



**JOURNAL  
OF THE  
CANADIAN SOCIETY  
OF  
EXPLORATION  
GEOPHYSICISTS**

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## THE CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

The C.S.E.G. was founded in 1949

The Canadian Society of Exploration Geophysicists is an association of exploration professionals who are dedicated to promote the science of geophysics in the fields of petroleum, mining and ground water exploration, and to promote fellowship and cooperation among those persons and organizations interested in geophysical problems.

Our Society has over 1,000 members at the present time. Membership fees are \$12.00 Canadian per year, which also includes the cost of the CSEG annual technical Journal.

Active membership may be granted to anyone engaged or interested in the geophysical profession. All applicants must be sponsored by two members of the Society, with the exception of S.E.G. members who require no sponsors. Enquiries should be directed to the CSEG Membership Committee, P.O. Box 117, Calgary, Alberta.

Technical luncheon meetings are held monthly, except July and August, in Calgary, Alberta.

### C.S.E.G. JOURNAL

1. Subscriptions are given to all members of the Society in good standing.
2. Claims for non-receipt must be sent within three months of publication.
3. Advertising rates will be sent upon request.
4. Previous issues are still available. For prices contact the Business Manager.

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## PRESIDENT'S PAGE

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The geophysical industry in Canada dates back approximately 50 years. Over that time it has matured to the point that advances are continually being developed to meet the challenge of providing effective and efficient exploration in the difficult geological, environmental and climatic conditions peculiar to Canada. Over the last almost 30 years the CSEG has grown and matured with the industry to where it is now a strong and vital force in fostering and maintaining a geophysical industry which can boast of being the best technically qualified in the world. Much of the credit for the high level of technical competence can be attributed to the active technical program of the CSEG. This program includes regular technical luncheon meetings, a major annual convention, and numerous continuing education programs. In 1976 there were 9 luncheon presentations covering the latest advances in several areas of geophysics. The 1976 Annual Convention provided several specialized and interdisciplinary geological-geophysical papers. Our continuing education program in 1976 provided and has planned for technical updating for geophysicists in interpretation, processing, well logging, field techniques, and seismic stratigraphy.

To complement the verbal technical presentations and to reach the entire industry, a technical society such as the CSEG must provide a means of publishing the advances in technology. In 1965 the CSEG reached the stage of maturity that it could serve the industry in that role by publishing the CSEG

Journal. We have published only one issue per year, however, this has been by design with the emphasis on quality rather than quantity. As a result there have been several papers published in the Journal that have since been recognized as significant contributions to the geophysical literature. This policy of emphasizing quality is also exemplified in this issue which contains five very good papers of practical interest to all segments of the industry.

In 1977 the CSEG reached another milestone with its commitment to publish the 30th Anniversary Commemorative Volume in 1979. This publication is planned to feature solicited contributions on problems, solutions and techniques relative to geophysical exploration in Canada. This project is now being worked on by an active committee. However, in order for it to be a major success the cooperation of the industry will be required. Individuals and companies alike should respond positively when approached to contribute a paper in the field in which they are a recognized authority. It is hoped that what at first may be considered to be proprietary information will in the final analysis be offered for publication. In the long run contributions will benefit the entire geophysical industry. In fact the health of the entire petroleum industry and our country as a whole will benefit from a free exchange of the available technology. The CSEG Journal and planned Anniversary Volume — Exploration Geophysics in Canada, is aimed at fostering this exchange.

W. D. Evans