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Front cover: This year's cover is by Philippe Vipathkun (Santos Ltd). It symbolises the development of the oil exploration and production industry in Australia. The horseman represents the pioneering spirit of the industry at its first commercial production centre in eastern Queensland in the 1960s. The other images—the rigworkers, the 3D seismic display and the beam pump—show the operations, science and technology and production facilities embraced by the E&P industry in the last 40 years.					

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Appreciation is extended to all external reviewers, too numerous to mention, who kindly provided comments on papers. Particular acknowledgement is due to the late David Gravestock (PIRSA) for conducting a review of Apak and Moors' 'A sequence stratigraphic depositional model of Neoproterozoic strata, Yowalga area, Officer Basin, Western Australia' while in ill health.

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ABBREVIATIONS AND ACRONYMMS

AAPG-American Association of Petroleum Geologists.

AmCS—American Chemical Society.

AGI-American Geological Institute.

AGU-American Geophysical Union.

ASLO—American Society for Limnology and Oceanography.

API-American Petroleum Institute.

AAP—Association of Australasian Palaeontologists.

AICD—Australian Institute of Company Directors.

AusIMM—Australasian Institute of Mining and Metallurgy.

ABARE—Australian Bureau of Agricultural and Resource Economics.

 ${\bf AGSO-} Australian\ Geological\ Survey\ Organisation.$

AGPS—Australian Government Publishing Service.

AIMS—Australian Institute of Marine Science.

AIP-Australian Institute of Petroleum.

AJES—Australian Journal of Earth Sciences.

AMC—Australian Manufacturing Council.

AMPLA—Australian Mining and Petroleum Law Association Limited.

AMSA—Australian Marine Science Association.

ASEG—Australian Society of Exploration Geophysicists.

APPEA—Australian Petroleum Production and Exploration Association Limited.

ASME—American Society of Mechanical Engineering.

BMR-Bureau of Mineral Resources.

BRS-Bureau of Resource Sciences.

CSPG—Canadian Society of Petroleum Geologists.

CSIRO—Comonwealth Scientific and Industrial Research Organisation.

EIA—Environment Institute of Australia.

EAOG—European Association of Organic Geochemists.

FESWA—Formation Evaluation Society of Western Australia.

GBRMPA—Great Barrier Reef Marine Park Authority.

GSC—Geological Society of Canada.

GSPNG—Geological Survey of Papua New Guinea.

GSAm—Geological Society of America.

GSA—Geological Society of Australia.

GSL-Geological Society of London.

GSNSW—Geological Survey of New South Wales.

GST—Geological Survey of Tasmania.

GSNZ—Geological Society of New Zealand.

GSSA—Geological Survey of South Australia.

GSV-Geological Survey of Victoria.

GSWA—Geological Survey of Western Australia.

ICA-Institute of Chartered Accountants.

IEA—Institute of Engineers Australia.

IEEE—Institute of Electrical and Electronic Engineers Inc.

IPA-Indonesian Petroleum Association.

MESA—Department of Mines and Energy South Australia.

MCA-Minerals Council of Australia.

NELA-National Environmental Law Association.

NCPGG—National Centre for Petroleum Geology and Geophysic.

NZGS-New Zealand Geological Survey.

NTGS-Northern Territory Geological Survey.

PEANZ—Petroleum Exploration Association of New Zealand.

PESA—Petroleum Exploration Society of Australia.

PESGB—Petroleum Exploration Society of Great Britain.

PASA—Pipelines Authority of South Australia.

QDME—Queensland Department of Mines and Energy.

QGS-Queensland Geological Survey.

RACI-Royal Australian Chemical Institute.

RMIT-Royal Melbourne Institute of Technology.

RSNZ-Royal Society of New Zealand.

RSSA—Royal Society of South Australia.

RST—Royal Society of Tasmania.

RSV—Royal Society of Victoria.

TIA—Taxation Institute of Australia.

SAA-Standards Association of Australia.

SIA—Securities Institute of Australia.

SCA-Society of Core Analysts.

SEPM—Society of Economic Paleontologists and Mineralogists.

SEG—Society of Exploration Geophysicists.

SPE—Society of Petroleum Engineers.

SPWLA—Society of Petroleum Well Log Analysts.

SUT-Society for Underwater Technology.

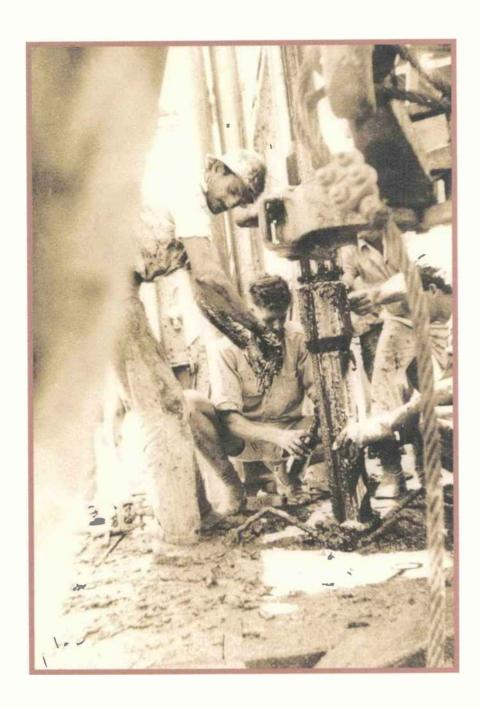
VIMS—Victorian Institute of Marine Science.

WAMPRI—Western Australian Mining and Petroleum Research Institute.

The APPEA Journal 40th anniversary edition

The APPEA Conference celebrates its 40th anniversary with the Brisbane conference in May 2000. To mark the occasion a series of special section dividers have been used in this APPEA Journal. They are historic photographs from a range of sources. The photographs and illustrations reflect the remarkable past of the exploration and production industry in Australia. The Journal Papers Committee thanks Rick Wilkinson and The Courier-Mail for their assistance by providing photographs from their archives.

Petroleum frontiers, systems and plays



Rough Range-I struck oil in Western Australia in late 1953. Unfortunately the drilling appraisal failed to convert the find to a viable development project.