' (S. 2752) introduced by Sen. Edmund S. Muskie (D-Me.); the other is H.R. 12585, developed by just-retired FPC Chairman Lee C. White and FPC Commissioner Lawrence J. O'Connor, Jr."

LRS69-3911**U.S. National Air Pollution Control Administration.**

Control techniques for sulfur oxide air pollutants. Washington, 1969. 122 p. (U.S. National Air Pollution Control Administration. Publication no. AP-52)

LRS69-3950**Basye, Dale E.**

Santa Barbara sparkling in wake of clean-up job. Oil & gas journal, v. 67, Aug. 25, 1969: 33-38.

Discusses the oil spill on Santa Barbara beaches and the clean-up led by Union Oil Co. of California.

LRS69-3989**Cook, Franklin H.**

United Kingdom regional boards compared. Public utilities fortnightly, v. 84, Aug. 14, 1969: 30-38.

"A performance comparison between privately owned electric purchasing companies in the United States and publicly owned British Regional utilities."

LRS69-3990**Hawkins, Clark A.**

Projecting future gas supply. Public utilities fortnightly, v. 84, Aug. 14, 1969: 39-43.

"Some doubts about the mathematical models used for projection of future natural gas supply in the United States."

LRS69-4095**El-Behairy, Mohammed.**

The Suez Canal; a symbol of power. Arab world, v. 15, June 1969: 18-23.

LRS69-4187**Boyle, C. L.**

Oil pollution of the sea; is the end in sight? Biological conservation, v. 1, July 1969: 319-329.

The causes of oil pollution, the means of cleaning up discharges, the effects on marine fauna, and prospects for the future are discussed.

LRS69-4346**Cahn, Robert.**

Alaska's oil: a nation's dilemman. Christian Science Monitor, Aug. 22, 1969, p. 10; Aug. 23, p. 5; Aug. 26, p. 1, 3; Aug. 27, p. 3; Sept. 2, p. 1, 3; Sept. 6, p. 6; Sept. 10, p.3; Sept. 12, p. 5; Sept. 15, p. 3.

"A series of articles exploring Arctic oil development and the effects on Alaska and the rest of the nation."

LRS69-4348**Sanford, David.**

Jousing with oil. New republic, v. 161, Aug. 30, 1969: 17-19.

LRS69-4491**Not enough electric power—what to do about it.**

U.S. news & world report, v. 67, Sept. 22, 1969: 85-87.

“A shortage of electricity plagues the country: some see a ‘national crisis’ coming in the near future. Still no letup is in sight as Americans continue to find more ways to use electricity. What lies ahead—”

LRS69-4495**Unnevehr, Clarence**

Is it time to review the regulatory process. Public utilities fortnightly, v. 84, Aug. 28, 1969: 15-26.

“This overview of the management of the regulatory process, both in the analysis of the scope of the issues and in the procedural context, suggests some avenues of improvement for reducing ‘regulatory lag’ and conforming decisions more directly to advance planning by the utilities.”

LRS69-4496**Stich, Robert S.**

Financial aspects of German electric utilities. Public utilities fortnightly, v. 84, Aug. 28, 1969: 27-31.

“A report on a year-long study of the financial aspects of electric industry management in West Germany.”

LRS69-4497**Barrick, Augusta I.**

Blasting for bucks. Public utilities fortnightly, v. 84, Aug. 28, 1969: 32-34.

“This is a résumé of activities that may benefit the energy industries through the peaceful use of nuclear explosions.”

LRS69-4874**Cerame-Vivas, Maximo J.**

The wreck of the Ocean Eagle. Sea frontiers, v. 15, July-Aug. 1969: 224-231.

The tanker, Ocean Eagle broke in two on the rocks off San Juan, Puerto Rico. Tells how the oil spill was handled.

LRS69-5008**Franklin, Ben A.**

Earth-crack peril growing in coal areas across the country. New York Times, Sept. 29, 1969: 1, 38.

An unpublished Bureau of Mines paper “lists 200 urban centers in 28 states—17 of them coal states and other ore-mining areas—where there is a subsidence potentia.” Article stresses the problem in Pennsylvania.

LRS69-5092**Carter, Luther J.**

Warm-water irrigation: an answer to thermal pollution? Science, v. 165, Aug. 1, 1969: 478-480.

The Eugene Water and Electric Board is conducting a warm-water irrigation project to demonstrate that warm water can be used to stimulate and enhance plant growth and to protect fruit trees from killing frosts.

LRS69-5093**The petroleum situation.**

In Remarks of Clifford P. Hansen. Congressional record [daily ed.] v. 115, Sept. 5, 1969: S10218-10219.

Article from Petroleum Situation (Chase Manhattan Bank) July 1969. Points out that U.S. is gradually losing its ability to meet its petroleum needs. Questions discouraging oil exploration by attacks on industry's financial resources, such as reducing the depletion allowance.

LRS69-5466

Petroleum Industry Research Foundation.

Economic social implications of removing the percentage depletion provision. [New York, 1969] 20 p.

LRS69-5498

Barr, Brenton M. Bater, James H.

The electricity industry of Central Siberia. Economic geography, v. 45, Oct. 1969: 349-369.

LRS69-5565

U.S. Atomic Energy Commission.

Division of Reactor Development.

Cost-benefit analysis of the U.S. breeder reactor program. Washington, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969. 98 p.

LRS69-5770

MacDonald, Ross. Easton, Robert.

Santa Barbarans cite an 11th commandment: 'thou shalt not abuse the earth.' New York times magazine, Oct. 12, 1969: 32-33, 142-149, 151, 156.

Discusses the oil spill on the Continental Shelf off Santa Barbara earlier this year, including environmental aspects.

LRS69-5810

Gilliar, Carroll L.

The Permian Basin Area Rate Cases: new landfalls in rate regulation. Natural resources lawyer, v. 2, July 1969: 193-199.

" . . . to consider the decision as it actually proceeds from past precedent to what are the practitioner's landfalls for the future, specifically for the fixing of rates and generally for the scope of judicial involvement in a federal natural resources policy."

LRS69-5811

Johnson, Thomas G.

The hearing under Section 7 of the Natural Gas Act—what now? Natural resources lawyer, v. 2, July 1969: 200-207.

"The philosophy of freezing gas prices, both for existing sales and for gas yet to be discovered for an indefinite time into the future, is not compatible with the operations of the gas industry, or the requirements of the gas consumer."

LRS69-5812

Goth, Harvey L.

Significant developments in Federal Power Commission pipeline certificate cases in 1968. Natural resources lawyer, v. 2, July 1969: 208-220.

During 1968 the FPC issued statements on 6 issues that may have a significant impact upon future natural gas pipeline certificate cases. They are: ". . . antitrust, sales competition, Commission Staff participation, Commission jurisdiction over consumer-owned pipelines, condemnation, and temporary certificates."

LRS69-5813

Reifsnyder, C. Frank.

Natural gas pipelines and the courts. Natural resources lawyer, v. 2, July 1969: 221-228.

"The words 'competition' and 'taxes' accurately summarize the most significant 1968 judicial decisions affecting natural gas pipelines."

LRS69-5892

Stelzer, Irwin M.

Rate base regulation and some alternatives. Public utilities fortnightly v. 84, Sept. 25, 1969: 17-25.

"Should the rate base method of regulating public utilities be abandoned in favor of such alternatives as the use of the operating ratio method, or no regulation at all?"

LRS69-5893

Smith, Robert.

A regulator's view on rate control. *Public utilities fortnightly*, v. 84, Sept. 25, 1969: 26-34.

"The author outlines what he believes should be the basic philosophy of a regulatory agency in dealing with the problems encountered."

LRS69-6007

Nuclear power plans for New Hampshire; a symposium.

Forest notes, no. 100, fall 1969: 2-10.

A forum consisting of 4 articles by authors with different viewpoints on nuclear power plans for New Hampshire.

Contents.—Electric power and the environment, by W. C. Tallman.—Nuclear reactors, a threat to the environment, by J. W. Parker.—The need for effective regulations, by R. P. Shapiro.—Reasonable doubt should be resolved, by Raymond Brighton.

LRS69-6065

Ewing, Robert C.

Noise abatement in refineries. *Oil & gas journal*, v. 67, Oct. 13, 1969: 83-88.

"Refiners are stepping up their noise-abatement activities. Following a survey to see where unwanted noises originate, muffling, sound barriers, reduction of vibration, and other means are being used to reduce sound levels."

LRS69-6181

Wilson, Howard.

Federal rules open new era in gulf. *Oil & gas journal*, v. 67, Oct. 20, 1969: 44-46.

"This is the second in a three-part series . . . on the new federal off-shore regulations for the Gulf of Mexico. The first article last week dealt with confidential data. Next week's will cover the pollution aspect."

LRS69-6182

Gardner, Frank J.

Russian oil exports head for squeeze. *Oil & gas journal*, v. 67, Oct. 20, 1969: 56, 58-59.

"Oil-poor Soviet-bloc states want more oil to meet soaring demand. Faced with a tight supply situation made worse by a production slump, U.S.S.R. probably will sacrifice a larger slice of western oil market."

LRS69-6185

Jacobs, W. Morton.

New goals for progress in the natural gas industry. *Public utilities fortnightly*, v. 84, Oct. 23, 1969: 23-25.

"The 51st has been an exciting year. Progress has been made. It is worth-while, however, to restate some of the major goals and to review that progress which has been made toward achieving them."

LRS69-6186

O'Connor, Lawrence J., Jr.

Gas supply and the role of the independent producer. *Public utilities fortnightly*, v. 84, Oct. 23, 1969: 26-33.

"A better understanding of the common problem facing the production, transmission, and distribution segments of the industry is required if the supply situation is to be properly defined, analyzed, and overcome."

LRS69-6187

Virden, Robert N.

Competition in the natural gas transmission industry. *Public utilities fortnightly*, v. 84, Oct. 23, 1969: 34-41.

"This article focuses on the legal and economic role of competition in the Federal Power Commission regulation of the interstate natural gas pipeline area, its extent, and its future."

LRS69-6188

Frazier, Charles H. Stelzer, Irwin M.

Competitive rate making in gas distribution. *Public utilities fortnightly*, v. 84, Oct. 23, 1969: 42-47.

"This is a discussion of competitive rate making and the application of this rate approach to the gas distribution industry. The hypotheses ventured here will be of interest to both gas and electric utility management."

LRS69-6227

Shilling, John W.

Facing the challenge of change. *Optima*, v. 19, June 1969: 104-112.

Reviews the current situation in the coal mining industry of South Africa.

LRS69-6327

Montgomery, Suzanne.

Oil pollution R&D on the rise. *Undersea technology*, v. 10, Oct. 1969: 30-31, 48-51.

"With a new funding impetus resulting from the Santa Barbara incident, oil pollution control is developing into a significant R&D market. Associate Editor Suzanne Montgomery details new Government and industry efforts toward prevention, containment and recovery of oil spills."

LRS69-6328

Schneider, Eric D.

The deep sea—a habitat for petroleum. *Undersea technology*, v. 10, Oct. 1969: 32-34, 54, 56-57.

"... examines the potential for oil deposits beneath the deep ocean floor."

LRS69-6336

Wicklein, John.

Where will you be when the lights go out—again? *Washington monthly*, v. 1, Sept. 1969: 8-22.

"Since the Northeast Blackout of November, 1965, there have been 37 major, cascading power failures across the country." Discusses what to be done, including reliability proposals before Congress.

LRS69-6386

Netschert, Bruce C. Markham, Jesse W.

Competition in the nuclear power supply industry. *Antitrust bulletin*, v. 14, fall 1969: 629-666.

Critical review of the report to the U.S. Atomic Energy Commission and the Department of Justice by Arthur D. Little, Inc. (Dec. 1968), and reply by one of the authors.

LRS69-6440

Jackson, Raymond.

Regulation and electric utility rate levels. *Land economics*, v. 45, Aug. 1969: 372-376.

"This study, using data for individual electric utilities, attempts to isolate the effectiveness of state commissions in influencing the average price per Kwh paid by residential consumers and by commercial and industrial users."

LRS69-6499

Nash, Colin E.

Thermal aquaculture. *Sea frontiers*, v. 15, Sept. -Oct. 1969: 268-276.

"The British White Fish Authority has shown the feasibility of rearing certain species of marine flatfish in an enclosed arm of a Scottish sea loch and in a warm water discharge of a coastal power plant."

LRS69-6542

Gardner, Frank J.

Africa: the free world's amazing new oil elephant. *Oil & gas journal*, v. 67, Oct. 27, 1969: 35-38.

"Set against all the Middle East countries, for example, Africa is now producing 5 million b/d of crude—that's 400,000 b/d more than the entire Middle East was producing 10 years ago today."

LRS69-6561

Dugger, Ronnie.

Oil and politics. *Atlantic*, v. 224, Sept. 1969: 66-90.

LRS69-6592

Czapowskyj, Mirosław M.

Anthracite coal-mine spoils today—forests tomorrow. *Pennsylvania forests*, v. 59, fall 1969: 81-83.

"The Forest Service, through its Northeastern Forest Experiment Station, has been involved in reclamation research on strip-mine spoils for the past 30 years and is anxious to help correct the existing situation."

LRS69-6601

Report on uranium; a reviving market. *World business*, no. 16, July 1969: 10-12.

"The past three years have seen a growing private commercial market for uranium."

LRS69-6705

The Steam-electric renaissance.

Business today, v. 4, autumn 1969: 58-61.

"California is thinking of banning gasoline powered cars after 1980, and other areas may follow suit. What will replace gasoline? Steam and electricity haven't been used since the 1920's, but their rebirth is imminent."

LRS69-6724

Holcomb, Robert W.

Oil in the ecosystem. *Science*, v. 166, Oct. 10, 1969: 204-206.

"However, it is still impossible to predict the behavior of specific oil spills, and little is known about the long-term effects of oil in the marine environment."

LRS69-6725

Clark, R. B.

Organization against oil. *New scientist*, v. 43, Sept. 25, 1969: 658-660.

"Country-wide machinery is now in operation to deal promptly with oil spillages around Britain's coasts and the Board of Trade recently took over responsibility for dealing with offshore oil slicks."

LRS69-6727

Why the oil giants are under the gun; special report.

Business week, v. 2095, Oct. 25, 1969: 82-96.

"Rising nationalism, sliding profits, and the operations of scrappy independents hurt the seven major oil companies. A new group of fast-stepping operators is likely to profit most from the oil fields that will open up during the 1970's."

LRS69-6728

Molotch, Harvey.

Santa Barbara: oil in the velvet playground. *Ramparts*, v. 8, Nov. 1969: 43-51.

The oil spill that erupted in the Santa Barbara Channel last January . . . "provided Santa Barbarans with sharp insights into the way our society is governed and into the power relationships that dictate its functions."

LRS69-6757

Sien-chong, Niu.

China's petroleum industry. *Military review*, v. 49, Nov. 1969: 23-27.

LRS69-6905

Bloom, Sandra C. Degler, Stanley E.

Federal pollution control programs: water, air, and solid wastes. [Washington, Bureau of National Affairs, c1969] 111 p. (Bureau of National Affairs. Environmental management series)

LRS69-6906

Degler, Stanley E., ed.

Oil pollution: problems and policies. [Washington, Bureau of National Affairs, c1969] 142 p. (Bureau of National Affairs. Environmental management series) Bibliography p. 104-109.

LRS69-6943

Edmond, William.

Oil begins to measure its North Slope bonanza. *Exchange*, v. 30, Nov. 1969: 1-6.

"Geography, economics, and politics will enter into the oil companies' planning on how to get the Prudhoe Bay crude out. They intend to keep their marketing options open as long as possible."

LRS69-7001

The 70's: what's coming in business, politics, labor and international affairs.

Nation's business, v. 57, Nov. 1969: 27-50.

Contents.—Business barrels toward a trillion dollar tomorrow.—Gross product by industry.—Can we meet the expanding need for energy?—Political power patterns are changing.—The next election.—The next decade for labor: face lifting and some new wrinkles.—Cold comfort from our cold war outlook.

LRS69-7079

U.S. Dept. of Health, Education, and Welfare.

The cost of clean air; first report of the Secretary of Health, Education, and Welfare to the Congress of the United States in compliance with Public Law 90-148, the Air Quality Act of 1967. Washington, U.S. Govt. Print. Off., 1969. 53 p. (91st Cong., 1st sess. Senate. Document no. 91-40)

LRS69-7107

Liversidge, Anthony.

Not enough gas in the pipeline. *Fortune*, v. 80, Nov. 1969: 120-122, 189-190.

"Natural gas now supplies one-third of the nation's energy requirements. But a prospective shortage of supplies may deflate expectations of an expansive future. And federal price regulation is not helping."

LRS69-7108

Main, Jeremy.

A peak load of trouble for the utilities. *Fortune*, v. 80, Nov. 1969: 116-119, 194, 196, 200, 205.

"The lights may go out while a sluggish industry struggles with management failures, construction delays, and growing public resistance to new plants and transmission lines."

LRS69-7132

Russia pushes gas sales westward.

Business week, no. 2093, Oct. 11, 1969: 94, 98, 102.

"If barter deals with France and Germany go through, Soviets will get Western pipe for Moving Siberian fuel."

LRS69-7154

Peterson, Eugene K.

Carbon dioxide affects global ecology. *Environmental science & technology*, v. 3, Nov. 1969: 1162-1169.

LRS69-7179

Aaronson, Terri.

Tempest over a teapot. *Environment*, v. 11, Oct. 1969: 22-27.

"Air pollution has sparked a new look at the steam car by Congressional Committees, and a favorable report on this alternative to the present automobile. There is much that is new since the Stanley Steamer." The steam engine considered by the Commerce Committee is a Rankine or vapor-cycle propulsion system.

LRS69-7252

Lyle, Royster, Jr.

The Marble Valley controversy. *National parks magazine*, v. 43, Nov. 1969: 14-17.

"Proposed pumped storage plant and reservoirs on Virginia's Calf-pasture River meet opposition from local residents and conservationists."

LRS69-7343

Aspinall, Wayne N.

Keynote on the public lands. *American forests*, v. 75, Nov. 1969: 12-15, 49.

Reviews some of the matters being studied by the Public Land Law Review Commission.

LRS69-7366

The oil and the ice . . . a billion-dollar decision.

Marine engineering/log, v. 74, Nov. 1969: 65-69, 135.

SS Manhattan ". . . has made it through the ice-filled Northwest Passage. And it is on the results of this ship's performance in the Arctic ice pack that Humble will base its decision on whether or not to build a fleet of 250,000-dwt tankers for that route."

LRS69-7410

Phillips, James G.

Alaskan oil boom. [Washington] Editorial Research Reports, 1969. 837-854 p. (Editorial research reports, Nov. 12, 1969, v. 2, no. 18)

Contents.—Problems in North Slope development.—Challenge of the Arctic environment.—Economic importance of North Slope oil.

LRS69-7436

Harris, Don.

Conservation and the courts. *Sierra Club bulletin*, v. 54, Sept. 1969: 8-9, 21.

Discuss briefly "Scenic Hudson Preservation Conference v. FPC (Storm King)" "Hudson River Expressway", "East Meadow Creek" and "Mineral King" cases that "signal the beginning of a new concern by the courts for protection of our natural resources within the limits of existing law and are the cornerstone for developing new law to improve and protect the American environment."

LRS69-7503

Smith, Fred.

The Electric Utility Task Force Report—one year later. *Edison Electric Institute bulletin*, v. 37, Oct. 1969: 317-321, 339.

A progress report on the "Electric Utility Task Force Report," published last year.

LRS69-7504

Millsap, Ralph H.

Nuclear energy's environmental advantages. *Edison Electric Institute bulletin*, v. 37, Oct. 1969: 333-336.

LRS69-7527

U.S. President's Panel on Oil Spills.

The oil spill problem: first report. [Washington] U.S. Office of Science and Technology [1969] 25 p.

"The United States does not have at this time sufficient technical or operational capability to cope satisfactorily with a large scale oil spill in the marine environment." Bibliography, p. 24.

LRS69-7529

Alaskan oil in focus.

Magazine of Wall Street and business analyst, v. 124, Sept. 27, 1969: 22-24.

"The Prudhoe Bay discovery a year ago made a major change in the future of Alaskan oil. Estimates indicate it will emerge as the leading oil-producing state in the nation with about 42 percent of U.S. recoverable reserves."

LRS69-7533

Tennessee Valley Authority.

A quality environment in the Tennessee Valley. Knoxville, Tenn., 1969. 29 p.

LRS69-7580

Benedict, Roger W.

North Slope gamble. Wall Street Journal, Nov. 17, 1969, p. 1, 14.

"Winning oil land bid in Alaska took study, guesswork and a hunch; how two companies decided on the \$72.3 million offer that won choicest tract; will it be bonanza or bust?"

LRS69-7624

Soviet Union faces 1970 energy deficit.

Chemical & engineering news, v. 47, Nov. 24, 1969: 28-30.

"In 1970, the Soviet Union will face an energy deficit of about 160 million metric tons of coal equivalent. This is the major conclusion of a report recently released in Paris by a group of French government experts from the Centre National du Commerce Extérieur."

LRS69-7691

Caldwell, Lynton K.

A national policy for the environment; a special report together with a statement by Senator Henry M. Jackson. In U.S. Congress. Senate. Committee on Interior and Insular Affairs. U.S. Congress. House. Committee on Science and Astronautics. Joint House-Senate colloquium to discuss a national policy for the environment. Washington, U.S. Govt. Print. Off., 1968. p. 87-127.

Also reprinted in Congressional Record, [daily ed.] Oct. 8, 1969, p. S12126-S12136.

LRS69-7733

Francis, David R.

Senate liberals zero in on tax loopholes of oil industry. Christian Science monitor, Oct. 6, 1969, p. 11; Oct. 10, p. 12; Oct. 16, p. 17; Oct. 21, p. 11; Oct. 25, p. 18; Oct. 31, p. 7; Nov. 6, p. 10; Nov. 21, p. 15; Nov. 24, p. 17; Nov. 26, p. 22.

A series of 10 articles on the oil industry emphasizing its tax problems, its security role, import quotas, and the problems of the independent producer.

LRS69-7835

Clark, John R.

Heat pollution. National parks magazine, v. 43, Dec. 1969: 4-8.

A discussion of thermal pollution. "More important than the absolute limit of tolerance of a given organism, or even the ability of a population of one species to survive, is the ability of the ecosystem to work smoothly."

LRS69-7864

U.S. Atomic Energy Commission.

Division of Industrial Participation.

The nuclear industry, 1969. [Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969] 338 p.

Partial contents.—Nuclear industry highlights.—Private ownership and toll enriching.—Raw fuel materials.—Materials processing and fabrication.—Nuclear components and equipment.—Reactors.—Radioisotopes and radiation.—Plowshare-peaceful uses of nuclear explosives.

LRS69-8105

Natural gas: its impact on the energy market in OECD Europe.

OECD observer, no. 42, Oct. 1969: 37-41.

LRS69-8150

Bishop, Jerry E.

Taming the H-Bomb. Wall Street Journal, Dec. 3, 1969, p. 1, 26.

Physicists edge closer to controlled release of energy from fusion: cheap, boundless power seen as result; gains reported toward sustained reaction: Russians make key advance."

LRS69-8208

Bockel, Jeanne.

The elusive polluter. Science news, v. 96, Nov. 22, 1969: 480-481.

The physiological effects of carbon monoxide are discussed.

LRS69-8240

Bickley, John H.

REA financing and the Bureau of Reclamation. Public utilities fortnightly, v. 84, Dec. 4, 1969: 15-25.

"An analysis of REA financing of G & T loans and its relationship to the U.S. Bureau of Reclamation operations."

LRS69-8241

Brown, Herbert H.

Multiple use of utility rights of way. Public utilities fortnightly, v. 84, Dec. 4, 1969: 26-30.

"This article is a look at the regulatory and legislative aspects of the multiple use of rights of way by public utilities . . . 'Utilidors'—corridors that the natural gas, electric, communications, and the water industries might share in common for new facilities—is one consideration for utility planning."

LRS69-8307

Charlier, Roger Henri.

Tidal energy. Sea frontiers, v. 15, Nov.-Dec. 1969: 339-348.

"On November 26, 1966, on the Rance River in Brittany, near the erstwhile pirate town of St. Malo, the cofferdams were removed from the turbines of the first hydroelectric plant to use the energy of the tides. Full operation of the plant began in 1967."

LRS69-8310

States make headway on mine drainage.

Environmental science & technology, v. 3, Dec. 1969: 1237-1239.

"Priorities for control programs must be based on assessment of problems. FWPC is conducting nationwide inventory of sources, and industries and universities are studying mechanisms of acid formation and control methods."

LRS69-8487

Organization for Economic Cooperation and Development.

European Nuclear Energy Agency.

Organisation and general regime governing nuclear activities. [Paris, 1969] 240 p.

At head of title: Nuclear legislation; analytical study.

LRS69-8496**Hunter, Robert E.**

The Soviet dilemma in the Middle East, part II: oil and the Persian Gulf. London, Institute for Strategic Studies, 1969. 18 p. (London, Institute for Strategic Studies. Adelphi paper no. 60)

LRS69-8564**McCaul, Julian.**

The black tide. *Environment*, v. 11, Nov. 1969: 2-16.

"Offshore drilling and the growth of tanker traffic portend a steady increase in pollution of the seas with oil. We are already dumping as much hydrocarbons in oil spills as are produced by all the oceans' plant life. A review of the results of the Santa Barbara and the Torrey Canyon episodes holds some surprises."

LRS69-8855**Edison Electric Institute.**

Questions and answers about the electric utility industry [New York, 1969] 40 p. 1969-70 edition.

LRS69-8857**Jensen, Albert C.**

Fish and power plants. *Conservationist*, v. 24, Dec.-Jan. 1969-1970: 2-6.

"The Storm King Mountain pumped-storage project generated intense controversy and a study of the fish life near Cornwall-on-the-Hudson. Here are the results."

LRS69-8926**Hilpert, Lowell S.**

Uranium resources of Northwestern New Mexico. Washington, U.S. Geological Survey, 1969. 166 p. (U.S. Geological Survey. Professional paper no. 603)

"A description of the stratigraphic and structural relations of the various types of uranium deposits in one of the world's great uranium-producing regions."

LRS69-8929**Weisberg, Barry.**

Raping Alaska. *Ramparts*, v. 8, Jan. 1970: 25-33.

"Oil exploration and production proceed in Alaska without any projected land use plan, without any legislative priorities for growth." We cannot allow this uncontrolled exploitation to ruin the natural ecology of the land.

