

# THE JOURNAL OF ENERGY AND DEVELOPMENT

INDEX

Volume X

Nos. 1-2

Autumn 1984 - Spring 1985



Professor Ragaai El Mallakh

*Editor*

Issued twice yearly by the International Research Center for Energy and Economic Development (ICEED), Boulder, Colorado. Annual subscription rates (surface post included): Institution / general, \$44; University and public libraries, \$36; Academic (faculty / student, personal payment), \$24. All communications and subscriptions should be sent to: The *Journal of Energy and Development*, 850 Willowbrook Road, Boulder, CO 80302 U.S.A.

E-mail: [iceed@Colorado.EDU](mailto:iceed@Colorado.EDU)

Web site at <http://www.iceed.org/>

Copyright © 1985 by the International Research Center for Energy and Economic Development

ISSN: 0361-4476

## INDEX TO VOLUME X

No. 1 — Autumn 1984

### ARTICLES

Japan's Energy Supply/Demand Structure and Its Trade Relationship with the United States and the Middle East <i>Masao Sakisaka</i> .....	1
International Energy Agency Strategies to Cope with Energy Uncertainties <i>Herman T. Franssen</i> .....	13
The Security of Oil Supplies: Prevalent Views Among Oil Consumers and Producers <i>Abdulaziz Al-Sowayegh and Walid Sharif</i> .....	29
An Analysis of the U.S. Oil and Gas Drilling Cycle, 1940-1983 <i>Herminio Blanco and John P. Walter</i> .....	39
Unemployment and Drilling Activity in Major Energy-Producing States <i>David P. Manuel</i> .....	45
Sulfur Dioxide: State versus Federal Control <i>Bruce Yandle</i> .....	63
Long-Term Contracts and Market Forces in the Natural Gas Market <i>Michael E. Canes and Donald A. Norman</i> .....	73
Interfuel Substitution and Cyclical Volatility in U.S. Natural Gas Markets <i>T. J. Considine</i> .....	97
Energy Finance and Investment in a Changing Environment <i>Noritoshi Mabuchi</i> .....	111

Changes in Policies Affecting U.S. Natural Gas Trade <i>Leonard B. Levine</i> .....	117
Strong Dollar, Low Inflation, and OPEC's Terms of Trade <i>Mohammad Shaaf</i> .....	121
 BOOK REVIEWS	
Sam H. Schurr, Sideny Sonenblum, and David O. Wood. <b>Energy, Productivity and Economic Growth: A Workshop Sponsored by the Electric Power Research Institute,</b> reviewed by <i>William S. Peirce</i> .....	129
Mohan Munasinghe and Gunter Schramm. <b>Energy Economics, Demand Management and Conservation Policy,</b> reviewed by <i>Corazón Morales Siddayao</i> .....	133
J. K. Onoh. <b>The Nigerian Oil Economy: From Prosperity to Glut,</b> reviewed by <i>John J. Struthers</i> .....	138
George Baker. <b>Mexico's Petroleum Sector: Performance and Prospect,</b> reviewed by <i>John P. Walter</i> .....	142
Meredith S. Crist and Arthur B. Laffer. <b>Future American Energy Policy,</b> reviewed by <i>Alan R. Plotnick</i> .....	146
Alvin L. Alm and Robert H. Weiner. <b>Oil Shock: Policy Response and Implementation,</b> reviewed by <i>T. Randall Curlee</i> .....	149
Paul Stoneman. <b>The Economic Analysis of Technological Change,</b> reviewed by <i>Gerhard Rosegger</i> .....	155
Vaclav Smil. <b>The Bad Earth: Environmental Degradation in China,</b> reviewed by <i>Hung-Yeh Kao</i> .....	157
 BOOKS/PUBLICATIONS RECEIVED .....	 161

