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JOURNAL OF THE CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

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CANADIAN SOCIETY  
OF  
EXPLORATION GEOPHYSICISTS  
P.O. Box 117, CALGARY, ALBERTA, CANADA

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## CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

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#### CONVENTION ANNOUNCEMENT

The Canadian Society of Exploration Geophysicists with the Canadian Geoscience Council will host a national convention in Calgary from April 17 - 19, 1974. The convention theme will be "Geophysics Canada — An Information Update."

Technical sessions will be held under four general headings. These are Data Acquisition Methods, Data Processing Methods, Interpretation Methods and under a general heading which will include papers on governmental, environmental and professional topics.

It is our desire to achieve both a technical and delegate representation from the governmental, university, mining and petroleum sectors of the geophysical community.

## 1973 CORPORATE MEMBERS OF THE C.S.E.G.

The following individuals and companies have contributed funds to the CSEG in the amount of \$50.00 or more and have received corporate memberships for 1973. These contributions are used to provide scholarships for students studying in Geophysics or related fields.

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

The following companies made contributions to C.S.E.G. to support the Journal:

- Amoco Canada Petroleum
- Bow Valley Exploration
- Brascan Resources Ltd.
- Canada Cities Service
- Canada Northwest Land Ltd.
- General Crude Oil Company, Northern
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## PRESIDENT'S PAGE

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The C.S.E.G. contains a very broad spectrum of members, ranging from company presidents to new trainees, from people working on sophisticated research projects to those working in muddy field operations, from small one man companies to people working in a large major company, but one of the common denominators of all members of the society is the accumulation and dissemination of technical information.

In 1973, the C.S.E.G. held its first annual convention. It was a tremendous success for many reasons, but mainly because of the excellence of the technical papers. There was some apprehension that there may not be sufficient papers available but it turned out that there were more than could be used. This is a good indication of the advanced stage of technology and expertise that the C.S.E.G. membership has attained. This shouldn't be surprising when one considers the vastness of Canada and the variations that are encountered in its sedimentary basins. Every conceivable geological and geophysical problem can be found not only in obtaining and interpreting the information, but in designing field equipment to acquire this basic data.

Where else does one find surface conditions comprised of floating muskeg in one area, permafrost and ice covered waters in others, from areas of no drift to areas of hundreds of feet of drift, from sediments underlying a few feet of water to those underlying thousands of feet of water, from thin flat lying sediments to very thick steeply dipping and highly faulted areas comprising the widest range of carbonates, evaporites, sands and shales found anywhere. Every one of these conditions requires special treatment.

The geophysicist has to be, and is, one of the most imaginative and ingenious of all scientists because there are so many variations in the problems that are being considered. This presents the greatest opportunity for new concepts and research to be developed and reported on.

In stressing the scientific aspects, one shouldn't forget the role that the equipment manufacturers and service companies have played in designing new equipment suitable for wide ranging types of terrain and environmental conditions that prevail in Canada. The geophysicists are real pioneers of the oil industry. They have to make surveys in frontier areas where often times man has not set foot before. They work in hostile climates that old explorers had to plan years in advance before commencing their journey. Today it is done as a matter of routine. Through the years, Canadians have acquired wide experience with track vehicles, specialized drilling and recording equipment, and custom camps to the point where they have designed and built the best available anywhere. Not only are they being used in Canada, but they are being exported to many countries around the world.

Geophysical exploration in Canada offers many challenges but with knowledge and dedication, the geophysicist will solve the problems as he has done so often in the past. In so doing it will provide much new material for writing articles and reports for journals and technical meetings. It is important that everyone work as a team in exchanging ideas if the industry is going to be successful in finding adequate reserves of hydrocarbons for future generations of Canadians.

## C.S.E.G. JOURNAL EDITOR'S REPORT

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For the year 1973, we had the same problems as previous editors: a lack of papers contributed to the Journal. As a result of two cancellations of promised papers at the last minute, the Journal was delayed.

It is our feeling that the Journal, along with the noon meetings are the two most important activities of the Society since they carry out what should be the primary objectives of the C.S.E.G.: the dissemination of information to its members, and to expand our overall knowledge of Exploration Geophysics. If we are to keep abreast of new developments in the geophysical industry, we must make full use of these two activities. We strongly urge all contributors to the C.S.E.G. noon technical meetings to submit their paper for publication in the Journal at the same time. If this is done, there should be enough

technical papers to publish two journals per year!

At the same time, we request the contributors to the 1974 C.S.E.G. National Convention that they consider publication of their papers in the C.S.E.G. Journal.

I would like to express my appreciation to the C.S.E.G. executive for their continued support, to Mr. Norman Pullin for his excellent work in Journal advertising, to Mr. Doug Perry for his editorial work in the C.S.E.G. Newsletter, and especially to Dr. Easton Wren, our Assistant Editor, for his invaluable assistance.

In closing, I wish Dr. Easton Wren, the new editor for 1974, a successful year, wishing that 1974 may be the first year in which contributed papers are overabundant.

RAFAEL B. CRUZ