LRS69-8931**Acid Mine drainage: an expensive problem to solve.**

Appalachia, v. 2, Aug. 1969: 20-24.

Summary of the report by the Appalachina Regional Commission identifying ". . . the effects acid mine drainage pollution has had on the economic growth of the region."

LRS69-9069**National Academy of Sciences.**

Washington, D.C. Committee on Resources and Man.

Resources and man. [Washington, c1969] 259 p. (National Academy of Sciences, Washington, D.C. Committee on Resources and Man. Publication no. 1703)

LRS69-9071**Ford Motor Company.**

Technical Information Services.

The control of automobile emissions. Rev. [Dearborn, Mich., 1969] 12 p.

LRS69-9210**Wilson, Howard M.**

Biggest U.S. crude line beset with growing pains. Oil & gas journal, v. 67, Dec. 22, 1969: 17-21.

"Capline . . . [moves] . . . Louisiana crude to Midwest refineries."

LRS69-9211**Davis, Hamilton E.**

Municipal gains in New England. Public power, v. 27, Dec. 1969: 16-17, 20, 22.

"Public systems have won concessions from companies in struggle for power role . . ."

LRS69-9285**Herfindahl, Henry.**

Water power in Alaska; a bibliography. [Juneau, Alaska] U.S. Dept. of the Interior, Alaska Power Administration [1965] 15 1.

LRS69-9384**Rich, Spencer.**

The power of oil. Progressive, v. 33, Sept. 1969: 19-23.

Offers an examination of the oil industry's import quotas and depletion allowance. Article is also reprinted in CONGRESSIONAL RECORD, Sept. 5, 1969, p. S10226-S10228, and Sept. 19, 1969, p. S10948-S10950

LRS69-9387**Ferguson, George E.**

Combatting water pollution from large oil spills. Journal American Water Works Association, v. 61, Dec. 1969: 678-680.

"The waterworks industry is more vulnerable to inland spills. Water utilities must ready themselves for quick action against such spills, which often find operators inexperienced in handling them." Has a brief list of references.

LRS70-10**Eastlund, Bernard J., Gough, William C.**

The fusion torch: closing the cycle from use to reuse. [Washington] U.S. Atomic Energy Commission, Division of Research, 1969. 22 p.

References, p. 20-22.

LRS70-13**Glaser, Peter E.**

Beyond nuclear power—the larger-scale use of solar energy. Transactions of the New York Academy of Sciences, v. 31, Dec. 1969: 951-967.

"The following discussion of the future use of solar energy does not predict; it defines an alternative to guide the planning of future power-generating capacity so we will not deteriorate the quality of our 'space-ship' earth."

References, p. 966-967.

LRS70-49**Litke, Arthur L.**

Uniform accounting in the future? Federal accountant, v. 18, Dec. 1969: 38-52.

"A look at the past, present and future of uniform accounting as seen by the Chief Accountant, Federal Power Commission."

LRS70-144**Alaska's \$50-billion boom.**

Forbes, v. 104, Nov. 15, 1969: 30-36, 41-42, 46.

"The 49th state's boom is a threefold phenomenon of capital equipment, oil and minerals—in that order. Everyone wants in. But can everyone get in?"

LRS70-280**Polach, Jaroslav G.**

Nuclear power in Europe at the crossroads. *Bulletin of the atomic scientists*, v. 25, Oct. 1969; 15-18, 20.

LRS70-281**Fermi, Laura.**

Cars and air pollution. *Bulletin of the atomic scientists*, v. 25, Oct. 1969: 35-37.

LRS70-316**Gallagher, J. P.**

Oil and gas potential on the North Slope. *Financial analysts journal*, v. 25, Nov.-Dec. 1969: 44-56.

"This article puts the Prudhoe Bay discovery into the larger perspective of other oil and gas reserves in the Arctic, and discusses the prospects for transporting and marketing Arctic oil in the U.S. and Canada."

LRS70-469**Cook, Franklin H.**

Public ownership: United Kingdom versus United States. *Public utilities fortnightly*, v. 84, Dec. 18, 1969: 26-34.

"This is an investigation of public power under the Regional boards of England and Wales, and the Tennessee Valley Authority and non-TVA distributing electric utilities in the United States."

LRS70-526**Search for the steam-driven car.**

U.S. news & world report, v. 68, Jan. 19, 1970: 60-61.

"Worry about traffic fumes is giving urgency to a wide range of experiments with 'clean burning' fuels. One result: a comeback for steam-powered autos may lie ahead."

LRS70-682**Gross, Edward.**

Driving with methane. *Science news*, v. 97, Jan. 17, 1970: 73-74.

"A system that uses both gasoline and natural gas can cut air pollution."

LRS70-738**O'Donnell, John P.**

Changes slow pipeline construction. *Oil & gas journal*, v. 68, Jan. 19, 1970: 51-55.

An assessment of the present status of oil and gas pipeline construction, and prospects for the '70s.

LRS70-816**U.S. President, 1969- (Nixon).**

Acid mine drainage in Appalachia. Message . . . transmitting the Appalachian Regional Commission's report, acid mine drainage in Appalachia, pursuant to the provisions of section 302(b) of the Appalachian Regional Development Act, volume 3. Washington, U.S. Govt. Print. Off., 1969. 1 v. (various pagings). (91st Cong., 1st sess. House. Document no. 91-180)

Contents.—Appendix D, the impacts of mine drainage pollution on location decisions of manufacturing industry in Appalachia.—Appendix E, impact of mine drainage on recreation and stream ecology, with bibliography p. 109-144.—Appendix F, the biological and ecological effects of acid mine drainage, with bibliography, p. 48-62.

LRS70-984

Kafoglis, Milton. Keig, Norman.

New policies of the Federal Power Commission. *Land economics*, v. 45, Nov. 1969: 385-391.

"In this article it is maintained that regulatory institutions and relationships at state and local levels may frustrate federal regulation and that, unless the Federal Power Commission is able to penetrate and affect these institutions, the recent increase in federal activity may serve to aggravate an already difficult problem."

LRS70-1015

Stern, Peter M.

How to survive the environmental squeeze. *Electrical world*, v. 173, Jan. 26, 1970: 22-27.

"Northeast Utilities vice president says utilities must change their management philosophy if they want to live with the new 'environmentalism'."

LRS70-1020

Ritchings, F. A.

Co-ordinating a doubled industry. *Public utilities fortnightly*, v. 85, Jan. 15, 1970: 19-28.

"A very high degree of co-ordination among the utilities, the regulatory agencies, and the public will be essential if the public service companies are to develop as expected, and to provide essential services reliably."

LRS70-1021

Welch, Francis X.

Washington outlook for utilities in 1970. *Public utilities fortnightly*, v. 85, Jan. 1, 1970: 13-19.

"Following an annual custom of some years, this writer again ventures his 'forecast' for coming events in Congress and the federal agencies on a variety of fronts of interest to all public utilities."

LRS70-1083

American Mining Congress.

Coal division.

Report on coal technology—1969. [Washington, 1969] 2 v.

"1969 Coal Convention, May 4-7, Pittsburgh, Pennsylvania."

LRS70-1111

Fay, James A.

Oil spills: the need for law and science. *Technology review*, v. 72, Jan. 1970: 32-35.

"The control of marine oil pollution is hampered by inadequate research and by economic constraints, but properly designed legislation could do much to discourage the polluter."

LRS70-1150

Energy for the world's technology.

New scientist, v. 44, Nov. 13, 1969: 1-24.

"The fuel industries are continually searching for more efficient ways of finding, extracting, and using fuel, and this feature section of *NEW SCIENTIST* reflects some of the aspects of that work." Specific articles on coal, fuel cells, nuclear power.

LRS70-1155

Trillin, Calvin.

U.S. journal: Kentucky. *New Yorker*, v. 45, Dec. 27, 1969: 33-36.

Brief survey of the controversy over the practice of strip-mining in eastern Kentucky.

LRS70-1376**McLaughlin, Robert F.**

Mine safety legislation: a history of neglect. *Boston College industrial and commercial law review*, v. 11, Dec. 1969: 31-45.

"It is the purpose of this comment to investigate the adequacy of present state and federal mining laws and to advance the basic proposition that strong federal legislation is required to establish and enforce uniform, mandatory health and safety standards for coal mines."

LRS70-1379**Hogan, Frances X.**

The Hickenlooper Amendments: Peru's seizure of International Petroleum Company as a test case. *Boston College industrial and commercial law review*, v. 11, Dec. 1969: 77-89.

"... Congressional intent behind the [Hickenlooper] Amendments is weighted in favor of the American investor in foreign countries at the possible expense of foreign relations. The IPC situation indicates that the importance of foreign relations may frustrate this Congressional intent."

LRS70-1380**Jensen, Eric.**

Hard lessons on a far Slope. *Field & stream*, v. 74, Feb. 1970: 12, 14, 16, 20, 24, 115.

Author is concerned about North Slope oil exploration which is scaring the Arctic landscape and may upset the delicate balance of nature there.

LRS70-1478**Middleton, J. B.**

Improving appearance of transmission R/W. In Extension of remarks of John P. Saylor. *Congressional record [daily ed.]* v. 115, Nov. 24, 1969: H11343-H11344.

In the September issue of TRANSMISSION AND DISTRIBUTION, the author "outlines the program his environment improvement conscious company is undertaking to beautify power transmission lines."

LRS70-1501**Pullen, Thomas C.**

Icebreaker: saga of Northwest passage. [Interview] *U.S. news & world report*, v. 68, Feb. 9, 1970: 72-75.

"Now that the first tests are over, is the day any closer when the Arctic's oil riches will reach markets through seas blocked for centuries? For answers to such questions, Capt. Thomas C. Pullen, veteran of the Royal Canadian Navy's Arctic patrol, was interviewed by Nathan J. Margolin of U.S. NEWS & WORLD REPORT."

LRS70-1546**Minick, W. Ted.**

Oil and gas taxation—the dirge of the Abercrombie doctrine. *Southwestern law journal*, v. 25, Aug. 1969: 589-595.

LRS70-1573**Park, W. G., Wood, S. O., Jr., Carrales, M., Jr.**

Heavy oil reservoirs in Arkansas. [Washington] U.S. Bureau of Mines, 1969. 162 p. (U.S. Bureau of Mines. Information circular 8428)

LRS70-1669**Davidson, Paul.**

The depletion allowance revisited. *Natural resources journal*, v. 10, Jan. 1970: 1-9.

LRS70-1670

Due, John F.

The developing economies, tax and royalty payments by the petroleum industry, and the United States income tax. *Natural resources journal*, v. 10, Jan. 1970: 10-26.

LRS70-1671

Erickson, Edward W.

Crude oil prices, drilling incentives and the supply of new discoveries. *Natural resources journal*, v. 10, Jan. 1970: 27-52.

Partial contents.—Significant trends.—The price of crude oil.—Crude oil production.—Crude oil reserves.—Total drilling activity.—Exploratory drilling.—Discoveries.—Market demand prorationing.

LRS70-1672

Kahn, Alfred E.

The combined effects of prorationing, the depletion allowance and import quotas on the cost of producing crude oil in the United States. *Natural resources journal*, v. 10, Jan. 1970: 53-61.

"To summarize: price, production control and the depletion allowance determine the equilibrium level of excess capacity in the industry: that is to say, they determine the equilibrium level of cost. In light of these considerations, it seems to me the current cry in the industry for higher prices, further cutbacks in imports and a higher depletion allowance are steps in precisely the wrong direction"

LRS70-1673

Lovejoy, Wallace F.

Oil conservation, producing capacity, and national security. *Natural resources journal*, v. 10, Jan. 1970: 62-96.

"The purpose of this paper is twofold: (1) to examine the question of whether state oil conservation regulations can be relied on to provide the necessary amounts of idle well-head producing capacity to meet national security needs: and (2) to present a methodology for estimating the costs of maintaining given amounts of idle producing capacity."

LRS70-1674

McDonald, Stephen L.

Distinctive tax treatment of income from oil and gas production. *Natural resources journal*, v. 10, Jan. 1970: 97-112.

LRS70-1675

Mead, Walter J.

The system of government subsidies to the oil industry. *Natural resources journal*, v. 10, Jan. 1970: 113-125.

LRS70-1676

McGeorge, Robert L.

Approaches to state taxation of the mining industry. *Natural resources journal*, v. 10, Jan. 1970: 156-170.

LRS70-1990

Wyant, William K., Jr.

Sharing the wealth of Alaska—the oil rush. *New republic*, v. 162, Feb. 14, 1970: 19-21.

Summarizes the current situation (with Congress attempting to decide how much of the new state's wealth its aborigines are to get, and with a strong tide for conservation of aesthetic, cultural, scenic and wilderness values) as the oil industry awaits issuance of permit for construction of a pipeline from the North Slope to the Gulf of Alaska.

LRS70-2046

A New river. Environment, v. 12, Jan.-Feb. 1970: 36-40.

"The nuclear power plants now planned for the shores of the Great Lakes will discharge heated water equal to the volume of flow of the Mississippi River at its mouth."

LRS70-2116

U.S. President, 1969- (Nixon).

Message on environment. Message . . . outlining legislative proposals and administrative actions taken to improve environmental quality. [Washington, U.S. Govt. Print. Off.] 1970. 14 p. (91st Cong., 2d sess. House. Document no. 91-225)

"Therefore, I am today outlining a comprehensive, 37-point program, embracing 23 major legislative proposals and 14 new measures being taken by administrative action or Executive Order in five major categories:—Water pollution control.—Air pollution control.—Solid waste management.—Parklands and public recreation.—Organizing for action."

LRS70-2245

Zaffarano, R. F., and others.

Supply and demand for energy in the United States by states and regions, 1960 and 1965: integrated energy balances and energy flows. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969] 546 p. (U.S. Bureau of Mines. Information circular 8434)

LRS70-2246

U.S. General Accounting Office.

Change proposed in interest rate criteria for determining financing costs of federal power program, Department of the Interior, Department of the Army: report to the Congress by the Comptroller General of the United States. [Washington] 1970. 32 p.

LRS70-2249

Seaborg, Glenn T.

The nuclear plant and our energy needs. Public utilities fortnightly, v. 85, Feb. 12, 1970: 19-26.

"The chairman of the Atomic Energy Commission discusses nuclear power and some of the problems that have concerned both the public and industry."

LRS70-2250

McTague, Peter J.

The environmental war. Public utilities fortnightly, v. 85, Feb. 12, 1970: 27-35.

"An observation on the dilemmas for all utilities posed by environmental considerations and 'environmentalists.'"

LRS70-2251

Reichle, Leonard F. C.

Nuclear power—1970-80. Public utilities fortnightly, v. 85, Feb. 12, 1970: 36-43.

"The author predicts that nuclear stations soon will be the predominant type of power producer among larger-size units during the 1970's."

LRS70-2252

Kostuik, John.

Uranium in the seventies. Public utilities fortnightly, v. 85, Feb. 12, 1970: 44-50.

"This is a discussion of the mineral uranium and its potential as a primary energy resource."

LRS70-2397

Battelle Memorial Institute, Columbus, Ohio.

Pacific Northwest Laboratory, Richland, Wash.

A review and comparison of selected United States energy forecasts; prepared for the Executive Office of the President, Office of Science and Technology, Energy Policy Staff. Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969 (i.e., 1970] 79 p.

LRS70-2474

Stormont, David H.

Auto's role as major U.S. air polluter near an end. Oil & gas journal, v. 68, Feb. 23, 1970: 57-60.

"This downgrading in the antiknock requirement of 1971-model cars will be a major step toward cars that are essentially pollution-free."

LRS70-2545

Palisades PWR Power Station—a special survey.

Nuclear engineering international, v. 15, Jan. 1970: 27-42.

Partial contents.—Palisades PWR nuclear power station, by K. Swarts.—Sitework & plant construction, by J. Lescoe.—Steam and power conversion system, by K. Swarts.

LRS70-2666

Does Uncle Sam give a dam?

Consumer report, v. 35, Mar. 1970: 170-173.

"Congress has a rare chance to end private exploitation of a vast public resource," hydroelectric power.

LRS70-2667

Metzger, Peter.

Project Gasbuggy and Catch-85. New York times magazine, Feb. 22, 1970: 26-27, 79, 84.

In Colorado, "citizens have brought suit to enjoin the A.E.C. from flaring contaminated natural gas . . . from a well triggered by an underground nuclear explosion."

LRS70-2702

Luce, Charles F.

Power for tomorrow: the siting dilemma. Record of the Association of the Bar of the City of New York, v. 25, Jan. 1970: 13-26.

Considers the dilemma between protection of the environment and location of electric power plants in the New York City metropolitan area, the present law, and possible improvements.

LRS70-2886

Cook, Franklin H.

Is public power the answer? Public utilities fortnightly, v. 85, Feb. 1970: 20-30.

"A comparative study of the publicly owned and privately owned electric utilities in the United States."

LRS70-2892

Kinney, Gene T.

Nixon shelves tariff plan, asks congressional review. Oil and gas journal, v. 68, Mar. 2, 1970: 25-30.

Contains highlights and discussion on the Cabinet Task Force on Oil Import Controls.

LRS70-2916

Myers, Phillip S.

Nation's cost/benefit ratio weighs heavily on auto emissions. SAE journal, v. 78, Mar. 1970: 20-27.

"Man's additions of pollutants to the atmosphere are rapidly becoming very important. We must be concerned because 60% of United States pollution comes from automobiles alone."

LRS70-2917**California Air Resources Board adopts tight emission standards for 1975 cars sold in California.**

SAE journal, v. 78, Mar. 1970: 28-32.

"Exhaust emission standards are tightened for 1975 light vehicles sold new in California. Technological feasibility of various techniques and alternative engines for attaining these low emission rates is evaluated."

LRS70-2944**U.S. Federal Power Commission.**

Bureau of Natural Gas.

The gas supplies of interstate natural gas pipeline companies, 1968. Washington, 1970. 103 p.

LRS70-2945**U.S. Federal Power Commission.**

Bureau of Natural Gas.

A staff report on national gas supply and demand. Washington, 1969. 110 p. References, p. 107-110.

LRS70-2946**Gross, Edward.**

Getting set for a black gold rush. Science news, v. 97, Feb. 14, 1970: 177-179.

"Three oil companies are eager to build the 800-mile Trans-Alaska Pipeline, learning as they go."

LRS70-3019**Gruber, Michael.**

The new Northwest Passage. Sea frontiers, v. 16, Jan.-Feb. 1970: 2-12

"When the huge icebreaker bow of the S.S. Manhattan crashed through the last of the ice blocking Prince of Wales Strait and burst into the open water of Amundsen Gulf, it meant the end of a long and dramatic story."

LRS70-3026**Averitt, Paul.**

Coal resources of the United States, Jan. 1, 1967. Washington, U.S. Geological Survey [for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1968. 116 p. (U.S. Geological Survey. Bulletin 1275)

References, p. 101-112.

LRS70-3077**U.S. President's Panel on Oil Spills.**

Offshore mineral resources: a challenge and an opportunity; second report of the President's Panel on Oil Spills, 1969. [Washington, U.S. Office of Science and Technology, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969] 12 p.

LRS70-3103**Gabrielson, Ira N.**

Oil pollution. National parks magazine, v. 44, Mar. 1970: 4-9.

"We need recognition of the fact that the direct and allied activities of the oil industry represent a substantial threat to the environment and that precautions are needed at every stage of the exploration, extraction, and handling of oil."

LRS70-3105**Kuhnke, Hans-Helmut.**

The long-term energy supply. Intereconomics, no. 2, Feb. 1970: 50-54.

"The structure of the energy consumption in the six EEC-countries varies and is subject to the different influences of the national and supranational energy policy."

LRS70-3122

Rasmussen, Donald L.

Black lung in southern Appalachia. *American journal of nursing*, v. 70, Mar. 1970: 509-511.

LRS70-3179

Tussing, Arlon R., Erickson, Gregg Z.

Mining and public policy in Alaska: mineral policy, the public lands and economic development. Fairbanks, Institute of Social, Economic and Government Research, University of Alaska, 1969. 125 p. (Alaska. University. Institute of Social, Economic and Government Research. SEG report no. 21) Bibliography: p. 91-101.

LRS70-3203

Zelnick, Robert.

The oil rush of '70. *New York times magazine*, Mar. 1, 1970: 26-27, 54-56-57, 61-62, 68-69, 71.

"Alaska has been turned upside down by the discovery beneath the frozen tundra of the richest treasure trove in U.S. history."

LRS70-3291

U.S. Bureau of Reclamation.

Bureau of Reclamation project feasibilities and authorizations: a compilation of findings of feasibilities and authorizations for Bureau of Reclamation projects through the Ninetieth Congress: cumulative supplement of the 1957 edition, 1968. [Washington] 1968 [i.e., 1969] 595 p.

LRS70-3342

McHale, John.

World energy resources in the future. *Futures*, v. 1, Sept. 1968: 4-13.

LRS70-3556

Healy, Nicholas J.

The International Convention on Civil Liability for Oil Pollution Damage, 1969. *Journal of maritime law and commerce*, v. 1, Jan. 1970: 317-323.

"The Brussels Convention on Civil Liability for Oil Pollution Damage provides a method of financing the cost of cleaning up all but the most catastrophic discharges of oil from seagoing vessels which do not fall within a very limited group of exceptions."

LRS70-3606

Wiggins, J. Russell.

Oil casts shadow upon the waters. *Washington post*, Mar. 15, 1970, p. B1-B2.

The former Editor of the WASHINGTON POST and now publisher of the Ellsworth (Maine) American writes on the harm to the sea caused by accidents and by oil put into the sea by normal operations.

LRS70-3611

Healy, Nicholas J.

The C.M.I. and IMCO draft conventions on civil liability for oil pollution. *Journal of maritime law and commerce*, v. 1, Oct. 1969: 93-105.

"Prompted by the Torrey Canyon disaster, in April 1967 the British Government submitted a note to the International Maritime Consultative Organization (IMCO), suggesting changes in international maritime law relating to liability for pollution by oil, and possibly other noxious and dangerous cargoes."

LRS70-3635

U.S. National Air Pollution Control Administration.

Air quality criteria for carbon monoxide. Washington [For sale by the Supt. of Docs. U.S. Govt. Print. Off.] 1970. 1 v. (various pagings). (U.S. National Air Pollution Control Administration. Publication no. AP-62).

LRS70-3762

Snow, Donald L.

Standards needs in controlling radiation exposure of the public. *American journal of public health and the nation's health*, v. 60, Feb. 1970: 243-349.

LRS70-3773

U.S. General Accounting Office.

Opportunity for benefits through increased use of competitive bidding to award oil and gas leases on federal lands, Department of the Interior; report to the Congress by the Comptroller General of the United States. [Washington] 1970. 59 p.

LRS70-3811

Organizational and group behavior in disasters.

American behavioral scientist, v. 13, Jan.-Feb. 1970: 325-456.

Partial contents.—The Department of Public Works: adaptation to disaster demands.—The Red Cross: organizational sources of operational problems.—The Salvation Army: emergency operations.—military organizations in natural disaster: established and emergent norms.—A selected annotated bibliography of social science studies on disasters.

LRS70-3893

Rogers, Walter E.

Is there a national shortage of gas in our future? *Public utilities fortnightly*, v. 85, Mar. 26, 1970: 17-22.

"The author says the natural gas supply situation is one of the more pressing problems of the industry."

LRS70-3894

Bagge, Carl E.

Broadening the supply base of the gas industry. *Public utilities fortnightly*, v. 85, Mar. 26, 1970: 23-32.

"A national policy alternative to continued producer price regulation is proposed."

LRS70-3895

Lippitt, Henry F., II.

State and federal regulatory agencies—conflict or co-operation? *Public utilities fortnightly*, v. 85, Mar. 26, 1970: 33-38.

LRS70-3897

Frisk, Frank W., Jr.

Antitrust gains reported. *Public power*, v. 28, Mar. 1970: 10-12, 26.

Discusses the role of the antitrust laws in the electric industry. Points out that ". . . now, the Sherman Antitrust Act and the Clayton Act are opening new opportunities for eliminating practices, which impede the growth of a pluralistic, competitive electric industry consistent with securing the advantages of largescale generation and transmission for all electric utilities."

LRS70-3916

Rice, Edward.

Asian journal: heat from the earth. *Vista*, v. 5, Mar.-Apr. 1970: 44-47.

Concerning the development of geothermal energy, point out that "the work in Turkey is the first to be done on a scientific and large-scale basis."

LRS70-3924

U.S. Cabinet Task Force on Oil Import Control.

The oil import question; a report on the relationship of oil imports to the national security. Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 399 p.

LRS70-3925**Knoll, Erwin.**

The oil lobby is not depleted. *New York times magazine*, Mar. 8, 1970: 26-27, 103-109.

An article about the "close and continuing contacts between oil and politics." Discusses the oil industry's complex lobbying apparatus and several perquisites, like the import-quota system and depletion and tax preferences that the industry wishes to protect.

LRS70-4132**Nevel, Donald E. Weeks, W. F.**

The voyage of the S.S. "Manhattan". *Military engineer*, v. 62, Mar-Apr. 1970: 80-82.

"When the S.S. Manhattan sailed out of the Delaware River from Chester, Pennsylvania, and headed north in late August 1969, it was the first attempt by a commercial vessel to traverse the fabled Northwest Passage."

LRS70-4190**Soviet gas: lengthening pipelines to Western industry.**

Business abroad, v. 95, Mar. 1970: 11-13, 34.

"Out in the Siberian marshlands the Russians have struck a natural gas bonanza whose spreading effects could touch the international petroleum industry, the USSR's hard-cash buying power, and even the competitive position of Western Europe in world trade."

LRS70-4203**Turner, S. E., McCullough, C. R., Lyerly, R. L.**

Industrial sabotage in nuclear power plants. *Nuclear safety*, v. 11, Mar.-Apr. 1970: 107-114.

"The evaluation of the potential threat of sabotage considered (1) historical precedents, (2) the opinions of experienced and knowledgeable individuals, (3) motivation and likely extent of knowledge of various types of saboteurs, and (4) an assessment of the probability and possible consequences of a number of postulated sabotage acts, as well as the level of damage necessary to create a public hazard."

LRS70-4204**McClain, W. C., Bradshaw, R. L.**

Status of investigations of salt formations for disposal of highly radioactive power-reactor wastes. *Nuclear safety*, v. 11, Mar.-Apr. 1970: 130-141.

LRS70-4207**Biological implications of the nuclear age.**

[Washington] U.S. Atomic Energy Commission, Division of Technical Information, 1969. 341 p.

