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Incorporating the scientific and technical papers delivered to the March 1965 Conference of the Australian Petroleum Exploration Association.

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JOURNAL

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1965

# The A.P.E.A. Journal

#### CONTRIBUTED PAPERS

The Editors invite the contribution of Scientific and Technical Papers to the A.P.E.A. Journal. Such Papers, if acceptable to the Editors, will be published in addition to those delivered at the Association's Annual Conferences. The A.P.E.A. Journal is sponsored and financed by the Australian Petroleum Exploration Association in order to publish its Conference Papers and to encourage the preparation of Papers on Australian petroleum geology and allied exploration subjects for publication in Australia. Papers should be submitted to the Editors through the Secretary of the Association at 56 Hunter Street, Sydney, N.S.W.

# Acknowledgements

The Council of the Association records its appreciation of the support given to the 1965 Conference by the Authors of Papers, of the efforts of the Organising Committee, and of those who voluntarily assisted during the Conference.

This volume of the A.P.E.A. Journal has been published for the Australian Petroleum Exploration Association by Technical and Industrial Press Pty. Limited, publishers of the Australasian Oil and Gas Journal. Papers dealing with general subjects in engineering techniques and equipment, drilling, and economic matters are published in the Australasian Oil & Gas Journal by arrangement with the publishers.

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# Australian Petroleum Exploration Association Limited

## GENERAL AIMS AND OBJECTS

#### Formation of the Association

In forming this Association the founders had in mind the need to create a body whose prime function was to help Australia to self-sufficiency through the discovery of commercial oil, and generally to promote and develop the interests of the Australian petroleum industry.

Clearly a first opportunity to advance this objective lay in unifying the activities of companies not otherwise organised or united, who had the same objectives. A continuing task is the co-ordination of thinking and activities which will be necessary in this fast-developing industry of oil exploration and the presentation of a united front in connection with public and governmental relationships.

The Association has provided a melting-pot for ideas and policies, out of which it has evolved its own. It represents an informed and united body of opinion; and whilst it obviously represents the collective interests of its membership, it does not sponsor policies based on individual self-interest.

# Promotion of Sound Practice and Ethics

The Association is intent upon seeing that the best experience of other oil-producing nations is carefully studied and incorporated into Australian oilfield and industry practices.

It is desirous of promoting the industry upon sound, well-established principles and of introducing a code of ethics acceptable to the industry throughout Australia and overseas.

It is designed to protect and preserve the interests of persons, firms and companies solely or principally engaged in the business of exploring for, producing and refining petroleum in Australia.

#### Education of the Public

It is also intent upon the proper education of the Australian public in relation to oil exploration, production and development generally and with promotion of a high degree of confidence between members of the public and the industry.

#### Advancement of Modern Scientific Methods

The Association takes an active part in the distribution of information regarding new scientific approaches and methods and has sponsored special courses in well logging (by Schlumberger) and hydrodynamics (by Petroleum Research Corporation) and holds a conference annually at which Papers are presented on petroleum geology, exploration methods and oilfield practice. These Papers are subsequently published for the Association in this Journal and other publications.

#### Maintenance of Good Relations with Governments

It is most desirable that Government legislation and regulations which affect the industry should be based on sound principles and practice. Such governmental policies are necessary to ensure satisfactory investment (and reinvestment) for Australia to become self-sufficient in petroleum and thereby alleviate the pressing economic and defence problems caused by our complete dependence on imported crude oil. The Association maintains a close connection with Government Departments in this respect and presents the industry's viewpoints to the best advantage.

#### Membership

Those exploration companies, service companies and persons engaged in the exploration industry who are not members of the Association are invited to seek information regarding membership. Although most of the Australian exploration companies and many service companies are members, the Association wishes to maintain the broadest membership possible.

FULL MEMBERSHIP is available to any bona fide explorer for oil or any companies, firms or persons having registered in their name any authority, permit or licence to prospect for petroleum in Australia, or having a participation in such.

ASSOCIATE MEMBERSHIP (non-voting) is available to service companies and similar organisations and to individuals with interests in petroleum exploration or any affiliated business or activity.

Membership is subject to the approval of the Council of the Association.

Further information can be obtained from the Executive Director, K. M. Horler, at 56 Hunter Street, Sydney, N.S.W., G.P.O. Box 834. Telephone 28-6884.

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If signed by an Attorney, the relative Power of Attorney must be submitted for inspection.

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THE A.P.E.A. JOURNAL, 1965

Article 5 states: In addition to the persons eligible for membership under the last preceding clause the Association may admit any person or company to associate membership and such latter type of membership shall carry such privileges and be subject to such terms and conditions as the Association may from time to

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# APEA 1966 CONFERENCE

The 1966 Conference of the Australian Petroleum Exploration Association will be held at Chevron Paradise Hotel, Surfers Paradise, Queensland, from 14th to 16th March.

Inquiries regarding accommodation, registration and transport arrangements should be addressed to the Association at 56 Hunter Street, Sydney, New South Wales, Telephone 28-6884; K. M. Horler, Executive Director and Secretary.

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## THE APEA JOURNAL

Papers presented at the APEA Conferences and other contributions accepted by the Editors are published periodically in the Association's scientific and technical journal.

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