PERSONAL PROFILE ...

President, Lithosphere Commission Becomes New Director General of Geological Survey of Canada

Dr. Raymond A. Price, well known for his for scientific leadership in both the national and international geoscience community, has been appointed the 16th Director General of the Geological Survey of Canada, effective January 1, 1982.

Dr. Price graduated from the University of Manitoba, Canada, in 1955 and carried out postgraduate studies at Princeton University, receiving his doctorate in 1958. He first began his career with the GSC as a student assistant during the summers of 1952-55, and then in 1958 as a Geologist and a Research Scientist. Ten years later he left the GSC to join the Department of Geological Sciences at Queen's University, Kingston, Ontario, serving as Associate Professor from 1968-70, as Professor from 1970-81, and as Head of Department from 1972-77. In 1981 he rejoined the GSC as a senior Research Scientist and coordinator of the 1:1 million Geological Atlas Project.

Throughout his career at the GSC and at Queen's University, Dr. Price specialized in regional tectonics and the structural geology of the Southern Rocky Mountains in British Columbia and Alberta, Canada. He has gained further acclaim for his contributions in regional and interregional tectonic evolution

and synthesis, especially in addressing problems requiring the combined talents of geologists and geophysicists. He has an impressive record of over 80 publications, mainly in the fields of geotectonics, stratigraphy and structural geology.

Dr. Price is currently President, Inter-Union Commission on the Lithosphere (See *EPISODES* 1981, No. 3, p. 13-17). He is also a member of the Commission for the Geological Map of the World, the Council and the Centennial Program Steering Committee of the Geological Society of America, and the Committee on International and Scientific Affairs of the National Research Council of Canada. In recent years he has been Chairman of the Canadian National Subcommittee for the International Geodynamics Project, the Foreign Secretary of the Canadian Geoscience Council, and Associate Editor of the *Canadian Journal of Earth Sciences*.

Dr. Price is a Fellow of the Royal Society of Canada, the Geological Society of America and the Geological Association of Canada and is also a Member of the Ontario Association of Professional Engineers, and of several other scientific societies. He was awarded a Killam Senior Research Fellowship 1978-80 and was chosen as a distinguished lecturer for 1980-81 by the Canadian Society of Petroleum Geologists. He is currently an Associate Editor of the *Bulletin of the Canadian Petroleum Geology* and the *Bulletin of the Geological Society of America*, and a member of the editorial board of the *Journal of Structural Geology*.

Meet the New Editor of EPISODES ...

As one for whom the health and progress of *EPISODES* has been a long-term day-to-day concern, I am delighted to introduce its new editor, **Dr. Antony R. Berger** of Canada.

"*EPISODES*", he said recently, "should evolve into the most important international newsmagazine in geoscience. It should reach the widest possible audience, North and South. The next few years will be crucial for they will test both our creativity and our finances, and I am really looking forward to these challenges."

Tony Berger's background is ideally suited to meeting these challenges. Former Associate Professor of Geology at Memorial University in Newfoundland, he has just joined the Geological Survey of Canada in Ottawa as a research scientist. "Granites were my first love," he explained, and his 1972 study of granite emplacement and unroofing in Donegal, co-authored with Prof. W.S. Pitcher of the U.K., has been acclaimed internationally.

Most of his recent professional interests, however, have focussed on finding practical ways of assisting geologists to make effective contributions to the economic and social development of Third World countries. As the founding Secretary-Treasurer and currently one of two Vice-Presidents of AGID, Tony spent six active years helping to develop the Association's programs, and helped to edit and supervise many AGID publications. He lists education and training, information management and communications as some of the foundation stones required to build geoscience in developing countries. "I am convinced that non-governmental organizations, such as AGID and IUGS, can provide a meaningful framework and practical mechanisms for participation by geoscientists in research and development projects around the world - though we must also increase efforts to involve funding agencies in our work and our plans."

Tony Berger was born in London, U.K., and was educated in Australia, Canada, U.K., and U.S.A. He has worked in many parts of the world, including Sri Lanka, as a Colombo Plan Lecturer at the University of Pradeniya from 1969 to 1971, and in Thailand for most of 1981 helping to establish AGID's new global headquarters. Still, he confesses that while he enjoys travelling and meeting people almost anywhere in the world, nothing quite compares to "the peace of an early morning on Bonavista Bay, jigging for cod and floating with the cool salty breezes" of Newfoundland.

I know that *EPISODES* readers will share my pleasure in welcoming Tony Berger as my successor, and in extending to him and to the competent *EPISODES* editorial team - Anne Marie Smart, Barbara Collis, Phyllis Gray and Jean Jenness - the very best of luck in 1982.