"Proceedings of a symposium held at Lawrence Radiation Laboratory, Livermore, California, Mar. 5-7, 1969."

LRS70-4209**U.S. Atomic Energy Commission.**

Annual report to the Congress . . . for 1969. Washington, U.S. Govt. Printing. Off., 1970. 347 p. (91st Cong., 2d sess. Senate. Document no. 91-51)

LRS70-4238**Redeker, J. A.**

Ending the U.S. uranium monopoly. *Technology review*, v. 72, Mar. 1970: 12-13.

"Three European nations have agreed on a plan to develop ultra-centrifuge plants which may ultimately supply most of the enriched uranium fuel for Europe's increasing nuclear power capacity."

LRS70-4286**U.S. Dept. of the Interior.**

Office of Oil and Gas.

The Middle East petroleum emergency of 1967. Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 2 v.

LRS70-4290**U.S. Federal Power Commission.**

Bureau of Power.

Steam-electric plant construction cost and annual production expenses—1968 supplement. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969 [i.e. 1970] 171 p.

LRS70-4533**Berk, Ivan P.**

The investor-owned electric utility industry—1963-73. Public utilities fortnightly, v. 85, Apr. 9, 1970: 21-27.

"This article examines the component costs, revenues, and capital development of the investor-owned electric utilities in the U.S."

LRS70-4534**Farris, Martin T.**

The incidence of public utility taxes. Public utilities fortnightly, v. 85, Apr. 9, 1970: 28-33.

LRS70-4610**101st Annual Survey & Outlook of Mineral Commodities.**

Engineering and mining journal, v. 171, Mar. 1970: 69-159.

Partial contents.—Gold.—Silver.—Aluminum.—Rare earths.—Uranium.—Mercury.—Vanadium.—Cobalt.—Thorium.—Chrome ore.—Nickel.—Platinum group metals.—Iron ore and steel.—Copper.

LRS70-4667**U.S. Bureau of Mines.**

Minerals yearbook 1968: Volume I-II: metals, minerals, and fuels. [Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1969] 1208 p. (91st Cong., 1st sess. House. Document No. 91-22, Parts 1 and 2)

LRS70-4753**Camp, Charles B.**

Engine trouble. Wall Street journal, Mar. 31, 1970, p. 1, 22.

"Detroit pushes search for answer to problem of pollution by autos; makers press modification of present engine, study electric and steam power; taking the zip out of cars."

LRS70-4803**Musgrove, Peter J. Wilson, Alan D.**

Power without pollution. New scientist v. 45, Mar 5, 1970: 457-459.

"Heat energy can be converted directly into electricity with high efficiency by sweeping charged particles through an electric field in a stream of gas. The size of this electrodynamic generator does not affect its efficiency and the potential is for a silent, low-pollution power supply."

LRS70-4977**Air pollution: what is being done about it?**

Government executive, v. 2, Apr. 1970: 68-70.

An interview with Dr. John T. Middleton, Commission of the National Air Pollution Control Administration.

LRS70-4980

The Space available: a report from the Committee for Environmental Information.
Environment, v. 12, Mar. 1970: 2-9.

"An examination of one aspect of the United States' economy—electric power production—shows that we may soon exceed the physical limits of the world environment. If other countries are to approach our present standard of living we must find ways to reduce per capita consumption of energy soon." Article based on testimony by Dr. Malcolm Peterson before the Joint Congressional Committee on Atomic Energy, Jan. 29, 1970.

LRS70-5007

Frye, John.

Thermal pollution? Sea frontiers, v. 16, Mar.-Apr. 1970: 85-95.

"Aquatic biologists and the federal government, through its power to approve state-established water quality standards, are alarmed at what rising power demands may mean in terms of increased heating of the aquatic environment."

LRS70-5092

Keating, Bern.

North for oil: Manhattan makes the historic Northwest Passage. National geographic magazine, v. 137, Mar. 1970: 374-391.

LRS70-5145

Geer, M. R.

Disposal of solid wastes from coal mining in Washington, Oregon, and Montana. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1969. 39 p. (U.S. Bureau of Mines. Information circular 8430)

LRS70-5146

Rogers, Marianne P., comp.

List of Bureau of Mines publications on oil shale and shale oil, 1917-68. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1969. 61 p. (U.S. Bureau of Mines. Information circular 8429)

LRS70-5147

Williams, Frank E. Russell, Paul L. Sheridan, M. J.

Potential applications for nuclear explosives in a shale-oil industry. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1969. 37 p. (U.S. Bureau of Mines. Information circular 8425) Bibliography, p. 34-37.

LRS70-5194

Brownmiller, Susan.

Con Ed's Charles Luce: all power (sometimes) to the people. New York times magazine, Apr. 12, 1970: 34-35, 77, 79, 82, 84, 86, 90, 94, 112-113.

"America's largest electric, gas and steam utility company has found a leader to give it a new face and new ideas—but not yet an answer to old questions."

LRS70-5264

Tokuhata, George K., and others.

Pneumoconiosis among anthracite coal miners in Pennsylvania. American journal of public health and the nation's health, v. 60, Mar. 1970: 441-451.

The study indicated that pneumoconiosis is caused by dust exposure, aging, smoking, and other factors.

LRS70-5272

Dale, Edwin L., Jr.

The economics of pollution. New York Times magazine, Apr. 19, 1970: 27-29, 40, 42, 44, 47.

"The hard fact is: growth of production is the basic cause of pollution growth."

LRS70-5337**Glaser, Peter E.**

Solar energy—an alternative source for power generation. *Futures*, v. 1, June 1969: 304-313.

Space technology has uncovered a new power source. "The technical and scientific possibilities of satellite conversion systems are outlined and evaluated" in this article.

LRS70-5460**Rapoport, Roger.**

Catch 24,400 (or, plutonium is my favorite element). *Ramparts*, v. 8, May 1970: 16-21.

The author protests against the AEC's tight control over how much information about the health hazards of nuclear testing actually reaches the public. Rocky Flats, Colorado, is discussed as a case in point.

LRS70-5494**U.S. National Air Pollution Control Administration.**

Air quality criteria for hydrocarbons. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 1 v. (various pagings). (U.S. National Air Pollution Control Administration. Publication no. AP-64)

Partial contents.—Nature, sources, and principles of control of atmospheric hydrocarbon.—Relationship of atmospheric hydrocarbons to photochemical air pollution levels.—Effects of hydrocarbons and certain aldehydes on vegetation.—Toxicological appraisal of hydrocarbons and aldehydes.

LRS70-5551**Interstate Oil Compact Commission.**

Engineering Committee.

Principles of petroleum conservation: a report; a summary of principles of petroleum conservation related to the regulation of oil and gas production. Oklahoma City [1969] 10 p.

Selected bibliography, p. 9-10.

LRS70-5659**Lapham, Lewis.**

Alaska: politicians and natives, money and oil. *Harper's magazine*, v. 240, May 1970: 85-102.

LRS70-5668**Mankoff, Ronald M. Franklin, William F.**

Planning needed to overcome detrimental effect of new law on oil and gas. *Journal of taxation*, v. 32, May 1970: 282-285.

LRS70-5830**Hoffman, George A.**

Future electric automobiles. *Technological forecasting*, v. 1, fall 1969: 173-183.

"In conclusion, an economical form of pollution-free and quiet urban individual transportation appears to be the widespread use of electric autos by the end of this century.

LRS70-5889**Vermont. Committee to Study Electric Energy and Nuclear Generating Plants in Relation to the Vermont Environment.**

Electrical energy generating plants and the Vermont environment: report of the committee to study proposal no. 36. [Montpelier] Legislative Council of the State of Vermont, 1969. 19 1.

LRS70-6135**California. Air Resources Board. Technical Advisory Committee.**

Post-1974 auto emissions: a report from California. *Environmental science & technology*, v. 4, Apr. 1970: 288-294.

"... a study to determine the necessity and technological feasibility of establishing stronger vehicle emissions standards following the year 1974."

LRS70-6138

McMullin, R. J., and others.

Power and the environment. Public power, v. 28, May 1970: 8-17, 28, 30.
 Contents.—“Thinking environment,” by R. McMullin.—“A new form
 of competition,” by S. Freeman.—Environmental concern is major
 problem, by L. White.—Conservation in use of coal, by J. Grahl.

LRS70-6164

Gustafson, Philip F.

Nuclear power and thermal pollution: Zion, Illinois. Bulletin of the atomic
 scientists, v. 26, Mar. 1970: 17-23.

“In this article, the technical problems of power production and
 pollution are examined . . .”

LRS70-6265

Sparling, Richard C., Anderson, Norma J., Winger, John G.

Capital investments of the world petroleum industry—1968. [New York]
 Chase Manhattan Bank [1969] 32 p.

“. . . petroleum industry's capital investments in 1968 were larger
 than ever before. The over-all expenditure amounted to 17.9 billion
 dollars—2.3 billion more than in 1967.”

LRS70-6343

Ramey, James T., Murray, James P., Jr.

Delays and bottlenecks in the licensing process affecting utilities: the role,
 of improved procedures and advance planning. Duke law journal, v. 1970,
 Feb. 1970: 25-44.

“It seems likely that in the next few years some legislation will be
 enacted to provide for more comprehensive consideration of power plant
 siting matters and at the same time ensure reliable and abundant quan-
 tities of electric power. Advance planning mechanisms utilizing regional
 means of considering power needs in relation to environmental require-
 ments are urgently required.” Discusses “Scenic Hudson” case.

LRS70-6369

National Coal Association.

Why is coal in very tight supply? What can be done about it? Washington
 [1970] 5 p.

“The real causes for the tight coal supply, as seen from the coal
 industry's standpoint, are set forth in this document.”

LRS70-6406

U.S. Dept. of Health, Education, and Welfare.

The cost of clean air; second report of the Secretary of Health, Education,
 and Welfare to the Congress of the United States in compliance with Public
 Law 90-48. Washington, U.S. Govt. Print. Off., 1970. 104 p. (91st Cong.,
 2d sess. Senate. Document no. 91-65)

LRS70-6407

U.S. Dept. of Health, Education, and Welfare.

Progress in the prevention and control of air pollution; third report of
 the Secretary of Health, Education, and Welfare to the Congress of the
 United States in compliance with Public Law 90-148. Washington, U.S.
 Govt. Print. Off., 1970. 39 p. (91st Cong., 2d sess. Senate. Document no.
 91-64)

LRS70-6495

Sinclair, Mary P., comp.

Nuclear power & public concern: statements & questions. Midland,
 Mich., 1970. 52 p.

LRS70-6510

Natural monopoly and its regulation: [comments and reply] Stanford law review,
v. 22, Feb. 1970: 510-546.

Comments by W. Comanor, J. Swidler, and W. Shepherd on Feb., 1969,
 article by R. Posner, and reply.

LRS70-6542

Barry, Charles B.

Here's what's being done to combat sulfur-oxide air pollution. Oil & gas journal, v. 68, May 11, 1970: 63-67.

LRS70-6600

Wagner, James R. Corrigan, Richard.

Federal Power Commission. National journal, v. 2, Apr. 11, 1970: 778-790.
 "This study is the sixth in a series on Cabinet-level departments and independent regulatory agencies."

LRS70-6603

Edison Electric Institute.

Committee on Environment. Plant Siting Task Force.

Major electric power facilities and the environment. [n.p.] 1970. 31 l.

LRS70-6636

Ohio. Development Dept.

The nuclear industry in Ohio; an aid to encourage and promote growth and understanging of nuclear applications in Ohio. Columbus, 1969. 70 p.

LRS70-6693

Educational Facilities Laboratories.

Total energy: a technical report. [New York, 1967] 53 p. (Educational Facilities Laboratories. Technical report no. 2).

"This report deals with a new approach to onsite power generation providing school buildings with heating in winter and cooling in summer as well as light and power all year round."

LRS70-6812

Hughes, Ralph C. Hunt, William A. Pearn, William H.

Solids pipeline holds promise. Oil and gas journal, v. 68, May 25, 1970: 70-72, 77.

"Slurry pipelines should become an integral part of the overall development of natural resources. It has been predicted that by 1980, which is tomorrow, some 8 billion ton-miles of bulk material will move by solid pipelines annually."

LRS70-6816

Friendly, Alfred.

Nature won first round against oil pollution. Washington Post, May 24, 1970, p. B2.

"Penzance, Cornwall—The Torrey Canyon disaster provides stunning evidence of nature's tremendous recuperative power. Three years after the event, its effects can be detected only by the most experienced marine biologist."

LRS70-6817

International Electric Vehicle Symposium, 1st, Phoenix, 1969.

Proceedings. New York, Electric Vehicle Council 1969. 552 p. (Electric Vehicle Council. Publication no. 69-1000).

LRS70-6859

Danger of more power "blackouts."

U.S. news and world report, v. 68, Apr. 20, 1970: 48-50.

Electric shortages will upset millions of homes this summer. Utilities are pressed to meet demands for power. Opponents block new plants, claiming they hurt the environment. The impasse may become critical in some areas."

LRS70-6886

National Coal Association.

Bituminous coal data. 1969 ed. Washington, c1970. 122 p.

LRS70-6892

Arnold, Dean E.

Thermal pollution, nuclear power, and the Great Lakes. *Limnos*, v. 3, spring 1970: 3-12.

LRS70-6902

Glenn, Armon.

New King Coal. *Barron's*, v. 50, Apr. 20, 1970: 5, 12, 14-15.
"The old fossil fuel has never been in greater demand."

LRS70-6932

Holcomb, Robert W.

Power and fuel resources. *Current history*, v. 58, June 1970: 330-336, 365.

A discussion of the technology that will be utilized to transform natural fuels into power. Author discusses the most distant technology (the fusion reactors), the intermediate stage (the fission reactors), and the current technology (coal furnaces).

LRS70-7079

U.S. President, 1969- (Nixon).

Offshore oil pollution; message . . . transmitting recommendations for congressional action to reduce the risks of oil pollution. [Washington, U.S. Govt. Print. Off.] 1970. 5 p. (91st Cong., 2d sess. House. Document no. 91-340).

LRS70-7225

Ehrich, Thomas Lindley.

Power crisis. *Wall Street journal*, June 2, 1970, p. 1, 21.

"A shortage of energy threatens industries and homes across U.S.; demand already tops supply in some areas; electricity, gas, coal, oil all tight; for some: long hot summer."

LRS70-7321

Martin, Neil A.

Ore-to-core? *Barron's*, v. 50, May 4, 1970: 9, 23, 28.

An article about the Kerr-McGee Corporation. In recent years, Kerr-McGee has diversified into non-fuel minerals, natural resources and chemicals. It has entered the plant food business. Article emphasizes that it is the country's largest producer of uranium.

LRS70-7335

Tybout, Richard A., Lof, George O. G.

Solar house heating. *Natural resources journal*, v. 10, Apr. 1970: 268-326.

Detailed calculations reported in article describe solar heating system performance and potential costs in eight different cities of the United States.

LRS70-7382

Bachman, W. A.

The war on pollution. *Oil and gas journal*, v. 68, June 1, 1970: 91-98, 103, 106-107, 109-110, 112-113.

Contents.—Oil spills: where we are and where we're going, by W. A. Bachman.—New law sets stiff liability in oil spills.—Status report on cleanup regulations, by Ernest Cotton.

LRS70-7533

Fogarty, Frank.

The pain in getting the lead out of gasoline. *Exchange* v. 31, June 1970: 15-19.

LRS70-7538

The Fastest draw in the oil game.

Business week, no. 2120, Apr. 18, 1970; 62-65, 68, 72.

An article about the chairman and leading stockholder of Atlantic Richfield Co., who ". . . spends most of his time in New Mexico overseeing the cows, the mining interests, the real estate holdings, and Atlantic Richfield."

LRS70-7567**Dankevych, Michael.**

Hydroelectric power in Siberia. *Military engineer*, v. 62, May-June 1970: 184-187.

LRS70-7800**Polach, J. G.**

The development of energy in East Europe. In U.S. Congress. Joint Economic Committee. Subcommittee on Foreign Economic Policy. *Economic developments in countries of Eastern Europe; a compendium of papers*. Washington, U.S. Govt. Print. Off., 1970. p. 348-433.

Bibliography: p. 413-416.

Statistical appendix.

LRS70-7808**Nasmyth, J. A.**

The price of black gold. *Interplay*, v. 3, Apr. 1970: 43-44, 46.

A brief discussion on international oil economics. Indicates a growing tendency for making distinctions between prices paid for foreign oil that comes from secure areas and oil that comes from less secure areas.

LRS70-7825**Yearwood, Richard M.**

Land subdivision and development: American attitudes on land subdivision and its controls. *American journal of economics and sociology*, v. 29, Apr. 1970; 113-126.

LRS70-7870**Dougherty, John J.**

Control of mine fires. Morgantown, West Virginia University [c1969] 89 p.

LRS70-7872**U.S. General Accounting Office.**

Inappropriate source of power used as basis for allocating costs of water resources projects, Corps of Engineers (Civil functions), Department of the Army, Department of the Interior, Water Resources Council: report to the Congress by the Comptroller General of the United States. [Washington] 1970. 54 p.

LRS70-7880**Consolidated Controls Corporation.**

Thermionic topping converter for a coal-fired power plant. Bethel, Conn. For sale by the Supt. of Docs., U.S. Govt. Print. Off., Washington, D.C. [1970?] 80 p.

(U.S. Dept. of the Interior. Office of Coal Research. Research and development report no. 52)

LRS70-7901**Olson, Charles E. Cumberland, John H.**

Bulk power and environmental pollution. *Public utilities fortnightly*, v. 85, May 7, 1970: 21-27.

Authors note that new steam-electric generating plants may pose a threat to environmental quality.

"This article discusses the approach to the pollution problem that is embodied in the proposed 'Intergovernmental Co-ordination of Power Development and Environmental Protection Act.'"

LRS70-7904**Brown, Herbert H.**

Utility load growth, the environment, and FPC responsibility. *Public utilities fortnightly*, v. 85, May 7, 1970: 37-40.

"In the minds of many, the controversy over environmental quality is of doubtful value. It represents misplaced energies and vague ideals."

LRS70-7974**Aymond, A. H.**

Electric energy and the environment. Public utilities fortnightly, v. 85, June 4, 1970: 39-43.

The president of the Edison Electric Institute discusses why and how electric energy will become more and more significant to the overall improvement of the environment and enhancing the quality of life in America.

LRS70-7976**Sillin, Lelan F., Jr.**

A commitment to change—utilities, regulators, and conservationists. Public utilities fortnightly, v. 85, June 4, 1970: 48-54.

"The electric industry's ability to serve the national interest in the seventies will be largely dependent upon the nation's capacity to reconcile its conflict in values . . ."

LRS70-7977**Bagge, Carl E.**

Electric power: an industry in crisis and transition. Public utilities fortnightly, v. 85, June 4, 1970: 55-65.

"The sudden emergence of the chronological milestone of a new decade is always an interesting period for an industry's reevaluation of the events of the past decade and redefinition of the goals of the new decade."

LRS70-7986**Ehrlich, Shelton.**

Air pollution control through new combustion processes. Environmental science and technology, v. 4, May 1970: 396-400.

"The new technology suggested here for oil involves combustion at an elevated pressure."

LRS70-7991**Gatchell, Willard W.**

The portent of changes in attitudes in FPC regulation. Public utilities fortnightly, v. 85, June 18, 1970: 13-22.

Article gives some "firsthand impressions of the pulse beats of an administrative, legislative, and judicial process as developed during the growth of two utility industries closely related to the life of our people—gas and electricity."

LRS70-7992**Priest, A. J. G.**

Major milestones for the FPC. Public utilities fortnightly, v. 85, June 18, 1970: 23-32.

"A survey of major FPC developments of the past five decades, spiced with personal recollections."

LRS70-7993**Eckles, Robert B.**

What now—Federal Power Commission? Public utilities fortnightly, v. 85, June 18, 1970: 33-37.

"It is contended that there are indications from within the Federal Power Commission that there may be a need for vital fundamental changes in concepts of what the Commission should do in regulating electric and gas companies."

LRS70-8095**Stolzman, Lois.**

"Get the lead out" campaign puts pressure on four key U.S. industries. Industrial marketing, v. 55, June 1970: 54, 56-57.

"Anti-pollution crusaders lean heavily on mining industry, chemicals and petroleum producers, auto makers to quit fouling our air."

LRS70-8100

Miller, John T., Jr.

A needed reform of the organization and regulation of the interstate electric power industry. *Fordham law review*, v. 38, May 1970: 635-672.

LRS70-8104

Bylin, James E.

Boom to gloom. *Wall Street journal*, June 18, 1970, p. 1, 4.

"A variety of problems stymie development of Alaska's oil riches: road and pipeline to serve North Slope are delayed: joblessness has soared: the losses are rising daily."

LRS70-8135

Seaborg, Glenn T.

Energy and environment—a rational outlook. In Extension of remarks of Ed Edmondson. *Congressional record [daily ed.]* v. 116, Apr. 21, 1970: E3458-E3459

LRS70-8163

The War on pollution.

Oil and gas journal, v. 68, June 15, 1970: 97-104, 109, 112-114, 116-117, 120, 122.

Partial contents.—Air-quality control takes on a major role in oil operations.—UOP's radial manifold converter.—Du Pont's exhaust-manifold thermal-reactor system.—Ethyl's lean-reactor car.—How to make lead-free gasoline.

LRS70-8247

Geothermal growing as a power source. *Electrical world*, v. 173, June 22, 1970: 32-34.

"New power source for developing nations is foreseen by the UN as a wave of new interest develops in geothermal power. Pacific G-E leads the way with 600 Mw by 1975."

LRS70-8273

Notes on industry's oil spill control activities.

Ocean industry, v. 5, June 1970: 46-48.

LRS70-8333

Sage, Bryan L.

Oil and Alaskan ecology, *New scientist*, v. 46, Apr. 1970: 175-177.

A biologist maintains that the proposed oil pipeline from Alaska's North Slope is unlikely to do any harm.

LRS70-8375

Pollution: threat to life.

Rural electrification, no. 9, June 1970: 14-46.

Partial contents:—New environment for the electric industry, by Phil Sawicki.—where shall they line, by J. L. Sundquist.—Power and pollution, by Senator E. S. Muskie.—Landscapes without lines.

LRS70-8507

Newman, David R.

Air pollution. *Current history*, v. 59, July 1970: 18-22, 49.

LRS70-8511

America's polluted environment.

Current history, v. 59, July 1970: whole issue.

Contents.—Our ecological crisis, by C. Quigley.—Solid wastes and land pollution, by F. Burtico.—Air pollution, by D. Newman.—Water pollution, by H. Lieber.—Pollution and a concerned public, by G. Nelson.—Private interests and public lands, by R. Gilmour.—Suggested readings on the environment, part 2, by J. Hansen. This is the second of three sequential feature issues on the environment.

LRS70-8587

Currie, David P.

Motor vehicle air pollution: state authority and federal pre-emption. Michigan law review, v. 68, May 1970: 1083-1102.

"It is the purpose of this Article both to stimulate the abolition of the pre-emption provision and to explore the areas that are presently open for state regulation." Article in a symposium on control of environmental hazards.

LRS70-8592

The conservationists and the public lands: administrative and judicial remedies relating to the use and disposition of the public lands administered by the Department of the Interior.

Michigan Law review, v. 68, May 1970: 1200-1253.

"An examination of the administrative procedures governing the public lands and of the administrative and judicial treatment of disputes arising under those procedures suggests the existence of needless complexity and of vast administrative discretion subject to no adequate control by either the courts or the executive."

LRS70-8594

Jurisdiction—atomic energy—federal pre-emption and state regulation of radioactive air pollution: who is the master of the atomic genie?

Michigan Law review, v. 68, May 1970: 1294-1314.

"Although conflict between federal and state regulation of radiation hazards has existed for several years, the suit in the federal district court in Minnesota presents the first opportunity for an adjudication of the question whether the AEC is the exclusive regulator of air pollution from atomic power operations."

LRS70-8607

U.S. Federal Power Commission.

Electric utility depreciation practices, 1966. Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 41 p.

LRS70-8633

Kinney, Gene T.

Sweeping change sure for laws governing U.S. lands. Oil and gas journal, v. 68, June 29, 1970: 21-23.

"Federal takeover of proration on the Outer Continental Shelf was urged last week by the Public Land Law Review Commission."

LRS70-8639

Graham, Frank, Jr.

The dilemma of Machiasport. Audubon, v. 72, July 1970: 106-111.

"The challenge in Maine is much greater than saving the unspoiled coast from oil; conservationists must show that people count, and that the right industry can be found."

LRS70-8688

Alaskan oil: ecology vs. industrial progress.

Magazine of Wall Street, v. 126, June 6, 1970: 9-12, 35.

Discusses the factors that have prevented the flowing of oil from Prudhoe Bay in Alaska.

LRS70-8744

The war on pollution.

Oil and gas journal, v. 68, June 29, 1970: 85-92, 97-98, 100, 102, 104, 109-110, 112, 114.

Contents.—Activated carbon cleans effluents.—How Humble handles its waste waters at Benicia.—New oxygenation process promises cheaper second-stage treating.—Amoco launches two-pronged attack on pollution.

LRS70-8769**Why utilities can't meet demand.**

Business week, no. 2100, Nov. 29, 1969: 48-53, 56, 60, 62.

"Spiraling consumption, coal shortages, lack of labor, and late and faulty equipment are behind today's power cuts; caught with their kilowatts down, utilities pin hopes on nuclear stations, despite cries from conservationists."

LRS70-8791**Mann, Thomas C.**

Clean air and the automobile. Parks & recreation, v. 5, June 1970: 16-18 61.

A short account of what has been done to reduce automobile emissions

LRS70-8793**Anderson, Earl V.**

Petrochemical feedstock. Chemical & engineering news, v. 48, June 15, 1970: 18-27.

"The Chemco-PetroChem combined group of 25 companies plan to import more foreign feedstock." Reviews the oil import situation as it affects the petrochemical industry.

LRS70-8983**U.S. Federal Power Commission.**

Bureau of Power.

A review of Consolidated Edison Company 1969 power supply problems and ten-year expansion plans. [Washington] 1969. 89 p.

LRS70-8995**Hargreaves, Reginald.**

The vital fluid. Military review, v. 50, July 1970: 63-69.

Discusses the politically strategic role petroleum resources play in various countries.

LRS70-8996**Air pollution symposium.**

Washington University law quarterly, v. 1968, spring 1968: whole issue.

This student symposium "... attempts to analyze generally the problems of governmental regulation of air pollution at all levels."

