

# ANNOUNCEMENT

## FOURTH INTERNATIONAL KIMBERLITE CONFERENCE PERTH, WESTERN AUSTRALIA

11-15 August, 1986

The conference will continue the tradition established by the three preceding International Kimberlite Conferences, in providing a forum for the presentation and discussion of papers on kimberlites and closely related rocks. Topics for discussion will include their occurrence, mantle source, genesis, mineralogy, diamond content and exploration.

### Programme Structure

- I. WHAT ARE WE CONCERNED WITH?  
Descriptive lithology, mineralogy, petrology and geochemistry of kimberlites and closely related rocks and their constituent minerals—excluding xenoliths and xenocrysts.
- II. WHEN AND WHERE DO THEY OCCUR?  
Their distribution in geologic space and time; their tectonic setting and regional occurrence; possible causes of observed distribution patterns.
- III. HOW DO THEY FORM?  
Upper mantle processes, magma genesis, ascent and eruption.
- IV. WHAT IS THE NATURE OF THE UPPER MANTLE AND LOWER CRUST?  
Descriptive lithology, mineralogy, petrology and geochemistry of xenoliths and xenocrysts; physical and chemical conditions within the upper mantle and lower crust.
- V. DIAMONDS  
All aspects of diamond research, including inclusions in diamonds. Contributions relating to diamonds may also be included in other sections if more appropriate.
- VI. DIAMOND EXPLORATION  
Exploration for primary and alluvial deposits of diamonds, including: concepts, exploration technology, evaluation procedures and case histories.
- VII. WHAT DON'T WE KNOW AND WHAT SHOULD WE DO?  
Gaps in our knowledge and future directions in kimberlite research.

Those who plan to present papers should contact:

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