

NEWSLETTER

New Concepts In Global Tectonics

**No. 31, June 2004 Editors J.M. Dickins and
D.R. Choi**

FROM THE EDITORS

What can I add to the summary contained in From the Editors in our last number? I can start by summarizing major, fundamental advances in knowledge which have occurred since plate tectonics in mainstream geology cut off the steady development of classical geology in the 1960s and 70s.

These include:

- The oceans are underlain by a Precambrian basement.
- The world system of lineaments is found throughout the oceans and the continents. Substantial areas of the present oceans were land or shallow sea until after the mid-Cretaceous since when much deepening has continued into the present.
- The oceans and continents as we see them today begin to appear only from the beginning of the Jurassic when a major structural change was accompanied by foundering and basaltic magmatic activity. This was particularly strong in the Upper Jurassic and Lower Cretaceous (up to the mid-upper Albian). The Triassic-Jurassic boundary is marked by a strong change in biota which reflected the very strong environmental changes.
- From the mid-Cretaceous, the present Alpine-Himalayan and the circum-Pacific mountain systems developed accompanying an increase in the earth's relief, the deepening of the oceans and the increased uplift in the land.
- The deep earthquakes are associated with lineaments which can be traced deep into the mantle. (*Continues to the next page*)

PLEASE NOTE - FINANCIAL SUPPORT

We are asking for financial support to the extent of US\$30 (A\$45) or more or the equivalent from individuals who are able and US\$50 (A\$75) or the equivalent for libraries. As only small sums of money are involved, in order to....

CONTENTS IN THIS ISSUE

From the Editors.....	1
News, IGC32, Italy.....	2
Articles	
Criticism of Hess's model of the oceanic crust, by I.A. REZANOV.....	5
Volcanic eruptions predicted by the energy transmigration phenomenon – a case of Mt. Stromboli Volcano, Italy, by C. BLOT.....	10
Illustrating concepts in global tectonics with world maps with constant scale natural boundaries (CSNB)*, by C.S. CLARK.....	15
Comment on the Pacific Basin, by A.C.M. LAING.....	19
Publications	
Oceanization of the Earth – an alternative to neomobilism. Collected scientific works.....	20
Obituary.....	25