LRS70-8998**Carpenter, Richard A.**

Information for decisions in environmental policy. Science, v. 168, June 12, 1970: 1316-1322.

LRS70-9019**Sawyer, Robert F.**

Reducing jet pollution before it becomes serious. Astronautics & aeronautics, v. 8, Apr. 1970: 62-67.

LRS70-9024**Cook, Donald C.**

Capability of electric utilities to fulfill future needs. Public utilities fortnightly, v. 86, July 16, 1970: 17-23.

"A comprehensive review of the present conditions confronting the electric utilities indicates there are some formidable challenges, but their capability to fulfill future energy needs should not be in question."

LRS70-9025**Darmstadter, Joel.**

The interindustry setting of electric and gas utilities. Public utilities fortnightly, v. 86, July 16, 1970: 24-32.

"An examination of the interindustry setting of the nation's electric and gas utility sectors, with comments on some of the principal input-output characteristics of each."

LRS70-9026

Melicher, Ronald W.

Financing electric utilities: the value of common stock warrants. *Public utilities fortnightly*, v. 86, July 16, 1970: 33-73.

"It is the purpose of this article to suggest a means of alleviating some of the financing problems facing electric utilities."

LRS70-9158

Buckman, David.

North Sea report. *Oil and gas journal*, v. 10, May 1970: 36-38, 40-42, 44-45, 48-50, 52, 54-55, 57-58, 61-62.

A collection of short articles on the recent oil find in the North Sea, and what it means for countries involved.

LRS70-9167

U.S. President, 1969- (Nixon).

Santa Barbara Channel Oil Leases, etc.; message . . . requesting passage of legislation to terminate oil exploration leases in the Santa Barbara Channel and to create a Marine Sanctuary. [Washington, U.S. Govt. Print. Off., 1970] 2 p. (91st Cong., 2d sess. House. Document no. 91-349)

LRS70-9292

Spaulding, Arthur O., and others.

Californians tackle statutory unitization. *Oil and gas journal*, v. 68, July 6, 1970: 83-91.

"California may be unique among major oil-producing states in not having a cosmopolitan law requiring compulsory unitization of oil-producing properties after a reasonable percentage of competing operators have agreed to a unit plan of development."

LRS70-9293

Berreby, Jean-Jaques.

Oil in the Orient: Syria's offensive against Saudi Arabia—U.S. oil link. *New Middle East*, no. 22, July 1970: 12-13.

"The Tap-Line linking Saudi Arabia with Syria and the Lebanon must now be considered as nonexistent; should the Syrians decide to allow the reopening of it so much the better, if not, it will have to be forgotten."

LRS70-9348

Greene, A. M.

What's happening to fuel cells? *Iron age*, v. 205, Mar. 19, 1970: 57-59.

"The promises of the last decade never materialized: research programs have been dropped. But, the potential of fuel cells is still alive and waiting for someone to tap it—at the right price."

LRS70-9363

Natural bodies of water for cooling.

Chicago, Sargent & Lundy, 1970. 16, [32] 1.

A paper "Prepared and delivered at program sponsored by Atomic Industrial Forum Inc. and Electric Power Council on Environment entitled 'Thermal Considerations in the Production of Electric Power.' "

LRS70-9367

Williams, Ian.

Radioactive waste management; principles determining disposal practices. *OECD observer*, no. 45, Apr. 1970: 31-36.

LRS70-9430

U.S. Federal Water Quality Administration.

Water quality standards: enforcement and compliance. Washington, 1970. 26 1.

A paper presented at the June 29, 1970 program on Thermal Considerations in the Production of Electric Power, sponsored by the Atomic Industrial Forum and the Electric Power Council on Environment.

LRS70-9583

U.S. National Goals Research Staff.

Toward balanced growth: quantity with quality. Washington [For sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1970. 228 p.

LRS70-9605

Falck, Edward.

The natural gas auto and clean air. Public utilities fortnightly, v. 86, July 2, 1970: 38-42.

LRS70-9716

Ripley, Anthony.

Atomic power: a bitter controversy. New York times, July 16, 1970, p. 1, 20.

Discusses the growing controversy over the nation's atomic technology at a time when there is a little known, far-reaching and rapid expansion of atomic applications for both peace and war. Points out that the critics are brought together by the conviction that the mechanisms for public control of atomic energy have broken down.

LRS70-9777

To keep the lights burning.

Forbes, v. 106, July 15, 1970: 22-26, 29.

"Rarely have the power companies faced more serious problems than they do today. But there are solutions, both short-range and long: rate increases, for one; large-scale mergers, for another."

LRS70-9778

Linden, Henry R.

Current trends in U.S. gas demand and supply. Public utilities fortnightly, v. 86, July 30, 1970: 27-38.

"An up-to-date projection of potential gas supply deficiencies based on new statistics, including reserve and production data recently released."

LRS70-9813

Morton, Walter A.

Guides to a fair rate of return. Public utilities fortnightly, v. 86, July 2, 1970: 17-30.

"This is a discussion of the various methods that have been used for determining a fair rate of return in regulatory proceedings."

LRS70-9816

Lapp, Ralph E.

Where will we get the energy? New republic, v. 163, July 11, 1970: 17-21.

Our society can no longer tolerate a laissez-faire attitude toward energy. Prudent policy requires that we consider not just the physical problems of reserves, conservation and pollution; we need to inquire into the legitimacy of our future energy demands . . . Our energy affluence is not at an end, but it is clearly approaching a crossroad unmarked by signposts, except one—CAUTION."

LRS70-10048

Alaska's dilemma

Petroleum press service, v. 37, July 1970: 241-245.

"This first of two articles on oil in Alaska deals with the ecological and environmental issues which are delaying the construction of the Trans-Alaska Pipeline. A second article will cover the history and economics of petroleum development."

LRS70-10147

Cooper, Donald H., ed.

Rural electric facts; American success story. [n.p.] National Rural Electric Cooperative Association, c 1970. 192 p.

LRS70-10313**Baldwin, Malcolm F.**

The Santa Barbara oil spill. University of Colorado law review, v. 42, May 1970: 33-76.

Contents.—Before and after the spill, a brief chronology.—The spill—magnitude, effects, cleanup.—Santa Barbara setting.—Pressures for and against leasing—the Budget Bureau, the oil companies, public opposition.—Federal statutes, procedures and agencies involved in offshore leasing decisions. Who protects the public? After the spill. Legal actions and suits pending.

LRS70-10538**Electric Council of New England.**

Electric utility industry in New England. Boston, 1970. 39 p. (Electric Council of New England. Statistical bulletin 1969)

LRS70-10607**Alexander, Tom.**

The hot new promise of thermonuclear power. Fortune, v. 81, June 1970: 94-95, 97, 126, 130-132.

"After years of disappointment and doubt, scientists working on nuclear fusion can now exult, 'nature is not against us.'"

LRS70-10722**Pollution price tag: 71 billion dollars.**

U.S. News & World Report, v. 69, Aug. 17, 1970: 38-42.

"For the first time, hard figures give the cost of cleaning up polluted air, land and water in the next five years. An exclusive study by this magazine's Economic Unit describes the mammoth task, shows who will have to pay."

LRS70-10723**Lobel, Martin.**

Red, white, blue & gold: the oil import quotas. Washington monthly, v. 2, Aug. 1970: 8-18.

Believes "... the oil import quota system—a Federal giveaway that has grown to be by far the largest of the public favors granted to the oil industry."

LRS70-10727**Lear, John.**

A progress report on smogless motoring. Saturday review, v. 53, Aug. 1, 1970: 44-45.

"California has contracted for steambus demonstrations in three cities by September of 1971. Other advanced power systems are under research."

LRS70-10731**Christenson, C. W. Emelity, L. A.**

Chemical treatment and cement fixation of radioactive wastes. Journal [of the] Water Pollution Control Federation, v. 42, July 1970: 1343-1350.

LRS70-10752**Bruton, Charles R.**

Gas-pipeline construction: a proposal for environmental protection. Stanford law review, v. 22, May 1970: 1073-1093.

Gas pipelines—[U.S.]/Environmental engineering—[U.S.]/Environmental law and legislation—[U.S.]/U.S.

LRS70-10771**Lear, William P.**

The steam car: Mr. Lear combusts externally. Professiona engineer, v. 40, Aug. 1970: 48-49.

The creator of the automatic pilot, the Lear jet, and a mile-long list of other technical items gives his views on the steam-powered auto.

LRS70-10772

International Legal Conference on Marine Pollution Damage, Brussels, 1969.

Final Act . . . with resolutions including International Convention Relating to Intervention on the High Seas in Cases of Oil Pollution Casualties and International Convention on Civil Liability for Oil Pollution Damage.

London, H. M. Stationery Off., 1970. 33 p. ([Gt. Brit. Dept. of Foreign and Commonwealth Affairs] Miscellaneous no. 8 [1970])

[Gt. Brit. Parliament. Papers by command] cmnd. 4403

LRS70-10782

Walker, Bob

Leaded gasoline: the row, rhetoric and results. *Finance*, v. 88, Aug. 1970: 17-19.

"The controversy over leaded gasoline is a good example of how tough it is to solve even a small part of the environmental crisis."

LRS70-10783

Con. Edison: case history of a polluter.

Finance, v. 88, Aug. 1970: 26-28, 55-56.

"The clash between rising power demands and new pollution laws vexes the nation's utilities."

LRS70-10824

Smith, Richard D.

Converting solid wastes to electricity. *Environmental science & technology*, v. 4, Aug. 1970: 631-633.

Combustion Power Co. of Menlo Park, California has developed a system which "consumes 400 tons per day of solid waste . . . to produce 15,000 kilowatts of electricity."

LRS70-10835

O'Neill, Donald.

Switch to unleaded fuel offers benefits, poses problems. *Automotive engineering*, v. 78, Aug. 1970: 27-31.

LRS70-10837

Blumer, Max.

Oil pollution damage may be incalculable. *Washington post*, Aug. 23, 1970, p. B5.

". . . excerpted from testimony before the Senate Antitrust and Monopoly Subcommittee."

LRS70-10839

Wilson, Howard M.

Alaska report. *Oil and gas journal*, v. 68, Aug. 10, 1970: 103-110, 115-116, 118, 121-122, 126, 129, 132, 135, 139-140-142, 145-146.

"The potential is still tremendous in Alaska, but the delays caused by lack of a construction permit for Trans Alaska Pipeline is costing everyone connected with Alaska oil."

LRS70-10874

Boulding, Kenneth E.

A look at national priorities. *Current history* v, 59, Aug. 1970: 65-72, 111.

LRS70-10955

Bjornson, Bjorn.

The challenge of environmental changes. *Public utilities fortnightly*, v. 86, Aug. 13, 1970: 13-18.

A description of the encounters of Northern States Power Company with the public and the press over its operations that involve environmental problems.

LRS70-10996**Weinberg, Alvin M. Hammond, R. Philip.**Limits to the use of energy. *American scientist*, v. 58, July-Aug. 1970: 412-418.

"The limit to population set by energy is extremely large, provided that the breeder reactor is developed or that controlled fusion becomes feasible."

LRS70-10997**Thermal effects symposium provides: wealth of new data on nuclear plant cooling methods, costs.***Nuclear industry*, v. 17, July 1970: 7-15.**LRS70-10998****Barnes, Fred.**Coaltown USA. *Sunday magazine* [Washington Star] Aug. 23, 1970: 12-15, 26-27.

Description of the working conditions in the coal mining town of Grundy, Va.

LRS70-11001**Davidson, W. C.**England is cutting its air pollution. *Electrical world*, v. 174, Aug. 15, 1970: 42-44.

"Nearly 20 years of SO₂ monitoring and other experiments in power-plant diffusion techniques should be of interest to utility engineers in the U.S."

LRS70-11002**Hauser, L. G., Potter, R. F.**More escalation seen for coal costs. *Electrical world*, v. 174, Aug. 15, 1970: 45-48.

"Evaluations of future generation plants should include a close analysis of expected fuel price trends. This is a major conclusion of our recent study of the effects of escalation on future utility fuel costs. Coal was found to be extremely sensitive to escalation."

LRS70-11022**Special report on Phenix—France's breeder demonstration plant.***Nuclear industry*, v. 17, July 1970: 20-23.**LRS70-11023****Radin, Alex.**Fuel shortages spread. *Public power*, v. 28, Aug. 1970: 5-6, 22.

"We face serious and widespread shortages [in coal, oil, and natural gas]."

LRS70-11025**Foxworth, Robert.**Emerging "giant". *Barron's*, v. 50, July 20, 1970: 9, 14.

"The North Sea looms as a major source of Europe's oil."

LRS70-11026**Aymond, A. H.**Electric energy serves all the demands of the 1970's. *Commercial and financial chronicle*, v. 211, June 18, 1970: 5, 12.

Electric Power Industry's spokesman outlines the acceleration of investments underway to meet monumental growing needs with most concern being given to the environmental quality of our life."

LRS70-11051**Scheibla, Shirley.**

The FPC has produced no solution to the shortage of natural gas. Barron's v. 50, June 1, 1970: 5, 19-20.

FPC Commissioner Carl E. Bagge wants ". . . to make the public aware of the impending very serious national shortage of natural gas due to the Commission's control of producer prices." Discusses the problems involved in the impending natural gas shortage.

LRS70-11065**Oker, Michael R.**

Public Utilities Holding Company Act of 1935—Section 10(b)(1)—public interest determinations. Case Western Reserve law review, v. 21, June 1970: 812-825.

Recent decision (Municipal Electric Association v. SEC) raises "fundamental policy question . . . whether the consideration of anti-trust principles should be an integral part of the regulatory function and, if so, are the agencies adequately equipped to consider such matters."

LRS70-11077**Health physicists indicate: more concern over medical than reactor radiation exposure.**

Nuclear industry, v. 17, July 1970: 24-28.

LRS70-11114**Beizer, James. Kaufman, K. A.**

Mining's public land prospects soar. Iron age, v. 205, June 25, 1970: 49-54.

"Exhaustive report keys use of Federally controlled resources to national well-being and makes 137 recommendations to revamp laws and administration."

LRS70-11144**McAteer, J. Davitt, ed.**

Coal mining health and safety in West Virginia. Morgantown, W. Va., 1970. 689 p.

". . . a report of a study conducted by West Virginia University law students and others on the status of health and safety in West Virginia mines."

Partial contents.—Health.—Safety.—U.S. mining laws.—West Virginia mining laws.—U.S. Bureau of Mines.—Coal and the West Virginia economy.

LRS70-11162**Schlick, Donald P. Peluso, Robert G.**

Respirable dust sampling requirements under the Federal Coal Mine Health and Safety Act of 1969. [Washington] U.S. Bureau of Mines [1970] 35 p. (U.S. Bureau of Mines. Information circular 8484).

LRS70-11180**Potential Gas Committee.**

Potential supply of natural gas in the United States; (as of December 31, 1968). [n.p., 1969] 39 p.

"Sponsored by Potential Gas Agency, Mineral Resources Institute, Colorado School of Mines Foundation, Inc., Golden, Colorado.

"This report by the Potential Gas Committee is the third biennial industry self-estimate of the potential supply of natural gas in the United States."

LRS70-11183**Aase, James H.**

Transportation of iron ore, limestone, and bituminous coal on the Great Lakes Waterway system: with projections to 1995. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970] 61 p. (U.S. Bureau of Mines. Information circular 8461)

LRS70-11230**Berreby, Jean-Jacques.**

Ending the colonial pattern; Algeria asserts leadership as oil producer. *New Middle East*, no. 23, Aug. 1970: 33-35.

LRS70-11232**Coal Mine safety: a continuing battle.**

In Extension of remarks of Ken Hechler. *Congressional record* [daily ed.] v. 116, Aug. 14, 1970: H8375-H8398.

Reprints of letters between Congressmen Hechler, Dent, and Burton, and Dept. of the Interior personnel.

LRS70-11339**U.S. Federal Power Commission.**

Hydroelectric plant construction cost and annual production expenses; twelfth annual supplement 1968. Washington, For sale by the Supt. of Docs. U.S. Govt. Print. Off., 1970. 112 p. (U.S. Federal Power Commission. FPC S-204)

LRS70-11342**Franco, Alvaro.**

Big oil province shapes up off Mexico. *Oil and gas journal*, v. 68, July 27, 1970: 72-75.

"Giant Arenque plus more than 30 mapped structures form Pemex' 1,200 sq mile find off Tampico. Sixty locations are proposed to develop Jurassic production. Slow development will aim at initial output of 60,000 b/d."

LRS70-11366**All signs pointing to an energy crisis soon.**

Oil and gas journal, v. 68, July 27, 1970: 65-69.

LRS70-11374**Engineering-Science, Inc.**

The characteristics and pollutional problems associated with petrochemical wastes; summary report. [Washington] U.S. Federal Water Pollution Control Administration, 1970. 98 p. (Water pollution control research series, 12020-2/70)

LRS70-11402**U.S. Federal Power Commission.**

South Central Regional Advisory Committee.

The 1970 National Power Survey, Federal Power Commission. Part 3. [Washington Federal Power Commission, for sale by the Supt. of Docs., U.S. Govt. Print. Off. [1970] 1 v. (various pagings).

Contents: Electric power in the South Central Region—1970-1980-1990. West Central Power survey—1970-1990. The future of power in the West Region—1970-1980-1990.

LRS70-11407**U.S. Library of Congress. Environmental Policy Division.**

The economy, energy, and the environment; a background study. Prepared for the use of the Joint Economic Committee, Congress of the United States, by the Environmental Policy Division, Legislative Reference Service, Library of Congress. Sept. 1, 1970. Washington, U.S. Govt. Print. Off., 1970. 131 p.

At head of title: 91st Cong., 2d sess. Joint Committee print.

"... surveys the existing literature relating to various technical aspects of electric power production, with primary emphasis on the supply of the various fuels used in the production of electricity and on the environmental consequences of energy conversion."

Sections on electricity were written by Dr. Warren H. Donnelly. Review of fuels availability was prepared by Dr. John K. Rose. Appendix I, Electric power, fuels development, and protection of the environment: legislation introduced in the 91st Congress, by Wallace D. Bowman. Appendix II, Published hearings and reports of Congressional committees relating to pollution and environmental quality, 1965-69. Appendix III. Selected articles on energy development, by Cheryl Prihoda.

LRS70-11459**Cupps, Stephen.**

Death by runaround. *Nation*, v. 211, Aug. 31, 1970: 146-148.

"... when several thousand coal miners walked away from their jobs this summer in protest against nonenforcement of the new law and against conditions in the mines that were in many cases actually worse than existed before the law was passed, the situation seemed only too familiar. Once again a persistent and powerful private group appears to have successfully undermined a potentially stringent piece of mine-reform legislation."

LRS70-11521**Aldrich, John W.**

Review of the problem of birds contaminated by oil and their rehabilitation. Washington, U.S. Bureau of Sport Fisheries and Wildlife, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 23 p. (U.S. Bureau of Sport Fisheries and Wildlife. Resource publication 87)

LRS70-1152**U.S. Federal Power Commission.**

Federal Power Commission interests in environmental concerns affecting the electric power and natural gas industries. Washington, 1969. 31 p.

LRS70-11575**National Board for Prices and Incomes.**

Coal prices; second report. London, H.M. Stationery Off., 1970. 96 p. (National Board for Prices and Incomes. Report no. 153)
[Gt. Brit. Parliament. Papers by command] emnd. 4455

LRS70-11576**National Board for Prices and Incomes.**

Costs and efficiency in the gas industry. London, H.M. Stationery Off., 1970. 60 p. (National Board for Prices and Incomes. Report no. 155)
[Gt. Brit. Parliament. Papers by command] emnd. 4458

LRS70-11587**Berreby, Jean-Jacques.**

Does America need Arab oil? *New Middle East*, no. 19, Apr. 1970: 9-12.

LRS70-11609**Laycock, George.**

Kiss the North Slope good-bye? It's oil country now! *Audubon*, v. 72, Sept. 1970: 58-75.

LRS70-11611**Pitts, Jim.**

Mining coal in Illinois. *Humble news*, Aug. 1970: 6-11.

"A miner moves into the darkness of a new coal mine opened in Illinois. He is part of coal's dramatic comeback as a major energy source in the United States."

LRS70-11645**McCaslin, John C.**

Canada; a special report. *Oil and gas journal*, v. 68, Aug. 31, 1970: 49-56, 58, 60, 62-53.

Canada is increasingly becoming a vital source of energy supplies for the U.S.

LRS70-11647**Rivera-Cordero, Antonio.**

The nuclear industry and air pollution. *Environmental science and technology*, v. 4, May 1970: 392-395.

LRS70-11649

Bagge, Carl E.

The quality for life: challenge to regulation. *Public utilities fortnightly*, v. 86, Sept. 10, 1970: 15-20.

LRS70-11650

McNulty, John W.

Utility aspects of antipollution taxes. *Public utilities fortnightly*, v. 86, Sept. 10, 1970: 21-24.

"So far as the utility industry is concerned, the availability of [tax] incentives to encourage investment in pollution controls may be of paramount importance to the positive contribution it can make towards cleaning up the environment and keeping it clean."

LRS70-11723

Ripley, Anthony.

Atomic power abuse: the AEC in Colorado. *Washington monthly*, v. 2, July 1970: 6-14.

This article discusses the protests against the activities of the AEC in Colorado. Specific targets of protest include the leakage of highly toxic plutonium oxide into the surrounding countryside from the AEC's Rocky Flats plant, the ill effects of Project Rulison, the high death rate among uranium miners, and the AEC's carelessness and lack of interest involving the problem of uranium mill tailings.

LRS70-11789

Finn, Richard P.

Soaring new demands for versatile L-P gas. *Commercial and financial chronicle*, v. 212, Sept. 10, 1970: 1, 9-11.

"Numerous, unforeseen new uses for LP-gas, outdistancing the still unforeseen growing original uses, spurred by suburban sprawl, have helped double the size of the industry since 1960."

LRS70-11794

Mintz, Morton. Warner, Robert K.

U.S. electric utilities: an increasing concentration of power. *Washington post*, Sept. 14, 1970, p. A2.

LRS70-11828

Cooper, D. F.

The changing pattern of energy purchasing in Europe. *Purchasing journal*, v. 27, July 1970: 32-37.

LRS70-11898

United Nations, Statistical Office.

World energy supplies, 1964-67. New York, United Nations, 1969. 104 p. (United Nations. Statistical Office. Statistical papers, ser. J. No. 12)

United Nations. [Document] ST/STAT/SER.J/12 "United Nations publication. Sales no.: E.69.XVII.14"

LRS70-11899

Schiermeier, Francis A., Niemeyer, Lawrence E.

The Large Power Plant Effluent Study [LAPPES] volume 1, instrumentation, procedures, and data tabulations [1968] Raleigh, N.C., U.S. National Air Pollution Control Administration, 1970. 410 p. (U.S. National Air Pollution Control Administration. Publication no. APTD 70-2)

LRS70-11946

Karp, Richard.

Atomic power abuse: the marginal nuclear utilities. *Washington monthly*, v. 2, July 1970: 15-22.

The Atomic Energy Commission's "... efforts to develop nuclear-powered electricity have failed: utility companies, burned more than once by AEC nuclear realtors, are going back to conventional sources of electricity."

LRS70-11948**Gardner, Frank J.**

Soviets chortle over gas riches, U.S. supply pinch. *Oil and gas journal*, v. 68, Sept. 7, 1970: 51-55.

Of 24 "virtually untapped" gas fields ". . . Soviet reports assert that proved reserves alone for the 24 fields come to more than 290 trillion cu ft. That's nearly 68% of Russia's total estimated proved gas reserves of 426.8 trillion cu ft at the beginning of 1970, and it's 15 trillion cu ft more than overall U.S. proved reserves as of that date."

LRS70-12000**Bank of New York.**

Petroleum conservation—how America is making most of its oil and gas resources. *Natural resources lawyer*, v. 3, May 1970: 272-280.

An explanation on the basis for petroleum conservation statutes.

LRS70-12001**Hall, Robert E. Lee.**

Domestic coal vs. foreign residual oil. *Natural resources lawyer*, v. 3, May 1970: 266-270.

Discusses the situation in energy sources, foreign oil and coal, since 1965, and questions the wisdom of importing increasing amounts of foreign residual oil.

LRS70-12002**Aitkens, Arthur.**

The new outer continental shelf operations and leasing regulations and oil and gas lease form. *Natural resources lawyer*, v. 3, May 1970: 298-314.

"On August 22, 1969, new regulations governing oil and gas operations and leasing in the entire United States outer continental shelf were issued by the Department of the Interior and published that same date in volume 34, no. 161, of the FEDERAL REGISTER."

LRS70-12098**Geary, Paul.**

Legal conservation—thermal pollution from a nuclear power plant—*New Hampshire v. Atomic Energy Commission*, 406 F. 2d 170 (1st Cir. 1969). *Journal of urban law*, v. 47, issue 4, 1969-1970: 895-901.

On Dec. 2, 1966 the Vermont Yankee Nuclear Power Corp. filed an application with the AEC to construct and operate a nuclear power station on the Connecticut River. New Hampshire appealed to the Court of Appeals which held that the AEC responsibility is "confined to scrutiny of and protection against hazards from radiation."

LRS70-12108

U.S. energy crisis—test of good neighbor policy? Public utilities fortnightly, v. 86, Aug. 27, 1970: 39-43.

Canada may supply the energy resources needed in the U.S.—provided we can cultivate a closer friendship with her.

LRS70-12156**Viland, C. K.**

Unleaded gasoline and smog-free autos—how and why? *Mines magazine*, v. 60, Aug. 1970: 6-10.

LRS70-12158**Meyer, John C.**

Pollution control: a conservative program. *Ideas*, v. 2, winter-spring 1970: 35-39.

"By internalizing the external diseconomies of pollution, such a tax system would bring the machinery of the free market to bear efficiently and directly on the problems of pollution. In simple terms the polluter would be made to pay through taxes for the damage he does."

LRS70-12190**Stern, Arthur C.**

National emission standards for stationary sources. *Journal of the Air Pollution Control Association*, v. 16, Aug. 1970: 524-527.

LRS70-12191**Barth, Delbert S.**

Federal motor vehicle emission goals for CO, HC and NO, based on desired air quality levels. *Journal of the Air Pollution Control Association*, v. 16, Aug. 1970: 519-523.

A paper on the subject relating motor vehicle emission standards with air quality goals. Points out that the difficulties and lack of information prevent an ideal computation of standards.

LRS70-12195**Meeks, James E., Landeck, Ronald J.**

Area rate regulation of the natural gas industry. *Duke law journal*, v. 1970, Aug. 1970: 653-706.