Vera Lafferty
Past Editor, *EPISODES*

EPISODES Staff:

Sitting (l-r): Anne Marie Smart; Neil Burk; Tony Berger.

Standing (l-r): Barbara Collis; Phyllis Gray.

Absent: Jean Jenness.

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A Text for Biologists, Materials Scientists, and Geologists

by **Joseph I. Goldstein**, *Lehigh University*

Dale E. Newbury, *National Bureau of Standards, Washington, D.C.*

Patrick Echlin, *University of Cambridge, England*

David C. Joy, *Bell Laboratories, Murray Hill, New Jersey*

Charles Fiori, *National Institutes of Health, Bethesda, Maryland*
and **Eric Lifshin**, *General Electric Corporate Research and Development, New York*

Designed for the beginning student in scanning electron microscopy and X-ray microanalysis as well as the worker who utilizes SEM techniques, this textbook emphasizes such areas as the biological specimen, qualitative and quantitative X-ray microanalysis, aspects of sample coating, and the data base of useful parameters for SEM and X-ray microanalysis calculations. approx. 675 pp., illus., 1981, \$29.50 (\$35.40/£18.59 outside US)

GEOBOTANY II

edited by **Robert C. Romans**, *Bowling Green State University, Bowling Green, Ohio*

Presenting work by geologists and botanists, palynologists and paleobotanists, and ecologists and paleoecologists, *Geobotany II* investigates prairie fens and bog fens in Ohio; the paleoecological evidence for environmental changes in "neopaleobotanical" sediments of south Florida; vegetation maps for eastern North America, 40,000 years B.P. to the present; and cupule organization in early plants—among other topics. 272 pp., illus., 1981, \$39.50 (\$47.40/£24.89 outside US)

MASS SPECTROMETRY OF PRIORITY POLLUTANTS

by **Brian S. Middleditch**, **Stephen R. Missler**, and **Harry B. Hines**, *University of Houston*

Designed to expedite access to mass spectral information, this volume offers both the experienced mass spectropist and the novice a convenient source of comprehensive information on 129 priority pollutants. Included are molecular formulas, molecular weight, CAS name and registry number, *Merck Index* reference, EPA ions, and line diagrams. 320 pp., illus., 1981, \$29.50 (\$35.40/£18.59 outside US)

COMPUTER APPLICATIONS IN THE EARTH SCIENCES

An Update of the 70s

edited by **Daniel F. Merriam**, *Syracuse University*

Confirms the computer's versatility as useful in a variety of geological fields, from petroleum exploration to paleoecology. Also covers computer advances in areas including photointerpretation, geochemistry, stratigraphic analysis, information systems, structural geology, geophysics, mineral- and fuel-resource forecasting, and oceanography. A volume in the *Computer Applications in the Earth Sciences* series. 400 pp., illus., 1981, \$45.00 (\$54.00/£28.35 outside US)

THE WATER ENVIRONMENT

Algal Toxins and Health

edited by **Wayne W. Carmichael**
Wright State University

Presents studies of algal toxins in their role as disease agents and basic research now underway on their pharmacological properties to determine their mode of action and usefulness as tools in the study of neuromuscular mechanisms. *Environmental Science Research* series, Volume 20. 504 pp., illus., 1981, \$59.50 (\$71.40/£37.49 outside US)

ENVIRONMENTAL EFFECTS OF OFFSHORE OIL PRODUCTION

The Buccaneer Gas and Oil Field Study

edited by **Brian S. Middleditch**
University of Houston

Uniting the findings of nearly 30 individual research groups from a five-year comprehensive research project in one source, this timely volume assesses the ecological effects of offshore production activities. Volume 14 in the *Marine Science* series, coordinating editor, Ronald J. Gibbs. 464 pp., illus., 1981, \$49.50 (\$59.40/£31.19 outside US)

HANDBOOK OF STABLE STRONTIUM

edited by **Stanley C. Skoryna**

McGill University and St. Mary's Hospital Center, Montreal

The first interdisciplinary monograph to present a truly comprehensive survey of the scientific data on stable strontium, this new work includes coverage of the chemistry and biogeochemistry of strontium; strontium content in various species and dietary ingredients; and possible clinical applications of strontium. 660 pp., illus., 1981, \$75.00 (\$90.00/£47.25 outside US)

BIOMASS CONVERSION PROCESSES FOR ENERGY AND FUELS

edited by **Samir S. Sofer**

University of Oklahoma

and **Oskar R. Zaborsky**

National Science Foundation

This study describes diverse biomass conversion processes, biomass sources, and technical and economic considerations necessary for the effective conversion of biomass into fuels and energy. Topics cover residues and wastes, basic principles of direct combustion, and anaerobic digestion and methanogenesis. approx. 425 pp., illus., 1981, \$49.50 (\$59.40/£31.19 outside US)

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