## INDEX TO VOLUME X

No. 2 — Spring 1985

### ARTICLES

Petroleum Economics and Management <i>John R. Miller</i> .....	165
Trends of Energy Use in Brazil: Is Self-Sufficiency in Sight? <i>André Ghirardi</i> .....	173
Basic Industries Development by SABIC: Eight Years' Experience <i>Abdulaziz S. Al-Jarbou</i> .....	193
Energy Prices and Municipal Bond Ratings: Are Interregional Terms of Trade Shifting? <i>Anthony Loviscek and Frederick Crowley</i> .....	201
The Size of the Oil Industry in Mexico's Economy <i>George Baker</i> .....	213
Future Prospect for Alternative Sources of Energy <i>Mahjoob A. Hassanain</i> .....	231
Electric Power in Indonesia's Fourth Five-Year Development Plan <i>Abdul Kadir</i> .....	239
The Causal Relationship Between Energy and GNP: An International Comparison <i>Eden S. H. Yu and Jai-Young Choi</i> .....	249
Latin American Energy Cooperation and Its Extension to Other Developing Countries <i>Alejandro Cruz</i> .....	273

### BOOK REVIEWS

Bela Gold, William S. Peirce, Gerhard Rosegger, and Mark Perlman. <b>Technological Progress and Industrial Leadership: The Growth of the U.S. Steel Industry, 1900-1970,</b> reviewed by <i>Wesley J. Yordon</i> .....	285
--	-----

Raymond F. Mikesell. <b>Petroleum Company Operations and Agreements in the Developing Countries,</b> reviewed by <i>Deborah J. Brown</i> .....	288
Abbas Alnasrawi. <b>OPEC in a Changing World Economy,</b> reviewed by <i>Mohammed E. Ahrari</i> .....	292
R. W. Ferrier. <b>The History of the British Petroleum Company: Volume I, The Developing Years 1901-1932,</b> reviewed by <i>Joseph Tovey</i> .....	294
Cambridge Energy Research Associates and Arthur Andersen & Company. <b>The Future of Oil Prices: The Perils of Prophecy,</b> reviewed by <i>René D. Zentner</i> .....	299
George Horwich and David Leo Weimer. <b>Oil Price Shocks, Market Response, and Contingency Planning,</b> reviewed by <i>T. Randall Curlee</i> .....	301
Ronald A. Morse and Daniel K. Chapman, eds. <b>Issues in East Asian Energy Development,</b> reviewed by <i>Alan R. Plotnick</i> .....	306
Adda Guecioueur, ed. <b>The Problems of Arab Economic Development and Integration,</b> reviewed by <i>Robert Looney</i> .....	309
Sterling Brubaker, ed. <b>Rethinking the Federal Lands,</b> reviewed by <i>Bruce Yandle</i> .....	311
Cyrus M. McKell, et al. <b>Paradoxes of Western Energy Development: How Can We Maintain the Land and the People If We Develop?,</b> reviewed by <i>Robert W. Rycroft</i> .....	313
BOOKS/PUBLICATIONS RECEIVED .....	317

## INDEX TO VOLUME X

---

*The Journal of Energy and Development* is indexed or abstracted in *A Matter of Fact*; *Abstracts in Environmental Management*; *Contents of Recent Economic Journals* (Her Majesty's Stationary Office, London); *Current Contents: Social and Behavioral Sciences*; *EconLit*, *e-JEL*; *Environmental Abstracts*; *Environmental Periodicals Bibliography*; *Journal of Economic Literature*; *Linguistics & Language Behavior Abstracts*; *Middle East Journal*; *Monthly List of Selected Articles* (United Nations, Geneva); *Social Sciences Citation Index*; *Social Services Abstracts*; *Sociological Abstracts*; U.S. Department of Energy, *Energy & Science Technology Database (EDB)*; and *Worldwide Political Science Abstracts*. Reprints may be obtained from Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, Massachusetts 01923; William S. Hein & Co., Inc., 1285 Main Street, Buffalo, New York 14209; OCLC Public Affairs Information, 521 West 43 Street, New York, New York 10036; and UnCover, 3801 East Florida Avenue, Suite 200, Denver, Colorado 80210. Back issues of *The Journal* may be obtained from William S. Hein & Co., Inc.