Contents.—Economic overview of the natural gas industry.—A brief history of Federal regulation.—Regulation of rates prior to 1960.—The Permian Basin case.—Post-Permian developments.

LRS70-12198**Melpar, Inc. Research Division.**

Environmental and Applied Sciences Center.

Oil tagging system study. [Washington] U.S. Federal Water Pollution Control Administration, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 116 p. (Water pollution control research series, 15080DJ05/70)

LRS70-12202**Gueron, Jules.**

Atomic energy in Continental Western Europe. *Bulletin of the atomic scientists*, v. 26, June 1970: 62-68, 116.

This article presents a historical survey of atomic energy in Western Europe.

LRS70-12236**Mintz, Morton.**

Electricity for the future. *Washington Post*, Aug. 23, 1970, p. A1-A2; Aug. 24, p. A1, A16; Aug. 25, p. A4; Aug. 26, p. A1, A7.

LRS70-12240**Artsimovich, L. A.**

Controlled nuclear fusion: energy for the distant future. *Bulletin of the atomic scientists*, v. 26, June 1970: 47-55.

Discusses the mastering of controlled nuclear fusion as the answer to the disappearing of energy reserves contained in organic fuel, and analyzes the physical conditions necessary for the realization of nuclear fusion.

LRS70-12279**Berreby, Jean-Jacques.**

About that Arab oil . . . does the U.S. really need it? *Atlas*, v. 19, Sept. 1970: 42-44.

"Does the United States need Arab oil? The traditional view has the U.S. over the oil barrel, locked into Arab politics by dire necessity. But Jean-Jacques Berreby, one of France's leading authorities on oil politics, thinks nothing could be further from the truth."

LRS70-12305**Boffey, Philip M.**

Gofman and Tamplin: harassment charges against AEC, Livermore. *Science*, v. 169, Aug. 28, 1970: 838-843.

Discusses the ". . . great public battle over radiation standards—which primarily pits two California scientists, John W. Gofman and Arthur R. Tamplin, against the AEC, the Federal Radiation Council and various other standards-setting bodies. . ."

LRS70-12324

Japan conducts worldwide oil hunt. *Offshore*, v. 30, Sept. 1970: 75-76, 78, 81-82.

LRS70-12325

North Sea. *Offshore*, v. 30, Sept. 1970: 58, 60, 65-66, 68, 70-72.

Contents.—North Sea development stirs Western Europe—Wildcats continue to hog the drilling spotlight.—Increased pipelining activity under-way in British sector.

LRS70-12329

Walter, Norma.

Is there a natural gas shortage? *Exchange*, v. 31, Sept. 1970: 1-8.

"The gas is in the ground, but producers claim that the financial incentive to go out and find it is missing. So, it's a pretty sure thing that natural gas prices are going to be increased . . ."

LRS70-12330

Weeden, Robert B.

Hauling and pulling in the Arctic. *Living wilderness*, v. 34, summer 1970: 8-16.

TAPS wants to construct an oil pipeline haul road in Alaska. The Department of the Interior and conservationists say no.

LRS70-12351

U.S. Environmental Health Service.

Danger in the air: sulfur oxides and particulates. [Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970] 16 p. (U.S. National Air Pollution Control Administration. Publication no. 1)

LRS70-12435

Zeller, Robert W. Rulifson, Robert L.

A survey of California coastal power plants. Portland, Oreg., U.S. Federal Water Pollution Control Administration, Northwest Region, 1970. 43 p.

The report ". . . contains detailed information on thermal power plants at seacoast locations and their impact on the environment . . ."

LRS70-12436

U.S. General Accounting Office.

Problems in developing the Atomic Energy Commission's Fast Flux Test Facility: report to the Congress by the Comptroller General of the United States. [Washington] 1970. 59 p.

LRS70-12439

Horman, Charles. Lindgren, Nilo.

How the auto industry has managed (or not managed) its crisis. *Innovation*, no. 13, 1970: 2-19.

The article refers to action taken by the auto industry against emission pollution.

LRS70-12514

Kahn, Alfred E. Loughlin, James C.

Dual pricing in southern Louisiana. *Land economics*, v. 46, Aug. 1970: 338-344.

Contents.—Dual pricing in southern Louisiana: a reply, by A. Kahn.—Dual pricing in southern Louisiana: rejoinder, by J. Loughlin.

LRS70-12528

Wheeler, Edward K. Snow, John W.

Proposals for administrative action under the Federal Coal Mine Health and Safety Act of 1969. *Natural resources lawyer*, v. 3, May 1970: 248-265.

LRS70-12529

Schmidt, Harold R.

Selected important features and background of the new Federal Coal Mine Health and Safety Act of 1969. *Natural resources lawyer*, v. 3, May 1970: 241-247.

LRS70-12536

McKie, James W.

Regulation and the free market: the problem of boundaries. *Bell journal of economics and management science*, v. 1, spring 1970: 6-26.

The problem of limiting the scope of direct regulation of public utilities: ". . . the regulated decisions affect the unregulated ones and the ultimate reactions may escape control."

LRS70-12557

McClelland, Edward L.

Electric utilities in Texas face challenge of rising demand. *Federal Reserve Bank of Dallas business review*, Aug. 1970: 3-10.

"Demand for electricity is expected to more than double in Texas over the next decade, pushing total sales for the state to 181 billion kilowatt-hours by 1980, compared with 77 billion in 1968 and an estimated 83 billion in 1969."

LRS70-12660

Klingstedt, John P.

Effects of full costing in the petroleum industry. *Financial analysts journal*, v. 26, Sept.-Oct. 1970: 79-86.

Tables and graphs.

LRS70-12738

McCaslin, John C.

Anadarko headlines superdeep U.S. drilling surge. *Oil and gas journal*, v. 68, Sept. 28, 1970: 29-32.

"The deep Anadarko basin has been chosen as the most likely place for the nation's next big gas domain . . ."

LRS70-12739

Knight, Andrew.

The big league: petrochemicals: a survey. *Economist*, v. 237, Oct. 3, 1970: whole issue.

LRS70-12836

Organization for Economic Cooperation and Development. European Nuclear Energy Agency.

Uranium: production and short term demand. A joint report by the European Nuclear Energy Agency and the International Atomic Energy Agency. Paris, 1969. 29 p.

Contents.—Present and future uranium production, country by country.—General comments on the increase of uranium production capability.—The development of uranium production and uranium demand.

LRS70-12838

Organization for Economic Cooperation and Development.

Special Committee for Oil.

Pipelines in the United States and Europe and their legal and regulatory aspects. [Paris, 1969] 31 p.

This study contrasts U.S. oil and gas pipeline experience with developments in Western Europe.

LRS70-12839

Organization for Economic Cooperation and Development.

Energy Committee.

Energy policy: problems and objectives. [Paris, 1966] 187 p.

This study focuses on the role of the governments of the member countries in forming national energy policies.

LRS70-12876**Johnson, Wilfrid E.**

Energy for tomorrow. In Extension of remarks of Catherine May. Congressional record [daily ed.] v. 116, Sept. 22, 1970: E8475-E8477.

This speech addressed to the Fifth Intersociety Energy Conversion Engineering Conference at Las Vegas discusses nuclear fuel as a solution to the energy crisis.

LRS70-12877**International Joint Commission.**

Special report on potential oil pollution, eutrophication and pollution from watercraft, April, 1970. In Extension of remarks of Jackson E. Betts. Congressional record [daily ed] v. 116, Sept. 23, 1970: H9143-H9147.

"This is the third interim report on the water pollution of Lake Erie, Lake Ontario and the International Section of the St. Lawrence River."

LRS70-12895**Electric power and the environment.**

A report sponsored by the Energy Policy Staff, Office of Science and Technology, in cooperation with Atomic Energy Commission; Dept. of Health, Education, and Welfare; Dept. of the Interior; Federal Power Commission; Rural Electrification Administration; Tennessee Valley Authority; Council on Environmental Quality. [Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1970. 71 p.

"The report proposes a four-part program for resolving the apparent conflict between power needs and environmental protection." Its basic recommendations are "a program of long-range planning in which the environmental protection agencies participate at an early stage" and an expanded research and development program.

LRS70-12960**Roberts, Keith.**

Federal Power Commission. Sierra Club bulletin, v. 55, Aug. 16, 1970: 9-11.

"Originally a conservationist triumph over exploiters, the Commission now protects the very practices it should prevent."

LRS70-12966**Healy, Nicholas J. Paulsen, Gordon W.**

Marine oil pollution and the Water Quality Improvement Act of 1970. Journal of maritime law and commerce, v. 1, July 1970: 537-572.

Article is "... primarily concerned with the oil pollution provisions of the new legislation, particularly those imposing civil liability on vessel owners and operators for expenses incurred by the Federal Government for the cost of removing oil discharged into navigable waters of the United States, or upon the adjoining shorelines, or into the waters of the contiguous zone."

LRS70-12972**Aler, Bo, and others.**

Survey of Sweden. Nuclear engineering international, v. 15, Sept. 1970: 697-713.

"The main purpose of the government sponsored nuclear development programme in Sweden has been to support the creation of an independent nuclear industry, capable of competing not only on the Swedish market but also internationally."

LRS70-12979**Interstate Oil Compact Commission.**

1969 legal report of oil and gas conservation activities. Oklahoma City [1970] 34 p.

This 21st report and the previous annual reports supplement the books, CONSERVATION OF OIL AND GAS—A LEGAL HISTORY, 1948 and CONSERVATION OF OIL AND GAS—A LEGAL HISTORY, 1948-1958 published by the American Bar Association.

LRS70-12991**Reed, John C.**

Effects of oil development in Arctic America. *Biological conservation*, v. 2, July 1970: 273-277.

If careful planning is not undertaken from the start, petroleum development will jeopardize economic, social, and environmental conditions in the Arctic.

LRS70-12995**Swearingen, John E.**

The oil imports question: key to our national future. [n.p.] 1970. 16 p.

This speech delivered by the Chairman of the Board for the Standard Oil Company (Indiana) critically reviews the recommendations of the Cabinet Task Force on Oil Import Controls.

LRS70-13002**Cobleigh, Ira U.**

Oil drilling funds to reduce your taxes. *Commercial and financial chronicle*, v. 212, Sept. 24, 1970: 1. 12-13.

LRS70-13003**Stewart, Fraizer M.**

Evaluating investment merits of oil and gas drilling programs. *Commercial and financial chronicle*, v. 212, Sept. 24, 1970: 3, 14-16.

LRS70-13066**U.S. Dept. of the Interior.**

Environmental criteria for electric transmission systems. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off. [1970] 52 p.

This report is a guide to the construction of Federal or non-Federal transmission facilities on public lands.

LRS70-13224**Air Pollution Technical Information Center.**

Nitrogen oxides: an annotated bibliography. Raleigh, N.C., U.S. National Air Pollution Control Administration [for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1970. 633 p. (U.S. National Air Pollution Control Administration. Publication no. AP-72).

LRS70-13282**Craig, James B.**

One third of the Nation's land. *American forests*, v. 76, Aug. 1970: 8-11, 34-35.

Offers some of the highlights of the report of the Public Land Law Review Commission.

LRS70-13317**Vasiliadis, Constantine M.**

Overhead utility lines: compulsory undergrounding of existing facilities in the Pennsylvania suburban community. *University of Pittsburgh law review*, v. 31, spring 1970: 514-525.

Focuses on conversion of existing overhead facilities to an all-underground system. Examines the problems faced by a Pennsylvania suburban community "in terms of the municipality's authority to legislate the conversion, the legal standards restricting that authority, and the financial problems and consequences involved in converting existing facilities."

LRS70-13347**Chersky, Nikolai. Makogon, Yuri. Belov, V.**

Solid gas—world reserves are enormous. *Oil and gas international*, v. 10, Aug. 1970: 82-84, 89-90.

"In December last year the Russians announced that vast quantities of hydrates—solid natural gas—had been discovered in the USSR." Explains the background to these discoveries and the work being done in Russia to solve permafrost problems.

LRS70-13350

Russia plans its future.

Petroleum press service, v. 37, Sept. 1970: 321-323.

The next congress of the Soviet Communist Party has been postponed. "However, plans for oil industry operations until 1975, and even until 1980, seem to have been agreed upon, at least in broad outline."

LRS70-13379

Netschert, Bruce C.

The economic impact of electric vehicles: a scenario. Bulletin of the atomic scientists, v. 26, May 1970: 29-35.

"That it is not a gloriously simple solution is made clear in Bruce Netschert's analysis of the multi-faceted effects that total electrification of land transportation would have on the economy of the Nation."

LRS70-13407

Kinney, Gene T.

FPC steering for market regulation of gas prices. Oil and gas journal, v. 68, Aug. 3, 1970: 37-41, 45.

"The Federal Power Commission is heading pell-mell in the direction of market regulation of natural-gas prices at the wellhead."

LRS70-13484

Petroleum industry pokes holes all over the world.

Industry week, v. 167, July 27, 1970: 37-43.

"Booming demand, shrinking U.S. reserves, and lack of adequate return are forcing the oil industry to explore worldwide, borrow more money, and crave price increases."

LRS70-13485

National Petroleum Council.

Committee on Environmental Conservation—the Oil and Gas Industries.

An interim report on current key issues relating to environmental conservation—the oil and gas industries. [Washington] 1970. 30 p.

This is an interim report of a more comprehensive study of the petroleum industry and environmental conservation, conducted at the request of the Dept. of the Interior.

LRS70-13491

Wicklein, John.

Whitewashing Detroit's dirty engine. Washington monthly, v. 2, June 1970: 10-20.

The battle for a pollution-free engine has been going on for 20 years, and is still not over.

LRS70-13598

Warren, Frederick H.

Electric power and thermal output in the next two decades. [n.p., 1970?] 20 p.

LRS70-13599

Lee, William S.

Considerations in translating environmental concern into power plant design and operation. [n.p., 1970?] 13 p.

This paper presented at a meeting on "Thermal Considerations in the Production of Electric Power" held in Washington, D.C. on June 28-30, 1970 highlights the factors that must be considered in power plant siting.

LRS70-13600

Jenson, Loren D.

Spectrum of biological concerns from power plant thermal discharges. [n.p., 1970?] 20 p.

"Presented at 'Thermal Considerations in the Production of Electric Power,' sponsored by Atomic Industrial Forum, Inc., and Electric Power Council on Environment, Shoreham Hotel, Washington, D.C., June 28-30, 1970."

LRS70-13618**Jacobsen, M., and others.**

New dust standards for British coal mines. *Nature*, v. 227, Aug. 1, 1970: 445-447.

"There has been a pressing need to revise standards for permitted concentrations of dust in the atmosphere of coal mines. The National Coal Board's Pneumoconiosis Field Research, based on regular medical surveys of miners, began in 1952 and has led to the recommendation that there should be no more than 8 mg/m³ of dust in the return air leaving the coalface."

LRS70-13619**Keith, Virgil F.**

Across the top. U.S. Naval Institute proceedings, v. 96, Aug. 1970: 61-69.

Describes the voyage of the SS Manhattan through the Northwest Passage to Prudhoe Bay to prove that the legendary Northwest Passage could be conquered by a commercial vessel.

LRS70-13625**Squires, Arthur M.**

Clean power from coal. *Science*, v. 169, Aug. 1970: 821-828.

"Recovery of sulfur will be a mere incidental in new systems for burning coal to produce electricity."

LRS70-13629**Phillips, James G.**

Fuel shortages. [Washington] Editorial Research Reports, 1970. 755-772 p. (Editorial research reports, 1970, v. 2, no. 14).

Contents.—Threat of national heating crisis.—Development of fuel resources.—Planning for future energy supplies.

LRS70-13754**McJones, R. W. Corbeil, R.J.**

Natural gas fueled engines have lower exhaust emissions. *SAE journal*, v. 78, June 1970: 31-34.

LRS70-13890**Future natural gas requirements of the United States.**

Volume 3. Prepared by the Future Requirements Committee under the auspices of the Gas Industry Committee. Denver, Future Requirements Agency, Denver Research Institute, University of Denver, 1969, 59 p.

"The Future Requirements Committee submits the results of a national survey of natural gas requirements in the United States on a biennial basis. This is the Committee's third report. The first was issued in December 1964. The second was published in June 1967."

LRS70-13934**Moxness, Ron.**

The long pipe. *Environment*, v. 12, Sept. 1970: 12-18, 21-23, 36.

The Trans-Alaska Pipeline System has been halted because of protests by conservationists and Indian land claims.

LRS70-13940**Caudill, Harry M.**

A lament for the Appalachian hills. *American forests*, v. 76, May 1970: 8-11, 62-63.

"As of January 1965, an area embracing 3,187,825 acres of American soil had been—to use the industry's own euphemism—'disturbed' by strip mining, of which 1,341,000 acres lie in Appalachia. Stripping for coal alone had torn up 1,301,000 acres."

Article is reprinted from the Nov.-Dec. 1969 Junior League Magazine.

LRS70-13978**Tennessee Valley Authority.**

TVA power, 1970. Knoxville, 1970. 24 p.

The pamphlet describes the Nation's largest electric power system.

LRS70-14009

MacAvoy, Paul W.

The effectiveness of the Federal Power Commission. *Bell journal of economics and management science*, v. 1, autumn 1970: 271-303.

"This paper takes the view that the Federal Power Commission dispenses services that have measurable economic benefits and imposes the costs of these services on both the regulated firms and the final consumers of gas and electricity."

LRS70-14016

Mouritzen, Gunnar.

Optimization of new, practical automotive power systems. *High speed ground transportation journal*, v. 4, Sept. 1970: 417-438

Discusses possibility of improving overall performance and reducing pollution by combining different power systems.

LRS70-14039

Allen, Bruce T. Melnik, Arie.

Economics of the power reactor industry. *Quarterly review of economics and business*, v. 10, autumn 1970: 69-79.

"This article briefly outlines the physical nature of the industry's product as of the late 1960s, traces the history of the industry's market, outlines and changes in the industry's market structure since 1954, and interprets these trends. Conclusions and public-policy implications are outlined."

LRS70-14261

Brubaker, Earl R.

Some effect of policy on productivity in Soviet and American crude petroleum extraction. *Journal of industrial economics*, v. 18, Nov. 1969: 33-52.

Author makes a "quantitative investigation of comparative factor productivities in Soviet and American crude petroleum production."

LRS70-14262

Reif, William E. Knoke, William A.

The marketing concept for combination gas and electric companies. *Public utilities fortnightly*, v. 86, Oct. 22, 1970: 33-39.

"Historically, utilities have held the view that as regulated monopolies they are placed in a noncompetitive situation. This article purports to show that the utility is not unlike other businesses insofar as marketing opportunities are concerned."

LRS70-14265

Smith, Robert.

Canadian gas export policy. *Public utilities fortnightly*, v. 86, Nov. 5, 1970: 23-27.

"A review, from a Canadian's viewpoint, of the availability of natural gas supplies, including those from nondomestic sources, such as those from Canada."

LRS70-14269

Wyoming uranium issue.

Contributions to geology, v. 8, summer 1969: 65-149.

Partial contents.—Aspects of the geologic history of Wyoming related to the formation of uranium deposits, by R. Houston.—Uranium deposits of the Gas Hills, by D. Anderson.—Uranium deposits in the Powder River Basin, by J. Davis.—Uranium deposits in Shirley Basin, Wyoming, by R. Melin.

LRS70-14353

U.S. battles energy squeeze.

Magazine of Wall Street, v. 126, Sept. 26, 1970: 19-21, 36.

"American international oil companies—Texaco, Gulf, Esso, Mobil, Socal—race to meet growing world needs and U.S. shortages." "A study by Esso predicts a U.S. demand of 22.7 million barrels a day in 1980."

The U.S. would be producing 12.6 million barrels a day of crude oil and natural gas liquids, while importing 1.6 million barrels daily from Canada; 2 million barrels a day from Latin America, and 6.5 million barrels daily from the Eastern Hemisphere."

LRS70-14389**McCaslin, John.**

The North Sea today. Oil and gas journal, v. 15, Nov. 2, 1970: 103-107.

"Events of the past few months have placed the Tertiary basin in the North Sea on top as a new supply of vast oil reserves for Europe. Phillips Petroleum Co.'s Group has come up with some huge discoveries in the Norwegian and Eastern U.K. portion of the North Sea."

LRS70-14425**Stobbs, J. J.**

Technical survey no. 2, nuclear fuel fabrication: nuclear fuel contracting alternatives and problems. Nuclear engineering international, v. 15, Oct. 1970: 803-821.

"Fuel fabrication, the most complex step in the fuel cycle, is considered in the overall context of the wide range of alternatives confronting a utility purchaser of nuclear fuel services."

LRS70-14463

Secondary impacts of public investment in natural resources: proceedings of a symposium, September 25-27, 1968.

Washington, U.S. Dept. of Agriculture [1970] 88 p. (U.S. Dept. of Agriculture. Miscellaneous publication no. 1177)

"Sponsored by Natural Resource Economics Division, Economic Research Service."

Partial contents.—Relating economic evaluation of Federal resources programs to political objectives and social values, by G. Taylor.—Review of regional studies of income distribution, by N. Cook.—Secondary benefit evaluations in Federal reclamation programs, by C. Stewart.—Regional, interregional, and national effects of resource development, by W. Back.

LRS70-14515**Sprague, John W. Julian, Bernadette.**

An analysis of the impact of an all competitive leasing system on onshore oil and gas leasing revenue. Natural resources journal, v. 10, July 1970: 515-531.

"The objective of this article is to develop some indication of the extent to which the present onshore non-competitive leasing system provides the government with a fair return for the disposal of Federally owned oil and gas resources."

LRS70-14537**Mayer, Lawrence A.**

Why the U.S. is in an "energy crisis." Fortune, v. 82, Nov. 1970: 74-77, 159-160, 162, 164.

"The era of cheap fuel is over. And an unhappy convergence of events threatens a bleak winter for utilities, industry, and homeowners." Discusses "energy crisis in fossil-fuel supplies."

LRS70-14538**Lessing, Lawrence**

New ways to more power with less pollution. Fortune, v. 82, Nov. 1970: 78-81, 131-132, 136.

Author believes we don't have to choose between power shortages and ever dirtier air. Suggests 3 major new power developments—magnetohydrodynamics, a method of gathering solar power in space and superconductivity—as breakthrough possibilities that need more research.

LRS70-14684

Krueger, Robert B.

The background of the doctrine of the continental shelf and the Outer Continental Shelf Lands Act. *Natural resources journal*, v. 10, July 1970: 442-494.

LRS70-14733

Bagge, Carl E.

The Federal Power Commission. *Boston College industrial and commercial law review*, v. 11, May 1970: 689-721.

Discusses developments in FPC's activities under the Natural Gas Act and under the Federal Power Act. Also considers the implications of the Scenic Hudson case, the National Power Survey, and new problems facing the Commission due to concern over the reliability of the Nation's electric power systems and over the quality of the environment.

LRS70-14743

Trezise, Philip H.

The outlook for energy supplies. *Dept. of State bulletin*, v. 63, Oct. 26, 1970: 479-483

". . . to examine our own energy picture against the background of our energy relations with the rest of the world." Author's comments deal with petroleum, gas, and coal.

LRS70-14775

Graham, Frank, Jr.

Oil and the Maine coast: is it worth it? *Augusta. Natural Resources Council of Maine*, 1970. 39 p.

LRS70-14801

American Chemical Society.

Committee on Chemistry and Public Affairs. Subcommittee on Environmental Improvement.

Cleaning our environment: the chemical basis for action; a report. Washington, 1969. 249 p.

Contents.—The air environment.—The water environment.—Solid wastes.—Pesticides in the environment.

Contains a bibliography at the end of each chapter.

LRS70-14809

Averitt, Paul. Carter, M. Devereux.

Selected sources of information on United States and world energy resources: an annotated bibliography. Washington, U.S. Dept. of the Interior, 1970. 21 p. (U.S. Geological Survey. Circular 641).

LRS70-14810

Gilmore, George A., and others.

Systems study of oil spill cleanup procedures, volume 1: analysis of oil spills and control materials. La Jolla, Calif., Dillingham Corporation, 1970. 89 p. (American Petroleum Institute. Publication no. 4024)

"Final report to Committee for Air and Water Conservation, American Petroleum Institute."

LRS70-14880

Evan, Harry Z.

The multinational oil company and the Nation state. *Journal of world trade law*, v. 4, Sept.-Oct. 1970: 666-685.

"An analysis of the market forces and politico-economic factors which govern international trade in oil and a prospective view of the long-term evolution of the balance of power between the various actors in the system."

LRS70-14903

Gilmour, Ernest H. Williams, Loren A.

Geology and coal resources of the Foster Creek coal deposit, eastern Montana. Butte, Montana College of Mineral Science and Technology, 1969. 9 p. (Montana. State Bureau of Mines and Geology. Bulletin 73)

LRS70-14945

Rudon, Frank M.

Investment potential of offshore drilling industry. Commercial and financial chronicle, v. 212, Oct. 29, 1970: 3, 14-15.

"Up-to-date review of offshore oil and natural gas developments takes exception to the investment community's disenchantment with offshore drilling and related marine construction. Mr. Rudon briefly describes many of the smaller and larger companies associated in one way or another with offshore drilling."

LRS70-14979

Nassikas, John N.

Regulation of the electric utilities in the 1970's. Edison Electric Institute bulletin, July-Aug. 1970: 214-218, 251.

A review of some programs the electric utility industry will be confronting in the future.

LRS70-14980

Joseph, William.

Offshore petroleum: where the industry is headed. Under sea technology, v. 11, Sept. 1970: 22-25, 36, 38.

Following the Santa Barbara disaster, the petroleum industry has been attempting to improve drilling and transportation methods.

LRS70-14983

Young, Warren R.

Possible solutions to oil spillage, a growing problem. Smithsonian, v. 1, Nov. 1970: 19-27.

The author suggests that the only way to avoid oil spills would be to have a non-petroleum economy.

LRS70-14998

Heinold, George.

Just how serious is thermal pollution? Science digest, v. 68, Nov. 1970: 62-66.

LRS70-15048

Study Panel on Nuclear Power Plants.

Nuclear power plants and our environment; a report to the Maryland Academy of Sciences. [Baltimore?] 1970. 49 l.

The panel was formed "to gather and evaluate information on such matters as (1) the relation between reactor design and possible effects on the environment, (2) methods of disposition of heat-loaded effluent, and radioactive byproducts, (3) the adequacy of government regulations regarding these matters, and (4) possible cumulative effects of multiple reactors, as now planned for construction after the Calvert Cliffs plant is in operation."

Bibliography: leaves 48-49.

LRS70-15144

International Atomic Energy Agency.

Report of the International Atomic Energy Agency; note by the Secretary-General. [New York] 1970. 64 p. (United Nations. [Document] A/8034)

At head of title: United Nations General Assembly.

This fourteenth report of the Board of Governors to the General Conference, GC(XIV)/430, is part of a General Conference series.

LRS70-15224

Schurr, Sam H.

Middle Eastern oil in the next decade: some prospects and problems. [Washington, Resources for the Future, 1970] 109-117 p. (Resources for the Future. Reprint no. 89)

"This paper is based upon a study by several RFF staff members and associates, to be published by the American Elsevier Publishing Co. as a book titled MIDDLE EASTERN OIL AND THE WESTERN WORLD: PROSPECTS AND PROBLEMS."

"Reprinted from Proceedings of the Council of Economics, American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. Annual Meeting, Denver, Colorado, February 15-19, 1970."

LRS70-15226

California. Air Resources Board.

The oxides of nitrogen in pollution. Sacramento, 1969. 112 p.

"Oxides of nitrogen play an important role in California's air pollution and so must be taken into account in any program of setting standards for ambient air quality and motor vehicle emissions." Each chapter includes a bibliography.

LRS70-15281

Chapman, Peter F.

Energy production—a world limit? New scientist, v. 47, Sept. 24, 1970: 634-636.

"Most official estimates of the world's energy requirements assume that the growth of energy production can continue indefinitely. If we are to avoid the problem of overheating, steps must be taken to limit thermal pollution of our environment."

LRS70-15285

Schaeffer, Vincent J.

Auto exhaust, pollution and weather patterns. Bulletin of the atomic scientists, v. 26, Oct. 1970: 31-33.

Author offers some of the evidence that he has been accumulating for the past ten years "related to the effect on the atmosphere which is exerted by very small particulate matter and gases."

LRS70-15346

Kennedy, John L.

Concrete: a promising offshore construction material. Oil and gas journal, v. 68, Nov. 30, 1970: 61-64, 69.

"To date, the bulk of offshore oil-industry facilities have been constructed primarily of steel. But it appears that in the coming development of offshore operations, a considerable portion of this construction will be done with concrete."

LRS70-15358

Beck, Clifford K.

Regulatory procedures. Nuclear engineering international, v. 15, Nov. 1970: 910-913.

Discusses the procedural steps and principles involved in the licensing process as authorized by the AEC for the construction, operation, dismantling and disposal of nuclear facilities.

LRS70-15359

Issues before the Joint Committee on Atomic Energy.

Nuclear engineering international, v. 15, Nov. 1970: 908-909.

Discusses the activities and achievements of the Joint Committee on Atomic Energy.

LRS70-15389**Lear, John.**

Clean power from inside the earth. Saturday review, v. 53, Dec. 5, 1970: 53-61.

Discusses briefly the exploration being done, especially in Mexico, concerning the potential of underground steam, and then what is being done in the western part of the U.S.

LRS70-15390**Blumer, M.**

Oil pollution of the ocean. Oceanus, v. 15, Oct. 1969: 2-7.

Partial contents: The extent of oil pollution.—Oil composition and biological effects.—Long term effects of oil pollution.

LRS70-15442**Wilder, Steve.**

Clean Air Car Race: massive boondoggle or wave of the future? Road & Track, v. 22, Dec. 1970: 26-31.

"At Cambridge, Mass., 45 cars entered by teams of students from 33 colleges and high schools gathered recently for the Clean Air Car Race."

LRS70-15508**Back, W. B.**

Estimating contributions of natural resource investments to objectives in regional economic development. American journal of agricultural economics, v. 51, Dec. 1969: 1442-1448.

". . . to assess the status of methods for estimating contributions of Federal water resource development projects with respect to regional economic objectives."

LRS70-15509**Laird, W. Knowles.**

Some problems of public utilities in acquiring and maintaining easements. Illinois bar journal, v. 58, June 1970: 832-842.

"This article discusses five problems that an Illinois lawyer might have to face in representing public utility clients in easement cases."

LRS70-15584**Robbins, Charles, and others.**

[U.S. atomic energy industry] Nuclear engineering international, v. 15, Nov. 1970: 905-929.

Partial contents.—Electric utilities' approach to nuclear power, by John Kearny.—Issues before the Joint Committee on Atomic Energy.—Regulatory procedures, by Clifford Beck.—Nuclear fuel cycle industry, by Sol Sandhaus.—Nuclear activities of General Electric, by Eugene Schubert.

LRS70-15588**A program for the future.**

Our public lands, v. 20, fall 1970: 14-18.

"The Public Land Law Review Commission, established by Congress in 1964 to study the Nation's land laws, has completed and submitted its report, 'One third of the nation's land,' to the President and Congress. The following excerpts are from the Commission's introductory summary of its basic concepts and recommendations."

LRS70-15609**Bohme, Bob.**

Getting the lead out. Field & Stream, v. 75, Dec. 1970: 80-82.

"Lead is one of the major poisons spewed by auto exhausts into the air we breathe. But the auto and petroleum industries are remedying that."

LRS70-15647

Capp, John P. Spencer, John D.

Fly ash utilization: a summary of applications and technology. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970] 72 p. (U.S. Bureau of Mines. Information circular 8483)

LRS70-15651**The natural gas pipeline industry: a study of regulatory policy in terms of the public interest.**

2d ed. [Washington] Independent Natural Gas Association of America, 1970. 51 p.

LRS70-15683**Pacific Northwest Water Laboratory.**

Feasibility of alternative means of cooling for thermal power plants near Lake Michigan. Prepared by National Thermal Pollution Program, Pacific Northwest Water Laboratory and Great Lakes Regional Office. [Washington] U.S. Federal Water Quality Administration, 1970. 1. v (various pagings).

LRS70-15741**U.S. Congress. Senate.**

Select Committee on Nutrition and Human Needs.

Nutrition and human needs—1970. Hearings, 91st Cong., 2d sess. Sept. 14, 16, and 17, 1970. Washington, U.S. Govt. Print. Off., 1970. 903-1379 p.

Hearings on "rural and urban breakdown in the area of environmental health—bad housing, bad sanitation, bad water." Also contains "Rental housing in New York City, vol. 1, confronting the crisis; Abandoned buildings, a time for action, by Citizens Budget Commission, Inc.; Community water supply study, analysis of national survey findings, by U.S. Bureau of Water Hygiene."

LRS70-15771**International Atomic Energy Agency.**

List of bibliographies on nuclear energy. Vienna, 1970. 32 p.

"STI/DOC/11-vol. viii, no. 2."

LRS70-15795**Large, Arlen J.**

'Free' electricity. Wall Street journal, Dec. 10, 1970, p. 1, 22.

"A plan to get energy from heat inside earth moves forward a bit; but technical, legal woes still block move to hitch geysers to steam turbine; exemption for Old Faithful."

LRS70-15798**Olds, F. C.**

Thermal effects: a report on utility action. Power engineering, v. 74, Apr. 1970: 26-31.

"Survey of all U.S. utilities with 8 Mw or more of steam-electric capacity reveals problems and programs in connection with thermal discharges."

LRS70-15800**Papamarcos, John.**

ERC's underground transmission program: a status report. Power engineering, v. 74, Feb. 1970: 26-30.

Progress report on Electric Research Council's research in decreasing the cost of underground electric transmission.

LRS70-15801**Allen, Donald R.**

Environmental policy act affects local public systems. Public power, v. 28, Nov. 1970: 24-27.

"Signed into law Jan. 1, 1970, the National Environmental Policy Act of 1969 has far-reaching implications for all publicly owned electric utilities."

LRS70-15827

World's biggest gas potential.

Petroleum press service, v. 37, Nov. 1970: 399-401.

"The Soviet Union is now making strenuous efforts to mobilize the enormous natural gas potential in its less accessible Eastern areas. Present production, however, comes chiefly from over-exploited fields in the Western part of the country."

LRS70-15828

Through the Northwest Passage.

Petroleum press service, v. 37, Nov. 1970: 415-417.

"The story of last year's historic voyage by the tanker Manhattan has been told by the only journalist to make the complete trip."

LRS70-15829

Chemicals by pipeline.

Petroleum press service, v. 37, Nov. 1970: 413-415.

"The vigorously expanding petrochemical industry is handling ever-growing quantities of feedstocks and intermediates. Cost considerations will force the movement of these raw materials increasingly into pipeline systems."

LRS70-15981

Roscow, James P.

Bob R. Dorsey of Gulf Oil. Finance, v. 88, Nov. 1970: 12-19.

"The oil industry—as many others—is immersed in social ferment. Gulf, spurred by a progressive president, is taking the initiative toward solutions." Contains full text of speech by B. R. Dorsey on corporate responsibility.

LRS70-16272

Boxer, Leslie.

Nuclear power for merchant ships. OECD observer, no. 48, Oct. 1970: 27-31.

Reviews some of the advantages and problems of nuclear-powered merchant ships.

LRS70-16294

Southern Interstate Nuclear Board.

Uranium in the Southern United States. Washington, U.S. Atomic Energy Commission, Division of Raw Materials, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 230 p.

"WASH-1128, TID UC-51". Contents include state-by-state reports, potential sources of high-cost uranium, and favorability guides for conventional uranium deposits.

LRS70-16321

Webster, James C.

Ohio takeover bid rejected. Public power, v. 28, Dec. 1970: 14-17.

"A strong bid by Ohio Edison Company to take over the municipal electric system at Norwalk, Ohio, was rebuffed by Norwalk's voters in the general election Nov. 3."

LRS70-16329

Models predict environment.

Sea frontiers, v. 16, Nov.-Dec. 1970: 352-356.

Describes use of hydraulic models of estuaries by the Corps of Engineers at the Waterways Experiment Station, Vicksburg, Miss., to prevent proposed projects from causing ecological damage. Already being measured are the effects of such projects on salinity disposal of dredged spoil, thermal pollution, and reclamation.

LRS70-16337**Brock, Samuel M.**

The mineral industry and the environment—technological and economic aspects of pollution and its abatement. Morgantown, Office of Research and Development, Appalachian Center, West Virginia University, 1970. 30 p. (West Virginia University. West Virginia Center for Appalachian Studies and Development. Office of Research and Development. Information series no. 10.)

“West Virginia University bulletin, series 70, no. 12-1, June 1970.”

LRS70-16341**Ikard, Frank N.**

The petroleum industry's role in the preservation of the environment. *Parks & recreation*, v. 5, May 1970: 19-21, 55-59.

LRS70-16373**American Waterways Operators.**

Inland waterborne commerce statistics, 1969. Washington [1970] 38 p.

“This is a comprehensive report on inland waterborne commerce statistics showing total tonnages moved and total ton miles of service performed nationally, and by individual waterways.

The report also shows the total number of vessels in operation and a comparison of transport services performed by the various modes.”

LRS70-16408**The Major source of air pollution.**

OECD observer, no. 48, Oct. 1970: 13-14.

“It has been estimated that from 60 to 80 per cent of all man-made air pollution arises from the combustion of fossil fuels. The increasingly evident need to fight pollution will therefore have an impact on energy policies and, conversely, the choice between different types of energy will in part determine what anti-pollution measures are necessary. To consider these interrelated matters, OECD has set up a Joint Group on Air Pollution from Fuel Combustion, representing three of the Organisation's Committees.”

LRS70-16409**The energy policy of Japan.**

OECD observer, no. 48, Oct. 1970: 15-18.

LRS70-16417**Reid, William T.**

What about air pollution by power plants? *Battelle research outlook*, v. 2, no. 3, 1970: 21-24.

LRS70-16419**Milburn, Steven W.**

Gas firms, independents plunge in record gulf sale. *Oil & gas journal*, v. 68, Dec. 21, 1970: 13-17.

Includes a chart listing tracts and blocks, high bidders, and total dollar and per acre bids in the December Gulf of Mexico Federal lease-sale of gas acreage.

LRS70-16420**Franco, Alvaro.**

Maracaibo gas plants score new high. *Oil & gas journal*, v. 68, Dec. 21, 1970: 52-55.

“Ten offshore plants are compressing over 2 billion cfd of associated gas in Lake Maracaibo. These facilities serving 19 oil reservoirs, represent 610,000 installed hp, and a total investment of more than \$182 million.”

LRS70-16454**International Atomic Energy Agency.**

Nuclear energy and the environment. [n.p. 1970] 35 p.

“INFCIRC/139/Add.1”

“Addendum to the agency's report to the Economic and Social Council of the United Nations for 1969-70.”

LRS70-16540**Thornton, John V.**

Low-sulfur fuel—problems and promises. *Public utilities fortnightly*, v. 86, Dec. 17, 1970: 33-40.

"It is pointed out that energy and environment must be looked at as two sides of the same coin and approached by legislators as inextricably interwoven."

LRS70-16541**Cambel, Ali B.**

Impact of energy demands. *Physics today*, v. 23, Dec. 1970: 38-43, 45.

The author calls for new concepts of power production to combat pollution and lists nine specific recommendations to encourage pollution control research and activities by private industry.

LRS70-16609**Snedeker, J. Thomson.**

A systems approach to nuclear plant safety. *Nuclear safety*, v. 11, Nov.-Dec. 1970: 445-449.

LRS70-16610**Nephew, E. A.**

Fifth German symposium on progress in safety evaluation of nuclear power plants. *Nuclear safety*, v. 11, Nov.-Dec. 1970: 463-467.

LRS70-16611**Savolainen, A. W., comp.**

Whetsel, H. B., comp.

Progress summary of nuclear safety research and development projects. *Nuclear safety*, v. 11, Nov.-Dec. 1970: 503-513.

LRS70-16627**Sporn, Philip.**

For utilities, the future is a systems problem. *Electrical world*, v. 175, Jan. 1, 1971: 28-31.

An interview.

"Private power faces seven basic problems. But with a lot of thinking and hard work, they can be hewn into seven pillars of support."

LRS70-16630**Jordan, Walter H.**

Nuclear energy: benefits versus risks. *Physics today*, v. 23, May 1970: 32-38.

"Critics who dwell on the risks to the public from nuclear-power plants should compare these risks with the present hazards that would be eliminated."

LRS70-16645**U.S. Congress. Senate.**

Special Committee on Aging.

Availability and usefulness of Federal programs and services to elderly Mexican-Americans. Part 5. Hearings, 91st Cong., 1st sess. Nov. 20-21, 1969. Washington, U.S. Govt. Print. Off., 1970. 497-641 p.

LRS70-16661**Chandler, Geoffrey.**

The myth of oil power: international groups and national sovereignty. *International affairs (London)*, v. 46, Oct. 1970: 710-718.

LRS70-16681

McInnes, Neil.

North Sea gusher: Belgium's Petrofina boasts a major stake in it. *Barron's*, v. 49, Dec. 7, 1970: 9, 20-21.

"Europeans see only one small fault in the North Sea gusher. The Yanks found it first. European companies own minority shares in all these ventures, but only one has a substantial stake. That is Petrofina S.A., Belgian parent of American Petrofina, which holds 30% of both the Phillips-led partnerships that have found commercial oil."

LRS70-16685

Murphy, J. N.; Zabetakis, M. G.; Burgess, D. S.

Hazards associated with the spillage of liquefied natural gas on water. [Washington] U.S. Bureau of Mines [1970] 27 p. (U.S. Bureau of Mines. Report of investigations, 7448)

LRS70-16740

National Petroleum Council.

Committee on Possible Future Petroleum Provinces of the U.S.

Future petroleum provinces of the United States: a summary. [Washington?] 1970. 138 p.

LRS70-16748

Mills, G. Alex.; Johnson, Harry R.; Perry, Harry.

Fuels management in an environmental age. *Environmental science & technology*, v. 5, Jan. 1971: 30-38.

"New criteria for fuels selection, based on environmental awareness are replacing the old idea that cheapest is always best." Discusses the most significant of pollution problems due to fuels and the impact on land, water, and air.

LRS70-16787

BEAMA Electricity Supply Symposium, Singapore, 1970.

Services and equipment for the electricity supply industry in South-East Asia. *Far East trade & development*, v. 25, Nov. 1970: 533-547.

"Summary of papers of Electricity Supply Symposium, Singapore, December 7-12, 1970, organized by British Electrical and Allied Manufacturing Association (BEAMA)."

LRS70-16788

A Congregation of vapors.

Facts & issues, Sept. 1970: [1-6].

Contents.—Prometheus's gift.—Cleanse or concentrate?—Injuries, damages, and deaths.—Sources and control of air pollution.—As population multiplies. —Managing our air resources.

LRS70-16790

Edison Electric Institute.

Energy economics and the environment. [New York 1969] 152 p. (Edison Electric Institute. EEI publication no. 68-25).

"Proceedings of a conference sponsored by the Committee on Environment, Edison Electric Institute, Chicago, Illinois, 1968."

LRS70-16869

Degler, Stanley E.

State air pollution control laws. Rev. ed. [Washington, Bureau of National Affairs, c1970] 93 p. (Bureau of National Affairs, Washington, D.C. BNA's environmental management series).

LRS70-16870

National Petroleum Council.

Committee on Petroleum Storage Capacity.

U.S. petroleum inventories and storage capacity. [Washington] 1970. 47 p.

LRS70-16874

National Petroleum Council.

Committee on Crude Oil Deliverability.

Capacity of crude oil gathering systems and deep-water terminals.
[Washington] 1970. 60 p.

LRS70-16875

National Petroleum Council.

Committee on Fuels.

Short-term fuel oil outlook. [Washington] 1970. 64 p.

LRS70-16984

Eipper, A. W., Carlson, C. A., Hamilton, L. S.Impacts of nuclear power plants on the environment. *Living wilderness*, v. 34, autumn 1970: 5-12.

Discusses major pollution problems due to atomic power plants with some emphasis on New York State in particular.

LRS70-16989

Cairns, John, Jr.Thermal pollution—a cause for concern. *Journal [of the] Water Pollution Control Federation*, v. 43, Jan. 1971: 55-66.

"Society cannot continue to expand production of electric power and increase discharge of heated wastewater into the aquatic environment indefinitely without causing a major ecological crisis."

LRS70-17006

Ely, Northcutt.

Summary of mining and petroleum laws of the world. [Washington] U.S. Bureau of Mines [for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970] 159 p. (U.S. Bureau of Mines. Information circular 8482).

Part 1—Western Hemisphere.

Bibliography: p. 158-159.

LRS70-17191

Oskarshamn BWR Generating Station.*Nuclear engineering international*, v. 15, Dec. 1970: 978-1002.

Contents.—Oskarshamn nuclear power station, by O. Gimstedt.—Oskarshamn reactors I and II; salient features, by I. Haga.—Fuel and fuel cycle for Oskarshamn, by B. Almgren, and F. Junkrans, A. van Santen, and F. Segerberg.—Construction and installation work at Oskarshamn, by R. Wassberg and L. Nilsson.

LRS70-17205

Council on Economic Priorities.

Petroleum industry overview. Washington, 1970. 32 p.

Presents detailed information on the practices of the petroleum industry and its major companies in four areas: minority employment, effect on environment, defense production and foreign investment.

LRS70-17227

Washington Suburban Sanitary Commission.

Montgomery County, 1972-1981, ten year water and sewerage plan and 1972-1977, six year capital improvement program of the Washington Suburban Sanitary Commission. [Hyattsville, Md.] 1970. 99 p.

LRS70-17313

Nuclear power and the environment.*International Atomic Energy Agency bulletin*, v. 12, no. 5, 1970: 9-21.

"One of the most important points of agreement arising from international studies of nuclear energy is that no significant change to the environment has occurred as a result of operating power plants."

LRS70-17354

Buchanan, J. R.

Nuclear Safety Information Center, its products and services. *Special libraries*, v. 61, Nov. 1970: 492-495.

LRS70-17388

Stelzer, Irwin M.

Utility pricing under inflation, competition, and environmental concerns. *Public utilities fortnightly*, v. 86, Dec. 3, 1970: 17-24.

LRS70-17450

U.S. Bureau of Labor Statistics.

Occupational employment trends in the atomic energy field, 1963-1968. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off. [1970] 53 p.

LRS70-17452

Cook, Franklin H.

The "best" type of private ownership versus the "best" type of public ownership. *Public utilities fortnightly*, v. 86, Dec. 3, 1970: 24-30.

A theoretical comparison of the cost of a successful private electric utility and of a large TVA-related electric utility.

LRS70-17454

Farley, F. F.

Gasoline: exorcising the demon. *Shell news*, v. 38, no. 6, 1970: 14-17.

LRS70-17455

Pearn, William H.

Arctic pipelining—tough, costly, but feasible. *Oil and gas journal*, v. 68, Nov. 16, 1970: 153-159.

An examination of the technical problems involved.

LRS70-17457

Weaver, Donald W.

A personal perspective on the Santa Barbara controversy. *Offshore*, v. 30, Nov. 1970: 30-32.

A broad view of the oil spill in the ecological and geological context of the Santa Barbara Basin.

LRS70-17475

Sopper, William E.

Revegetation of strip mine spoil banks through irrigation with municipal sewage effluent and sludge. *Compost science*, v. 11, Nov.-Dec. 1970: 6-11.

"Two years' research at Penn State indicates that municipal waste waters may be used to reclaim and revegetate many of the barren, strip-mined spoil banks that exist throughout the Appalachian area."

LRS70-17529

California. Legislature. Assembly. Committee on Revenue and Taxation.

A study of sales and use taxes on the consumption of utility services; final report. [Sacramento] 1970. 40 p.

LRS70-17562

The Effluent fee approach for controlling air pollution.

Duke law journal, v. 1970, Oct. 1970: 943-990.

Article presents the advantages of the effluent fee approach. Believes Congress is well suited to effluent fee implementation, although the state role is the main uncertainty in implementing a national standard-fee program.

LRS70-17583

Nuclear techniques and the fight against pollution.

International Atomic Energy Agency bulletin, v. 12, no. 6, 1970: 21-28.

"Recent advances in nuclear techniques, such as neutron activation analysis, radioisotope X-ray fluorescence spectrometry, electron capture gas chromatography, mass spectrometry, and low-level counting, will make it easier than before to define the goals of environmental control."

LRS70-17588

Trayser, David A. Creswick, Frederick A.

Air pollution from motor vehicles. Battelle research outlook, v. 2, no. 3, 1970: 12-16.

Examines the state of the art in anti-pollution devices and in alternatives to the internal combustion engine.

LSR70-17590

Blanchard, Lawrence E., Jr.

Taking another look before we "take the lead out." Automotive engineering, v. 78, Dec. 1970: 24-29.

An Ethyl executive discusses alternatives to lead-free gasoline.

LRS70-17606

Bunyard, Peter.

The power crisis. Ecologist, v. 1, Oct. 1970: 4-7.

Examines the environmental implications of energy production and consumption in the U.S. and Gt. Brit.

LRS70-17615

Olds, F. C.

Fuel crisis? Power engineering, v. 75, Jan. 1971: 26-32.

"Temporarily the use-supply relationships among our fuels have become manageable. Environmental, international, and political influences have the power and determination to achieve goals that will give us further fuel crises."

LRS70-17656

The Crisis in power.

Life, v. 69, Dec. 11, 1970: 26F-35.

Examines current and future sources of power.

LRS70-17723

McDaniel, Billy Darrell.

Thermal electric power and water pollution: a siting approach. Indiana law journal, v. 46, fall 1970: 61-112.

"This paper analyzes present legal efforts to prevent excessive heat discharges and proposes an administrative apparatus to insure that electric power utilities will foresee and minimize their thermal effects. The author's position is that the ultimate solution is siting power plants where aquatic ecology will be least affected."

LRS70-17822

Park, William R.

Pollution: the cost of control. MRI quarterly, fall 1970: 12-15, 20.

"New economic incentives must be found to encourage industries to solve the problems they help to create" in water pollution.

LRS70-17827

Luce, Charles F.

Power for tomorrow: the siting dilemma. Environmental law, v. 1, spring 1970: 60-71.

A Consolidated Edison executive reviews the difficulties involved in power plant siting in New York.

LRS70-17829

Beaufait, Kathleen. Collins, Jack G.

Financing pollution control facilities; Oregon's constitutional amendment. Environmental law, v. 1, spring 1970: 92-104.

LRS70-17844

Krueger, Robert B.

An evaluation of the provisions and policies of the Outer Continental Shelf Land[s] Act. Natural resources journal, v. 10, Oct. 1970: 763-810.

This article is the second and final part dealing with the Outer Continental Shelf Lands Act. This installment examines the administration of the Act to determine whether its administration has provided for the "maximum benefit to the general public." Discusses the selection of lands for lease, the determination of the size and timing of lease sales, the determination of drilling and production requirements, and the determination of entry. Considers the Santa Barbara Channel case.

LRS71-4

Seeger, Murray.

The oilmen and politics. Washington post, Jan. 17, 1971. p. B1, B3.
"The oil kings and how they play U.S. politics."

LRS71-14

Wakefield, Ron.

Alternatives to the conventional engine: part 1—principles & promises of the Wankel. Road & Track, v. 22, Feb. 1971: 49-55.

LRS71-95

Farney, Dennis.

Atom-age trash: finding places to put nuclear waste proves a frightful problem. Wall Street journal, Jan. 25, 1971, p. 1, 12.

LRS71-155

Pearson, John F.

Putting the lid on oil spills. Popular mechanics. v. 135, Jan. 1971: 82-85, 194.

Describes new methods and equipment being developed to solve the problem.

LRS71-193

Bennett, Ralph Kinney.

Why we have a fuel and power shortage. Reader's digest, v. 98, Jan. 1971: 76-78.

"America's voracious appetite for electricity, gas, oil and coal has begun to outrun supply. The unpleasant prospect: poorer service, higher bills, possible rationing."

LRS71-259

Driscoll, James G.

Can any coal mine be safe? National observer, Feb. 1, 1971, p. 1, 17.

A case study of a West Virginia coal mine closed 19 times in 10 months for safety violations.

LRS71-276

Vicker, Ray.

Fight over fuel. Wall Street journal, Feb. 4, 1971, p. 1, 4.

"Oil crisis points up huge Western reliance on producing nations; Europe imports 95% of oil, U.S. 23%; but the supplier lands need the West, too; higher U.S. gasoline prices?"

LRS71-326

Gough, William C., Eastlund, Bernard J.

The prospects of fusion power. Scientific American, v. 224, Feb. 1971: 50-64.

". . . to examine the probable effects of the recent advances on the immediate and long-term prospects of the fusion-power program, with particular reference to mankind's future energy needs."

LRS71-382**Energy in the 70's.**

Professional engineer, v. 41, Feb. 1971: 14-23, 28-46.

Partial contents.—Energy the economy, and the environment.—The gas resource situation.—Electric power in the 21st century.—Incorporating social concerns into systems synthesis—power generation.—Technology in the coal industry in the 1970's.—Nuclear power: the 1970's.

LRS71-383**Nuclear power: the 70's.**

Professional engineer, v. 41, Feb. 1971: 35-46.

Partial contents.—Current developments in nuclear power, by W. Johnson.—Fusion reactor design, by M. Hagler and M. Kristiansen.—Liquid metal fast breeder reactor-electric utilities, by J. Taylor.—National atomic energy policy-time for change, by C. Starr.—The changing posture of the nuclear community, by H. Slater.—Nuclear power abroad, by R. Loftness.

LRS71-384**Brower, David R.**

Who needs the Alaska pipeline? New York times, Feb. 5, 1971, p. 31. Discusses points brought up in the Department of the Interior's draft statement on the environmental effects of the pipeline.

LRS71-452**Christol, Carl Q.**

Oil pollution of the marine environment—a legal bibliography. Prepared for the use of the Committee on Public Works, United States Senate. Washington, U.S. Govt. Print. Off., 1971. 93 p.

At head of title: 92d Cong., 1st sess. Committee print.

LRS71-454**McGovern, George.**

Power and public responsibility. Rural electrification, Feb. 1971: 36, 40-41.

"In this article, Sen. George McGovern of South Dakota argues that in the light of the current power crisis, 'it is time we took a hard look at the basic organization of our entire power supply system.'"

LRS71-533**O'Donnell, John P.**

First liquid-ethane pipeline beginning full operation. Oil & gas journal, v. 69, Feb. 8, 1971: 54-57.

"The first pipeline designed to transport liquid ethane has been in partial operation and, soon after the first of the year, was to be in full operation from Bushton, Kan., to the Chicago area." "Hydrocarbon Transportation, Inc., experienced few problems, none serious, in operating the first half of its 675-mile, 8-in. and 10-in. ethane line."

LRS71-553**U.S. Laws, statutes, etc.**

Atomic Energy Act of 1946 and amendments. Compiled by Gilman G. Udell. Washington, U.S. Govt. Print. Off., 1971. 262 p.

LRS71-566**Lapp, Ralph E.**

The nuclear plant controversy—II: power and hot water. New republic, v. 164, Feb. 6, 1971: 20-23.

Discusses both sides of the thermal pollution problem. Second article in a three-part series.

LRS71-568**Bethell, Thomas N.**

The Hurricane Creek massacre. In Extension of remarks of Ken Hechler. Congressional record [daily ed.] v. 117, Feb. 8, 1971: E545-E560.

"A report on the circumstances surrounding the deaths of 38 men in a coal mine explosion in Eastern Kentucky, December 30, 1970."

LRS71-652**Hodges, John R.**

Natural gas: price regulation vs. supply. Austin, Bureau of Business Research, University of Texas at Austin, 1970. 24 p. (The Richard J. Gonzalez lectures, no. 3)

LRS71-669**Walch, Andrew F.**

Pollution of the high seas resulting from drilling and producing operations—Federal jurisdiction and operator liability. South Texas law journal, v. 12, no. 1, 1970: 73-91.

"This comment concerns the legal aspects of pollution of the 'high seas' resulting from oil drilling and producing activities on the continental shelf, jurisdiction of the United States Federal Government, and the liability faced by offshore oil operators for pollution resulting from their search for and production of oil and gas."

LRS71-696**Eisenbud, Merril.**

Radiation standards and public health. Nuclear safety, v. 12, Jan.-Feb. 1971: 1-8.

LRS71-697**Anderson, T. D.**

Offshore siting of nuclear energy stations. Nuclear safety, v. 12, Jan.-Feb. 1971: 9-14.

"Questions involving environmental quality, priority of land uses, and public safety have created and will continue to create difficulties in finding acceptable sites for nuclear power plants. Interest is increasing in offshore stations as one solution to the siting problem."

LRS71-698**Auerbach, Stanley I.**

Ecological considerations in siting nuclear power plants: the long-term biotic effects problem. Nuclear safety, v. 12, Jan.-Feb. 1971: 25-34.

LRS71-721**Inglis, David Rittenhouse.**

Nuclear energy and the Malthusian dilemma. Bulletin of the atomic scientists, v. 27, Feb. 1971: 14-18.

"In trying to avoid the extreme Malthusian catastrophe, expanded efforts should be made to develop safe and plentiful nuclear power while meeting the real needs of the near future by moderating unwarranted demands and improving conventional techniques."

LRS71-726**Smith, Turner T., Jr.**

Electricity and the environment—the generating plant siting problem. Business lawyer, v. 26, Nov. 1970: 169-197.

This article "examines some of the existing and proposed Federal and state laws governing the type, capacity, location and environmental impact of new power generating facilities."

LRS71-756**Ciriacy-Wantrup, S. V.**

The economics of environmental policy. Land economics, v. 47, Feb. 1971: 36-45.

Contents.—Economics and ecology.—The meaning of environmental policy.—Environmental policy and welfare economics.—Environmental policy and economic optimizing.—Social institutions as decision systems.—Some implications for the ocean environment.

LRS71-777**United Nations. Secretary-General, 1961- (Thant).**

Natural resources development and policies, including environmental considerations. [New York] 1971. 40 p. (United Nations. [Document] E/C.7/2/Add.1)

At head of title: United Nations Economic and Social Council.

Presents an addendum on changing patterns in the world energy situation.

LRS71-788**Gilluly, Richard H.**

The competitive comeback of coal. *Science news*, v. 99, Jan. 30, 1971: 84-86.

"Growing energy needs and problems with other sources, are reviving the coal industry." New technologies could place coal once again among prime energy sources.

LRS71-913**Foster Wheeler Corporation.**

Engineering evaluation of project gasoline, Consol synthetic fuel process. Washington [U.S. Dept. of the Interior] for sale by the Supt. of Docs., U.S. Govt. Print. Off. [1970] 1 v. (various pagings). (U.S. Dept. of the Interior. Research and development report no. 59.)

Prepared for Office of Coal Research, Department of the Interior.

LRS71-914**Westinghouse Electric Corporation. Research and Development Center.**

1970 final report Project Fuel Cell. Washington [U.S. Dept. of the Interior] for sale by the Supt. of Docs., U.S. Govt. Print. Off. [1970] 401 p. (U.S. Dept. of the Interior. Research and development report no. 57.)

Prepared for Office of Coal Research, Department of the Interior.

LRS 71-915**National Academy of Engineering.**

Advisory Committee on Project Gasoline.

Final report. Washington, U.S. Dept. of the Interior [for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1970. 15 p. (U.S. Dept. of the Interior. Research and development report no. 62.)

Prepared for Office of Coal Research, Department of the Interior.

LRS71-928**Horizons, inc.**

Treatment of acid mine drainage. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 88 p. (Water pollution control research series)

Presents the results of experiments attempting to neutralize acid coal mine drainage. "14010 DEE 12/70"

LRS71-929**U.S. Federal Water Quality Administration.**

Feasibility study manual—mine water pollution control demonstrations. [Washington, For sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1970. 65 p. (Water pollution control research series)

A manual for state or interstate agencies.

LRS71-1026**Areskoug, Kaj.**

U.S. oil import quotas and national income. *Southern economic journal*, v. 37, Jan. 1971: 307-317.

Study attempts to quantify costs in terms of foregone national income and benefits in terms of increased preparedness to expand domestic crude production in the event of an overseas supply crisis.

LRS71-1058

Bretey, Pierre R.

Coal: the giant revived. *Financial analysts journal*, v. 27, Jan.-Feb. 1971: 54-58, 91.

Continued growth in rail shipments of coal to electric utilities is expected. Points out that the problem of air pollution is being overcome and the threat of competition from nuclear fuel has been delayed.

LRS71-1065

Slack, A. V., McGlamery, G. G., Falkenberry, H. L.

Economic factors in recovery of sulfur dioxide from power plant stack gas. *Journal of the Air Pollution Control Association*, v. 21, Jan. 1971: 9-15.

"A major consideration in the removal of sulfur oxides from stack gases is the overall economic factor. Recovery of a useful product can be undertaken only if the cost picture is favorable."

LRS71-1164

Lapp, Ralph E.

The nuclear plant controversy—III: radiation risks. *New republic*, v. 164, Feb. 27, 1971: 17-21.

LRS71-1170

Another new engine nudges Detroit.

Business week, no. 2147, Oct. 24, 1970: 86-87.

"The Warren engine would run economically with a low pollution potential."

LRS71-1237

Adamson, Colin.

Electric energy trends in the U.K. *Power engineering*, v. 75, Feb. 1971: 26-32.

"An island state with high population density has special characteristics that affect the design and operation of its power system."

LRS71-1311

Blackett, George H.

Measuring raw materials needs to the year 2000. *Conference Board record*, v. 8, Jan. 1971: 23-28.

"Input-output analysis and the availability of basic commodities."

LRS71-1390

European Nuclear Energy Agency.

Uranium: resources, production and demand. A joint report by the European Nuclear Energy Agency and the International Atomic Energy Agency. [Paris] Organisation for Economic Co-operation and Development, 1970. 54 p.

LRS71-1454

Boffey, Philip M.

Radiation standards: are the right people making decisions? *Science*, v. 171, Feb. 26, 1971: 780-783.

LRS71-1471

U.S. Federal Power Commission.

Bureau of Natural Gas.

Cost of pipeline and compressor station construction under non-budget type of certificate authorizations as reported by pipeline companies in fiscal year 1970. Washington, 1970. 40 p.

LRS71-1472

Blumer, Max.

Oil contamination and the living resources of the sea. In extension of remarks of John D. Dingell. *Congressional record [daily ed.]* v. 117, Mar. 2, 1971: E1286-E1290.

Discusses the problem of marine oil pollution and the increasing extent of oil spillage with its severe biological effects. This is contribution no. 2474 of the Woods Hole Oceanographic Institution.

LRS71-1475

Ford, Barbara.

We're fighting oil pollution with bubbles, belts and beads. *Science digest*, v. 69, Mar. 1971: 34-39.

"The best solution to oil pollution in the oceans is to not have the oil spills in the first place."

LRS71-1493

Herzog, James

[Stripmining in Ohio] In Extension of remarks of John F. Seiberling. Congressional record [daily ed.] v. 117, Mar. 2, 1971: E1366-E1371.

A series of articles from the Akron Beacon Journal on stripmining in Ohio. "Most of the land stripped after 1948 meets the Ohio reclamation requirements. But the law demands so little that less than 10 pct. is brought back to the former condition and usefulness, according to one state official."

LRS71-1508

California. University, Santa Barbara.

Santa Barbara oil pollution, 1969: a study of the biological effects of the oil spill which occurred at Santa Barbara, California in 1969. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 49 p. (Water pollution control research series)

LRS71-1582

Frye, John.

Troubled oil on waters. *Sea frontiers*, v. 17, Jan.-Feb. 1971: 38-47.

"The industry is trying to keep from damaging the environment, particularly the waters of the world and the life in them. Whether the effort matches the disaster potential, in view of the expanding search for more oil, bigger ships to carry it, and even new routes, can be determined only when viewed from some future perspective."

LRS71-1874

Brooks, James W., and others.

Environmental influences of oil and gas development in the Arctic slope and Beaufort sea. Washington, U.S. Bureau of Sport Fisheries and Wildlife, 1971. 24 p. (U.S. Bureau of Sport Fisheries and Wildlife. Resource publication 96)

LRS71-1949

U.S. Library of Congress.

Environmental Policy Division.

A review of energy issues and the 91st Congress. Prepared. . . at the request of Henry M. Jackson, Chairman, Committee on Interior and Insular Affairs, United States Senate. Washington, U.S. Govt. Print. Off., 1971. 38 p.

At head of title: 92d Cong., 1st sess. Committee print.

Report, prepared by Harry Perry, is a summary of what the 91st Congress has done in the energy field.

LRS71-1960

Kinney, Gene T.

The environmental craze: will it strangle energy? *Oil and gas journal*, v. 69, Mar. 15, 1971: 23-28.

Author stresses that environmentalists are forcing a crisis: "Creating a new demand for oil and gas while at the same time limiting the physical ability of the industry to supply the greater needs."

LRS71-1993

U.S. Geological Survey.

Environmental impact statement (draft). [Washington] 1971. 29 p.

"Issued by the U.S. Geological Survey in connection with exploratory drilling operations on Federal oil and gas leases issued under the Outer Continental Shelf Lands Act, Santa Barbara Channel area off the Coast of California."

LRS71-1994**Bengelsdorf, Irving.**

Are we running out of fuel? *National wildlife*, v. 9, Feb.-Mar. 1971: 4-9.
 "An in-depth report on the dwindling world energy supply."

LRS71-2003**National Industrial Pollution Control Council.**

Air pollution by sulfur oxides; staff report. [Washington, U.S. Dept. of Commerce, for sale by the Supt. of Docs., U.S. Govt. Print. Off.] 1971. 23 p.

LRS71-2014**Lenczowski, George.**

Multinational oil companies: a factor in Middle East international relations. *California management review*, v. 8, winter 1970: 38-44.

"This paper examines the relationship between oil companies and the government of host nations in the Middle East as it is affected by the desire for fast economic development by host governments while at the same time having the need to assert their own sovereignty. The effects of Middle Eastern ideas on their oil policies are examined in detail."

LRS71-2042**Federation of Tax Administrators.**

State preferential tax treatment for pollution control facilities. Chicago, 1971. 58 p. Federation of Tax Administrators, Research report no. 61)

LRS71-2088**Welt, Leo G. B.**

Pipeline to profit. *Public utilities fortnightly*, v. 87, Mar. 18, 1971: 31-34.

"A discussion of the possibility that the Soviet Union may be on the verge of becoming the world's largest producer of natural gas."

LRS71-2097**The Politics behind the new oil hunt.**

Business week, no. 2166, Mar. 6, 1971: 104-106.

A brief discussion indicating that the oil companies are making an intense search for oil in Africa, Latin America, Indonesia, South China Sea off South Vietnam, Alaska and Canada to provide leverage for bargaining with Middle Eastern countries.

LRS71-2187**Appalachian Regional Commission.**

Acid mine drainage in Appalachia: a report [Washington] 1969. 126 p.

LRS71-2246**U.S. Federal Water Quality Administration**

New England Basins Office. Northeast Region.

Effects of strip-mine discharges on the marine environment near Cape Rosier, Maine. Needham Heights, Mass., 1970. 84 p.

LRS71-2254**Energy yardsticks of management performance.**

Forbes, v. 107, Jan. 1, 1971: 144, 146-147.

"At a time when its business is booming, the oil industry is worried. Says a top executive: 'We can't go on like this.'"

LRS71-2317**Abundant nuclear energy.**

[Oak Ridge, Tenn.] U.S. Atomic Energy Commission, Division of Technical Information, 1969. 352 p. (U.S. Atomic Energy Commission. AEC symposium series, 14)

"Proceedings of a symposium held at Gatlinburg, Tennessee, August 26-29, 1968."

"The conference addressed itself, in particular, to two facets of the availability of abundant nuclear energy: the implications of new low-cost energy for energy-intensive processes and potential large-scale uses of waste heat from large nuclear power stations."

LRS71-2341

Mann, Patrick C.

The impact of competition in the supply of electricity. Quarterly review of economics and business, v. 10, winter 1970: 37-49.

"The overall purpose of this article is to study the electricity price performance of solely (straight) electric and combination gas-electric utilities."

LRS71-2342

Polikoff, Alexander.

The Interlake affair. Washington monthly, v. 3, Mar. 1971: 7-16.

A case concerning pollution from a steel company, Interlake, Inc., into Little Calumet River, explains that the result has been that literally years have gone by without adequate enforcement of existing anti-pollution laws.

LRS71-2343

The Black Mesa plan: energy today, better land tomorrow.

Coal age, v. 76, Mar. 1971: 78-82.

"Good reclamation procedures and concern for the environment rated top consideration in Peabody's plans for the development of the Black Mesa coal reserves."

LRS71-2344

The surface mining issue: a reasoned response.

Coal age, v. 76, Mar. 1971: 92-100.

"Efforts to abolish surface mining in West Virginia are now underway in the current session of the legislature. This feature, divided into three parts in this issue, includes a position statement by the West Virginia Surface Mine Association, pros and cons of surface mining, and past accomplishment and future plans for surface mining and reclamation by the industry."

LRS71-2379

O'Hanlon, Thomas.

Anarchy threatens the kingdom of coal. Fortune, v. 83, Jan. 1971: 78-85, 147-151.

"The Nation's fuel supply, as well as the industry's prosperity, depends on a union that has lost control of its members."

LRS71-2400

Wakefield, Ron.

The gas turbine: is it the low-pollution engine of the future? Road & track, v. 22, Apr. 1971: 39-47.

Alternatives to the conventional engine: part 2.

LBS71-2455

Phi-Bang.

Waiting for a bonanza. Far Eastern economic review, v. 71, Mar. 6, 1971: 38-39.

Speculation about the oil resources potential of the South Vietnamese continental shelf has led to passage of a petroleum law and interest on the part of oil companies.

LRS71-2457

Pollak, Richard.

Oil on ice. Sierra Club bulletin, v. 56, Jan. 1971: 14-19.

Author questions any urgent necessity to disrupt the ecology of the North Slope or to build the 800-mile pipeline from Prudhoe Bay to Prince William Sound. Points out the fragile nature of Alaska's ecosystems.

LRS71-2479

Smith, Millard F.

Oil on troubled waters. Columbia journal of world business, v. 5, Nov.-Dec. 1970: 85-87.

"The cost of oil pollution on water is staggering—many millions of dollars for lost production and cleanup. The cost to the environment is even higher. Millard F. Smith, president of Slickbar, Inc., favors a worldwide approach that would involve training and standby readiness as well as specialized equipment."

LRS71-2559

U.S. General Accounting Office.

Progress and problems in programs for managing high-level radioactive wastes, Atomic Energy Commission: report to the Joint Committee on Atomic Energy, Congress of the United States by the Comptroller General of the United States. [Washington] 1971. 106 p.

"B-164052, Jan. 29, 1971."

LRS71-2583

Bruce, Willard A., Grossman, Irving.

Oil—a New York State pollution problem. Journal [of the] Water Pollution Control Federation, v. 43, Mar. 1971: 500-505.

"This paper discusses the efforts initiated in New York to cope with oil pollution and briefly mentions the national and international aspects of the problem."

LRS71-2618

Aspin, Less.

Pipeline reports suppressed. National parks & conservation magazine, v. 45, Apr. 1971: 25-28.

Author questions the holding back of two documents that were critical of the Alaska pipeline and the Interior Department's draft of its environment impact statement. The one document was authored by Harold Jorgenson (Bureau of Land Management). The other document was a 21-page report on the impact statement by the Corps of Engineers (Alaska Office).

LRS71-2649

McCracken, Paul W.

The U.S. fuel and energy situation. Conference Board record, v. 8, Mar. 1971: 37-40.

"The gap between overall energy demand and supply has resulted in extraordinary demands for residual fuel oil." Discusses current energy problem and suggests what should be done.

LRS71-2651

U.S. Dept. of the Interior.

Draft environmental impact statement for the Trans-Alaska Pipeline, Section 102(2)c. of the National Environmental Policy Act of 1969. In U.S. Congress. House. Committee on Merchant Marine and Fisheries. Subcommittee on Fisheries and Wildlife Conservation. Administration of the National Environmental Policy, part 1. Hearings, 91st Cong., 2d sess. Washington, U.S. Govt. Print. Off., 1971. 589-857 p.

LRS71-2673

Living with atomic power—and liking it.

U.S. news & world report, v. 70, Mar. 29, 1971: 67-69.

"What is it like to have a nuclear energy plant nearby? More Americans will be finding out soon. But some already know—and their reaction will surprise many."

LRS71-2674

New boom for an old industry.

U.S. news & world report, v. 70, Mar. 29, 1971: 60-62.

"The coal business, long depressed, faces an exciting future. Vast deposits and new technology may make it the cornerstone of U.S. fuel supply."

LRS71-2711**Bass, D. M., ed.**

State and Federal regulations pertaining to the petroleum industry. Quarterly of the Colorado School of Mines. v. 65, July 1970: whole issue.

LRS71-2768**Electric cars: the battery problem.**

Bulletin of the atomic scientists, v. 27, Apr. 1971: 19-22.

“. . . the electric car with a heat engine abroad to operate an electrical power generator that recharges the batteries (the heat engine/battery hybrid, HEBAH) is a very promising approach to the problem of reducing automobile emissions by a substantial amount in a surprisingly short period of time and at not too much of a price penalty.”

LRS71-2719**U.S. Laws, statutes, etc.**

Federal Power Commission laws and hydroelectric power development laws. Compiled by Gilman G. Udell. Washington, U.S. Govt. Print. Off., 1971. 394 p.

LRS71-2827**McTague, Peter J.**

Energy? ecology? or both? Public utilities fortnightly, v. 87, Apr. 1, 1971: 15-21.

“The author analyzes some of the contradictions inherent in demands for more power, as well as improved environmental quality, and suggests both objectives are actually mutual and inseparable.”

LRS71-2828**Hughes, William R. Fisher, Franklin M.**

Would increasing residential electric rates help preserve environment a quality? Public utilities fortnightly, v. 87, Apr. 1, 1971: 22-31.

“There is a growing tendency to resort to increased residential block rates as a means for discouraging ‘unnecessary electrical luxuries.’ Much of the reasoning is specious and some of the proposals are not only unworkable but selfdefeating.”

LRS71-2830**Wheatley, Charles F., Jr.**

Natural gas: crisis in regulation. Public power, v. 29, Mar.-Apr. 1971: 20-23.

“The United States now faces a major crisis over the effective regulation of natural gas essential to our economy. In my view, the real crisis is one of ‘effective regulation’ not that of a ‘gas shortage.’ ”

LRS71-2831**Behme, Bob.**

Vehicles and environmental responsibility. Field & stream, v. 75, Apr. 1971: 142-144, 146.

“As the number of machines that can travel nearly anywhere grows, so does the concern about their effects on the land. It is time for their areas of use to be spelled out.”

LRS71-2836**Schuster, Ray.**

Total Energy & electric utilities. Power engineering, v. 75, Mar. 1971: 38-43.

“Interest in Total Energy grows at a moderate but steady rate, as poorly conceived installations fall by the wayside. Yet, experience gained by the Total Energy specialists is leading to better, more economical systems. Electric utilities, once abhorring the thought of TE involvement, are beginning to show signs of interest, sometimes as a defensive measure, sometimes as an added revenue opportunity.”

LRS71-2845

Foreign oil earnings cut.

Magazine of Wall Street, v. 127, Feb. 27, 1971: 22-24, 37-38.

"Petroleum-producing companies are squeezed into paying \$10 billion into Persian Gulf oil countries' coffers over five-year term."

LRS71-2868

Kolko, Gabriel.

Oiling the escalator. New republic, v. 164, Mar. 13, 1971: 18-20.

Predicts that U.S. oil investments off the coast of Vietnam will prolong the war and create a new domestic constituency for a policy of economic vietnamization.

LRS71-2945

Gardner, Stephen L.

Natural gas—its impending shortage and potential abundance. Federal Reserve Bank of Dallas business review, Jan. 1971: 1-5.

Contents.—The supply problem.—Growth in demand.—Incentive and prices.—Impact on consumers.—Alternative sources.

LRS71-2955

Igoe, John W.

Coal research in 1970—part 2. Mining Congress journal, v. 57, Mar. 1971: 28-38.

"The author reviews coal research in the United States in the concluding half of an article published in the February and March issues of the JOURNAL."

LRS71-2956

Zeitz, A. H.

Future of gasoline with lead antiknocks. Mining Congress journal, v. 57, Mar. 1971: 39-45.

"Lead antiknock compounds are an essential ingredient of quality gasoline. As to lead's contribution to air pollution from auto exhausts, there are indications that pollution effect increases when non-lead fuel is used. Lead constitutes a small percentage of particulate emissions from cars."

LRS71-2957

Cederstrom, D. J.

Hydrologic effects of strip mining west of Appalachia. Mining Congress journal, v. 57, Mar. 1971: 46-50.

"Although undesirable side effects can result from strip mining, such operations can also prove to be hydrologically beneficial. West of Appalachia, strip-mined land can be managed to diminish floods, increase low flow and become a significant source of water."

LRS71-2978

Developments in radiation detection.

International Atomic Energy Agency bulletin, v. 13, no. 1, 1971: 6-12.

"A recent symposium organized by the IAEA reviewed developments in radiation detectors that can be used to measure different types of radiation and in biological indicators of radiation dose which could become of real value."

LRS71-3226

Lardner, G. E. A.

Africa is still in time. Ceres, v. 4, Mar.-Apr. 1971: 27-30.

Discusses some factors contributing to the risk of ecological chaos in Africa.

LRS71-3444

Skeet, Trevor.

Oil in Africa. African affairs, v. 70, Jan. 1971: 72-76.

"In 1969 Africa produced only 11.8 per cent of the world's total oil compared with 28 per cent in North America and 28.6 per cent in the Middle East. The largest African producer, Libya, extracted 139 million met. tons, Algeria 43 million and Nigeria 25 million."

LRS71-3486

Student Council on Pollution and the Environment.

Pacific Southwest Region.

Oil drilling in the Santa Barbara Channel. [Santa Barbara? Calif., 1970?] 8, [8] p.

A review of the Santa Barbara Channel oil spill with recommendations on future oil drilling activities.

LRS71-3567

U.S. Federal Power Commission.

Bureau of Natural Gas.

The gas supplies of interstate natural gas pipeline companies, 1969. Washington. For sale by the Supt. of Docs., U.S. Govt. Print. Off. [1971] 150 p.

LRS71-3568

Shirazi, Mostafa A.

Thermoelectric generators powered by thermal waste from electric power plants. Corvallis, Or., Pacific Northwest Water Laboratory, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 27 p. (Water pollution control research series)

LRS71-3569

Garton, Ronald R. Harkins, Ralph D.

Guidelines: biological surveys at proposed heat discharge sites. Corvallis, Or., Pacific Northwest Water Laboratory, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1970. 99 p. (Water pollution control research series)

LRS71-3577

Hall, Homer J. Bartok, William.

NOx control from stationary sources. Environmental science & technology, v. 5, Apr. 1971: 320-326.

"Nitrogen oxides, major reactants in photochemical smog, may be controllable by various NOx scrubbing and oxygen-controlling systems."

LRS71-3590

Nasmyth, Jan.

Libya turns the golden key. Interplay, v. 4, Mar. 1971: 39-43.

In Jan. 1970, the government of Libya demanded higher prices for its crude oil. In Sept. the 20-odd companies producing in Libya quickly made concessions. Article explains what happened.

LRS71-3593

Oil is taking over the energy business.

Business week, no. 2149, Nov. 7, 1970: 54-56.

"Its growing domination of all forms of fuel stirs fears of monopoly."

LRS71-3594

Bender, Rene J.

Pollution control: are small industries doing their share? Power, v. 115, Apr. 1971: 86-88.

"They're making progress, but at a slower rate than large industries. Among other things, survey shows they need clearer definition of their responsibilities."

LRS71-3613**Tennessee Valley Authority.**

Sulfur oxide removal from powerplant stack gas. [Washington] U.S. National Air Pollution Control Administration [1970] 322 p. (U.S. National Air Pollution Control Administration. Conceptual design and cost study series, no. 3).

Tennessee Valley Authority. Bulletin Y-13

"The present study is the third in a series being carried out by the TVA for NAPCA on methods for removing sulfur oxides from power plant stack gases. . . . In the processes evaluated in the present study, the oxides are recovered as intermediates for production of fertilizer products that can be sold to offset, at least partially, the cost of operation."

LRS71-3648**Higher prices for oil—who will get hit.**

U.S. news & world report, v. 70, Mar. 1, 1971: 52, 54.

"Outcome of Mideast oil showdown means this: quick price boosts in Europe, Japan. Hopes for curbing U.S. costs with 'cheap' oil have vanished."

LRS71-3649**Allen, Alan A. Schlueter, Roger S. Mikolaj, Paul G.**

Natural oil seepage of Coal Oil Point, Santa Barbara, California. *Science*, v. 170, Nov. 27, 1970: 975-977.

"Aerial, surface, and underwater investigations reveal that natural seeps off Coal Oil Point, California, introduce about 50 to 70 barrels (approximately 8,000 to 11,000 liters) of oil per day into the Santa Barbara Channel. The resulting slicks are several hundred meters wide . . . tarry masses within these slicks frequently wash ashore."

LRS71-3681**MacKenzie, James J.**

Social costs of energy. *Massachusetts audubon newsletter*, v. 10, Apr. 1971: 3-6.

Discusses some of the factors that encourage wasteful use of energy, and some of the social and environmental costs that should be included, but presently are not, in the total cost of energy.

LRS71-3682**U.S. Council on Environmental Quality.**

The President's 1971 environmental program. Washington, U.S. Govt. Print. Off., 1971. 306 p.

Contains the President's message on the environment and specific information on the President's 1971 proposals. Includes the bills, letters of transmittal to Congress, and analyses of the proposed legislation.

LRS71-3752**Horizon to horizon.**

Environment, v. 13, Mar. 1971: 13-21.

"The Torrey Canyon, Santa Barbara, San Francisco Bay, and a host of famous and obscure oil spills are clogging the seas. Herewith, a brief review of some of the worst."

LRS71-3753**Blumer, Max, and others.**

A small oil spill. *Environment*, v. 13, Mar. 1971: 2-12.

"A barge loaded with fuel oil for a power plant went aground in September 1969 in Buzzards Bay, Massachusetts. . . . An interdisciplinary team of scientists from nearby Woods Hole Oceanographic Institution discovered that poisonous substances in the oil persisted in the marine environment for much longer than previously thought."

LRS 71-3836

Taylor, Markland J.

"The wicked witch is dead!" Shell news, v. 39, no. 2, 1971: 2-9.

"Stunned by the Gulf of Mexico's biggest well blowout on December 1, Shell recovered quickly. By December 30, well B21—the wicked witch—had been killed, and prospects now are good for a successful end to the emergency."

LRS71-3846

Holden, Constance.

Nuclear waste: Kansans riled by AEC plans for atom dump. Science, v. 1972, Apr. 16, 1971: 249-250.

LRS71-3908

Owen, Bruce M.

Monopoly pricing in combined gas and electric utilities. Antitrust bulletin, v. 15, winter 1970: 713-726.

Analysis of statistical data on prices and outputs of gas and electric utilities establishes that "joint monopoly" (selling of both utilities by the same company) results in higher prices, at least for electricity, author states. He adds that his results "stand as an indictment of the ineffectiveness of regulation, and as an invitation to more vigorous antitrust policy."

LRS71-3935

Yeh, Show-Jong. Jenkins, Charles R.

Disposal of sludge from acid mine water neutralization. Journal [of the] Water Pollution Control Federation, v. 43, Apr. 1971: 679-688.

"The objective of this study was to apply the methods of conventional domestic wastewater sludge-handling processes to sludge produced by acid mine water neutralization and to develop necessary design data. Investigation was also made of the possibility of using acid mine water neutralization sludge mixed with domestic wastewater sludge to improve conditions for strip mine reclamation."

LRS71-3938

Little (Arthur D.) inc.

Study of waste oil disposal practices in Massachusetts. [n.p.] 1969. 37 1.

LRS71-4002

Wilson, John W.

Residential demand for electricity. Quarterly review of economics and business, v. 11, spring 1971: 7-22.

Author finds on basis of statistical analysis that "residential demand for electricity is price elastic and is influenced substantially by the price and availability of natural gas." He concludes (1) marginal-cost pricing is a far more critical objective than earlier studies indicate and (2) inter-utility competition should be promoted.

LRS71-4026

Williams, Kenneth.

Kentucky's answer to "the coal black shame"—a critical analysis of Kentucky workmen's compensation coverage of black lung disease. Kentucky law journal, v. 59, winter 1970-71: 466-488.

Some comments on the disease pneumoconiosis, on West Virginia's "Workmen's Compensation—Retroactivity of Pneumoconiosis Amendment (1970), on the Federal Coal Mine Health and Safety Act of 1969. Special emphasis is on the occupational disease section of the workmen's compensation provision (Kentucky, 1970).

LRS71-4030

Gardner, Frank J.

Oil's offshore activity suppressed by economics, political decisions. Oil & gas journal, v. 69, Apr. 19, 1971: 97-103.

"An up-to-date summary of oil-industry offshore operations throughout the world. Particularly noteworthy is drop in activity along the Persian Gulf. But there is a string of new oil along W. Africa, new strikes in the Mediterranean, and a spurt of activity in Southeast Asia."

LRS71-4100

The Last word on Santa Barbara?

Work boat, v. 28, Feb. 1971: 14-15, 29.

Article is an abridged version of a summary of a 900-page, two volume work by Dr. Dale Straughan and her associates at the University of Southern California, Los Angeles, on the biological effects of oil pollution in the Santa Barbara Channel.

LRS71-4101

"Gut-bucket" study proposed by interior on geothermal resources.

Western water news, v. 23, Apr. 1971: 2-3.

"A proposal is now being prepared at the Interior Department to launch a \$15 million, 5-year program to study geothermal steam as a source of electrical power and supplemental water in the West." First of a series.

LRS71-4103

Noble, David.

Vietnam's offshore oil: only four million barrels a day. Energy digest, v. 1 Apr. 19, 1971: 39-47.

Reviews the situation of the oil industry off South Vietnam. "... the prediction of offshore Asian oil production on which the peace movement has based its attack was an impossibly large figure based on a reporter's error." Contains list of 56 oil companies that supply the U.S. military effort in Vietnam.

LRS71-4105

Reclamation: U.S. Steel is involved.

Coal age, v. 76, Apr. 1971: 66-71.

"Foresighted reclamation planning some 20 yr ago is paying dividends today at U.S. Steel's Gary District in McDowell County, West Virginia." "U.S. Steel has been planting trees on reclaimed land for 20 yr, receiving a number of awards and commendable mentions for its efforts."

LRS71-4144

Tanner, James C.

Shrinking supplies: natural gas shortage is likely to continue despite rising prices: demand soars, but producers lag in drilling new wells: proven reserves dwindle. 17,000 unhappy Chicagoans. Wall Street journal, Apr. 12, 1971: p. 1, 8.

"The price of natural gas is going up. But shortages won't end for three to five years, if then. This is the gloomy picture that emerges from talks with energy experts and with scores of producers, pipeline operators and distributors of the important fuel."

LRS71-4146

Noble, David.

Interlocking fuel interests. Energy digset, v. 1, Apr. 13, 1971: 27-37.

A special report on interlocking fuel interests. It is based mainly on "Coal: the captive giant," a document by members of Ralph Nader's staff, Lawrence Beck and Stuart Rawlings.

LRS71-4209

Will the new gasolines lick auto pollution?

Consumer reports, v. 36, Mar. 1971: 156-159.

"Fill up with one of the new low-lead gasolines and, according to the ads, you can cut automotive air pollution from your car significantly. Truth or fiction? Perhaps a bit of both."

LRS71-4211

Neuman, Robert H.

Oil on troubled waters: the international control of marine pollution. *Journal of maritime law and commerce*, v. 2, Jan. 1971: 349-361.

Reviews briefly attempts to control marine oil pollution since 1954. Comments also on Canada's Arctic Waters Pollution Prevention Bill and its unilateral extension of jurisdiction on the high seas.

LRS71-4256

Gilbert, Bil.

When a law fights a law. *Sports illustrated*, v. 34, Apr. 26, 1971: 30-32, 35-36.

"A century-old mining act permits almost anyone to grab off a chunk of public lands for his own purposes. Now it has come in direct conflict with the fledgling Environmental Act. A legal showdown is imminent." Specific case refers to a small operation in Ash Canyon in the Huachuca Mountains located in Coronado National Forest in southern Arizona.

LRS71-4316

Hawley, John K.

Can automotive air pollution be curbed? *Conservationist*, v. 25, Apr.-May 1971: 9-12.

"Science and technology have been working extensively on one of our most complex problems, but uniform air quality standards are difficult to achieve; part one of this two-part article tells why."

LRS71-4352

Idaho Nuclear Corporation.

Water Reactor Safety Program Office.

Water-reactor safety program plan; prepared for Division of Reactor Development and Technology, U.S. Atomic Energy Commission. Idaho Falls, Idaho [available from Clearinghouse for Federal Scientific and Technical Information, Springfield, Va.] 1970. 107 p.

"WASH-1146, Reactor Technology (TID-4500, UC-80. AEC Res. & Dev. Report)."

LRS71-4416

Dillard, Bobby L.

State radiation control legislation, 1970. Rockville, Md., U.S. Bureau of Radiological Health, 1971. 38 p.

LRS71-4420

McDonald, John.

Oil and the environment: the view from Maine. *Fortune*, v. 83, Apr. 1971: 84-89, 146-147, 150.

Discusses the uproar in Maine over the proposals of some oil companies to build large refinery complexes and deepwater ports able to accommodate the new supertankers.

LRS71-4483

Rothenberg, Leon.

State preferential tax treatment for pollution control facilities. Chicago, 1971. 58 p. (Federation of Tax Administrators. Research report no. 61)

Author "examines state laws which provide preferential tax treatment for air and water pollution control facilities. About two-thirds of the states now have enacted such laws mainly in regard to corporation income, property, and sales and use taxes."

LRS71-4518

Schultz, Morton J.

Your pollution-free car of 1975—which engine will drive it? *Science digest*, v. 69, May 1971: 48-54.

"Six possible powerplants are on the way, to meet the 'Clean Air Act' call for 90 percent reduction of all noxious gases by 1975. Here are the candidates, and where they stand."

LRS71-4563

Oil and oysters don't mix: private remedies for pollution damage to shellfish.
Alabama law review, v. 23, fall 1970: 100-133.

LRS71-4576

Reports from world nuclear power station sites. Part 2.

Nuclear engineering international, v. 16, Mar. 1971: 197-207.

"The second of two monthly installments of brief reports on the status of construction or operation at sites where nuclear power stations are either being built or have recently been commissioned. Part 1 (last month) covers from Argentina to India, and part 2, from Italy to the United States of America."

LRS71-4581

Burchard, Hans-Joachim.

Towards a common European energy policy. Aussenpolitik, v. 21, no. 1, 1970: 76-82.

". . . singles out Western Europe's growing dependency upon importing its energy supplies as being the political nucleus of all problems surrounding a unified policy on energy."

LRS71-4621

Environmental effects of thermal discharges.

New York, American Society of Mechanical Engineers [c1970] 44 p.

Partial contents:—Environmental effects of thermal discharges—technological elements.—Environmental effects of thermal discharges—ecological elements.—Environmental effects of thermal discharges—public policy, by Hon. John A. Carver, Jr.—TVA's experience with thermal discharges from steam-electric power plants.

LRS71-4626

The Challenge of environmental control.

Engineering and mining journal, v. 172. Apr. 1971: 71-130.

First section deals with politics of pollution. The other sections, with technology.

Contents.—Dialogue—EPA director Ruckelshaus, an environmentalist's view, the "Disaster Lobby."—Particulates.—Wastewater.—Land restoration.—Sulphur dioxide.

LRS71-4698

Commoner, Barry. Corr, Michael. Stamler, Paul J.

The causes of pollution. Environment, v. 13, Apr. 1971: 2-19.

"Increasing population, increasing consumption, and the kind of technology we use are the factors on which pollution depends. An examination of the United States since 1946 shows that the nature of our technology is by far the largest factor in this equation. Population growth is a minor contributor to environmental problems."

LRS71-4745

South Dakota. State Legislative Research Council.

State regulation of strip mining. Pierre, 1970. 47p.

"This memorandum discusses briefly the history of strip mining, the inherent problems created by it, state legislation in this area, including court cases passing on the constitutionality of such legislation; and, a comparative study of states having comprehensive regulation of strip mining." Also, a report on South Dakota's mining industry is presented.

LSR71-4823

The Electricity supply industry; achievements 1967-1968, forecasts 1969-1974.

Paris, Organization for Economic Co-operation and Development [1970] 108 p.

"This brochure brings up to date the statistics contained in the 19th Annual Electricity Industry Survey which was published by the OECD in 1969."

LRS71-4830

American Chemical Society.

A supplement to—Cleaning our environment: the chemical basis for action. Washington, 1971. 20 p.

Presents priority recommendations with supporting discussion in the fields of air and water pollution, solid wastes, and pesticides.

LRS71-4832

Rothenberg, Al.

The big hassle: your car vs. clean air. *Look*, v. 35, Mar. 23, 1971: 51-52, 55.

Discusses feasibility of industrial compliance with strict automotive emission standards.

LRS71-4882

Woodson, Riley D.

Cooling towers. *Scientific American*, v. 224, May 1971: 70-78.

"Hot water carrying waste heat from a large industrial installation such as a power plant is often best handled by a tower that breaks the water up, cools it in a cross draft of air and then recirculates it."

LRS71-4919

South Vietnamese offshore oil.

In Extension of remarks of James Abourezk. Congressional record [daily ed.] v. 117, May 5, 1971: E4018-E4022.

Contains letters of American oil companies that participated or purchased the results of a seismic survey off coast of South Vietnam in 1969. *JOURNAL OF COMMERCE* article of Apr. 1, 1971 concerning bids on concessions, a State Department letter concerning U.S. Government participation in a survey, and a press digest and chronology of offshore Vietnamese oil, prepared by the Peace Education Division of the American Friends Service Committee.

LRS71-4921

Mancke, Richard B.

The longrun supply curve of crude oil produced in the United States. *Antitrust bulletin*, v. 15, winter 1970: 727-756.

Attempts to determine the shape and position of the longrun supply curve of crude oil produced in the United States' "lower 48" states. Also, tries to estimate the cost of oil import quotas.

LRS71-4922

Sherrill, Robert.

Power play. *Playboy*, v. 18, May 1971: 113-114, 224-229.

Discusses problems of fuel and electric power shortages. Is critical of private electric utilities. Urges national power grid owned by the government. Contains a two-page insert giving an appraisal of the possibilities for power without pollution.

LRS71-5004

Tsivoglou, Ernest C.

Nuclear power: the social conflict. *Environmental science & technology*, v. 5, May 1971: 404-410.

"Most of the conflict between the nuclear industry and the public can be blamed on the failure of industry and government to cooperate with pollution control officials."

LRS71-5007

Coan, Eugene.

Oil pollution. *Sierra Club bulletin*, v. 56, Mar. 1971: 12-16.

"The studies reviewed here demonstrate that oil is introduced into the sea in large quantities in a variety of ways and constitutes a widespread contaminant on the surface of the sea. Oil contains toxic, cancer-producing substances and can be a long-lived environmental contaminant where it is spilled."

LRS71-5071

Fehd, Carolyn S.

Productivity in the petroleum pipelines industry. Monthly labor review, v. 94, Apr. 1971: 46-48.

"Output per man-hour rises as improved pipelines, additional refineries, and new uses of petroleum are developed."

LRS71-5162

Blundell, William E.

Ecological shootout at Black Mesa. Wall Street Journal, Apr. 13, 1971, p. 16.

The Peabody Coal Co. is strip mining coal under an agreement with the Navajo and Hopi Indians. "Though controversial in itself, the Black Mesa issue is but a small part, a symbol, of what environmentalists fear is a looming disaster—the fouling of the entire Colorado plateau by pollutants from six huge coal-fired power plants now operating. Under construction or planned in the area."

LRS71-5250

Irwing, R. R.

Wanted: tankers to haul LNG. Iron age, v. 207, Mar. 25, 1971: 53-56.

"The renaissance in U.S. commercial shipbuilding is under way. The LNG tanker will be part of it."

LRS71-5301

Canada. Centre for Inland Waters.

Thermal inputs to the Great Lakes 1968-2000. Niagara Falls, Ont., H. Acres, 1970. 93 p.

LRS71-5302

Oil companies yield to OPEC.

Magazine of Wall Street, v. 128, May 8, 1971: 20-22, 43.

"Consumers must pay for producing-nation exactions and fiscal needs of producing companies. Company concessions obtain promise of five years of 'oil peace.' "

LRS71-5312

Electric utilities: uneven progress.

Magazine of Wall Street, v. 128, May 8, 1971: 28-31, 43.

"This expert appraisal of three promising situations highlights utility companies not vulnerable to most of the problems currently facing the industry."

LRS71-5333

New York (City).

Environmental Protection Administration.

Toward a rational power policy: reconciling needs for energy and environmental protection. [New York] 1971. 292 p.

LRS71-5340

Williams, D. N.

When will the Wankel make it? Iron age, v. 207, Feb. 25, 1971: 57-59.

The Wankel engine will probably make its debut on a 1974 Chevrolet in the U.S., author says.

LRS71-5350

Schrader, Gene.

Atomic doubletalk. Center magazine, v. 4, Jan.-Feb. 1971: 29-52.

"A review of matters withheld from the public by the Atomic Energy Commission."

LRS71-5404

Lapp, Ralph E.

The four big fears about nuclear power. New York Times magazine, Feb. 8, 1971: 16-17, 19, 22, 24, 26, 28, 30, 32, 34-35.

Discusses the likelihood of explosion, release of radioactivity, unsafe disposal of radioactive wastes, and thermal pollution.

LRS71-5416

Vita, Susan H.

Pipeline construction in cold regions (excluding the Russian literature)—a bibliography. Washington, U.S. Dept. of the Interior, 1971. 91 p. (U.S. Dept. of the Interior. Bibliography series, no. 21)

LRS71-5425

Snyder, George R. Blahm, Theodore H.

Effects of increased temperature on cold-water organisms. *Journal [of the] Water Pollution Control Federation*, v. 43, May 1971: 890-899.

"The objective of this paper is to emphasize that increased water temperatures can produce both detrimental and beneficial effects and that coldwater fish can succumb to direct and indirect effects of increased temperature." Recently much controversy has been stimulated by the proposed installation of 20 thermonuclear electric plants in the Pacific Northwest."

LRS71-5426

Nuclear power plants: boon or blight?

National wildlife, v. 9, Apr.-May 1971: 21-23.

"Two noted scientists debate the pros and cons of nuclear power."

LRS71-5497

Zeldin, Marvin.

Audubon black paper no. 1—oil pollution. *Audubon*, v. 73, May 1971: 99-119.

"This is about oil pollution of the waters of the world. About inadequate regulation of the production, transportation, and refining of oil and its products. About inadequate, careless, and negligent oil company practices. About inadequate research into the effects of oil pollution on marine resources—and on man. About the growing threat to the sea from pollution by petroleum."

LRS71-5636

Bradshaw, Thorton F.

Power crisis—electricity, oil, coal. *U.S. news & world report*, v. 70, May 10, 1971: 84-91.

"Americans may soon flip the light switch and nothing will happen, says a top authority on energy. In this exclusive interview with editors of 'U.S. News & World Report,' Mr. Bradshaw says that shortages in virtually every fuel are a threat—and the race is on to avert disaster."

LRS71-5687

Hayeland, James A.

One big garage: the automobile—a way of life? *Ecology today*, v. 1, Mar. 1971: 27-29.

"The hundred million automobiles in this country, driven by a hundred million you's and me's, account for two-thirds of all the air pollution in this country. Unless we change our relationship to the car, it will change, quite unpleasantly, our relationship to the earth."

LRS71-5828

Berkwitt, George.

Electric utilities: the heat's on. *Dun's review*, v. 97, Mar. 1971: 83-84, 86, 88.

"All in all, the \$350 billion the electric utility industry expects to spend in the next twenty years on physical and technological growth will make it one of the steadiest and ripest customers in all of industry."

LRS71-5829

Pace, Joe D.

The subsidy received by publicly owned electric utilities. *Public utilities fortnightly*, v. 87, Apr. 29, 1971: 19-29.

"What is the total subsidy received by the publicly owned sector of the electric power industry? What are the effects of this subsidy on resource allocation? Subsidies would include any special benefit conferred on such systems, and not only directed monetary payments on forgiveness of taxes."

LRS71-5830**Burg, H. Peter.**

Cost-of-capital methods for electric utilities. *Public utilities fortnightly*, v. 87, Apr. 29, 1971: 30-34.

"Findings of a study of some 50 utilities which attempted to determine what type of approach is currently used by electric utility companies."

LRS71-5831**Cook, Franklin H.**

The British electric system earns a commercial profit. *Public utilities fortnightly*, v. 87, Apr. 29, 1971: 35-47.

"A review of the performance of Britain's nationalized electric industry under the profit plan established."

LRS71-5857**Conlon, Frank B. Pettigrew, George L.**

Summary of Federal regulations for packaging and transportation of radioactive materials. Rockville, Md., Bureau of Radiological Health, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1971, 37 p.

"BRH/DRME 71-1"

LRS71-5972**Alaska. State Housing Authority.**

Planning and Technical Dept.

Community impacts of the trans-Alaska pipeline. [Juneau] 1971. 28 l.

An estimate of the impact of the pipeline in terms of economic and social effects on Alaskan communities.

LRS71-6002**Steele, Henry B. Rustow, Dnakwart A.**

Oil imports and the national interest. [New York] Petroleum Industry Research Foundation, 1971. 2 v. (48, 24 p.)

Second volume consists of supplementary tables. Written in response to THE OIL IMPORT QUESTION: A REPORT ON THE RELATIONSHIP OF OIL IMPORTS TO THE NATIONAL SECURITY, a Presidential task force report issued in Feb. 1970, this study consists of two papers by "experts [who] conclude that future Eastern Hemisphere oil imports can be limited to a manageable proportion of our demand for oil and that they must be limited to such a proportion to protect the national interest."

LRS71-6013**U.S. Office of Emergency Preparedness.**

Report on crude oil and gasoline price increases of November 1970. [Washington] 1971. 51 p.

LRS71-6183**A Political perspective of pollution, *Industry week*, v. 169, May 17, 1971: 26-33.**

"How did our regulatory confusion on environment arise and where are we heading? In this first of a two part series based on exclusive interviews with leading government policy makers, *INDUSTRY WEEK* takes a look at the 1899 Refuse Act."

LRS71-6184**Olds, F. C.**

The intervenors. *Power engineering*, v. 75, May 1971: 24-31.

Those opposed to nuclear power steadily present their story to the public. "Industry demolishes parts of intervenor and environmentalist arguments with regularity. The arguments in their entirety, however, still have a strong public appeal." Article offers some of the intervenor arguments.

LRS71-6185**Dyment, Robert.**

Building big hydro at Churchill Falls. Power engineering, v. 75, May 1971: 34-38.

"When completed, \$950-million Churchill Falls will be one of the largest single hydro developments in the world. Nominal installed capacity is planned for 5225 Mw in 11 units, each rated 475 Mw, producing an expected total yearly output of 34½ billion kwh."

LRS71-6186**Hauser, L. G. Potter, R. F.**

The future of fossil fuels. Power engineering, v. 75, May 1971: 40-43.

"How the fossil fuel market will be divided in the future is difficult to foretell, but fuel sources must be studied and anticipated. Generation of electricity alone now accounts for about 25% of the nation's total energy demand, and is expected to increase to over 33%."

LRS71-6193**Sherrill, Robert.**

The invisible Senator. Nation, v. 212, May 10, 1971: 584-589.

Describes Sen. Metcalf's activities to control the power industry.

LRS71-6203**Lincicome, Robert A.**

Electric utilities can't avoid leadership in railroad electrification. Electric light & power, May 1971: 27-32.

Describes trends in railroad electrification and what will be required of electric utilities.

LRS71-6265**Young, H. J.**

Electric transportation—now and in the future. EEI [Edison Electric Institute] bulletin v. 39, Mar.-Apr. 1971: 76-79.

LRS71-6291**Brower, David.**

Should the Alaska pipeline be approved? New scientist and science journal, Apr. 8, 1971:79-81.

"When public hearings opened in Washington recently on plans for a trans-Alaska oil pipeline, the oil industry expected federal approval to follow rapidly. Instead, objections have multiplied, and the pipeline project now looks farther away than ever. An American conservationist puts the case for the opposition."

LRS71-6409

Reports from world nuclear power station sites, part 3. Nuclear engineering, v. 16, May 1971: 420-423.

LRS71-6662**George Washington University, Washington, D.C.**

Program of Policy Studies in Science and Technology.

Legal, economic, and technical aspects of liability and financial responsibility as related to oil pollution. [Washington] 1970. 1 v. (various pagings).

A report has been prepared in response to requirements of section 11 (p)(4) of the Federal Water Pollution Control Act, as amended by the Water Quality Improvement Act of 1970. In support of that report, this study, a second volume ("the Study"), contains the detailed findings of investigations under contracts administered by the Coast Guard.

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