

Book review

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*Book Review***Treatise on the Geology of Trinidad**

HANS G. KUGLER

Part 1

Trinidad - La Trinité by Hans G. Kugler. *Lexique Stratigraphique International, Amerique Latine, Fasc. 2b: Antillies*, 1956.

Part 2

Geological Map of Trinidad 1 : 100'000; Geological Sections through Trinidad 1 : 100'000 by Hans G. Kugler 1959 (published 1961). A set of this map and sections are included in Part 3

Part 3

32 Detailed Geological Maps and Sections with Explanatory Notes,
3 Correlation Charts and the Map and Sections of Part 2.
Published 1996 by the Museum of Natural History, Basel.

Part 4

The Paleocene to Holocene Formations of Trinidad by Hans G. Kugler.
Part 4 is complementary to Part 3 in that it provides the text to most of the 32 maps and sections.
Published 2001 by the Museum of Natural History, Basel.
Printed by Birkhäuser

Orders for Parts 3 and 4 are to be directed to the
Geology Department,
Museum of Natural History, Augustinergasse 2, P.O. Box,
CH-4001 Basel, Switzerland.
Part 3: CHF 150, USD 100,
Part 4: CHF 100, USD 65.
Part 3 and 4 as a package: CHF 175, USD 115.

The first three parts of the *Treatise* were reviewed 1996 in *Bull. angew. Geologie / Bull. appl. Geology*, v 1/1, p. 54. They consisted of the *Lexicon on Stratigraphic Units*, published 1956; the *Geologic Maps and Sections 1 : 100'000* published 1959; and the *Detailed Geological Maps and Sections* published 1996 by the Natural History Museum, Basel.

Since the publication of the above Parts 1–3 of the *Treatise* has now appeared as Part 4, Hans Kugler's description of the Trinidad Paleocene to Holocene formations. The original manuscript consisted of 801 typewritten pages in which 23 formations and in separate chapters the Pliocene, Pleistocene and Recent are described. This manuscript is reproduced in full with few adjustments by the editors H.M. Bolli and M. Knappertsbusch. Additions to the text include the placing of the respective ages below the formation titles. As the text of Part 4 and the Detailed Maps and Sections of Part 3 are complementary, references are made in the text to the maps and sections of Part 3.

Each formation and member is described in the same systematic way. Below title, age and author follows its bibliographic history, description of type locality and type section including thickness and lithology. Under the heading paleontology are mentioned the occurring mega- and microfossil groups and lists of taxa present taken from published records, but also from private oil company reports. The paleontology part is followed by headings such as age, paleoecology, stratigraphic relationships, regional extent, facies changes and regional correlations. A joint list of references for all the formations treated completes Part 4.

Though not formal parts of Hans Kugler's Treatise on the Geology of Trinidad, the following three publications are closely related to it. One is the revised geological map 1 : 100'000 of Trinidad edited by John B. Saunders, published 1997. The revised map is an updated version of Hans Kugler's 1959 map. The differences between the two maps concern mainly the area of the Northern Range, while the central and southern parts remain largely unchanged. Issued together with the Trinidad revised map is a Geological Map 1 : 100'000 of Tobago, dated 1998, authored by A. W. Snoke et al. These two maps of Trinidad and Tobago are printed together on a large rather difficult to handle sheet. The paper on which the two maps are printed is of a delicate glossy type which brings out the colors much brighter than is the case on the original Kugler map. Requests for the two maps are to be addressed to: Chief Technical Officer, Ministry of Energy, Box 96, Port of Spain, Trinidad, West Indies.

Another contribution closely related to the Treatise is Bramine Caudri's. «The larger Foraminifera of Trinidad». It contains a monographic description and illustration of this fossil group and is of great value for the stratigraphic dating of the numerous Trinidad localities investigated. The manuscript consisting of 501 typewritten pages was completed in 1985 and deposited for eventual publication at the Basel Natural History Museum. After some necessary condensation of the text by the editors H.M. Bolli and J.P. Beckmann the paper appeared in *Eclogae geol. Helv.* v.89/3, pp. 1137-1309, 1996.

H.M. BOLLI

Mitteilung

Explorationsbohrung Weiach-2 suspendiert

Die im August/September 2000 vom Konsortium Forest Oil Int.-Petroleum Ltd.-SEAG abgeteufte Explorationsbohrung wurde nach ersten Testarbeiten vorläufig suspendiert. Das Kristallin wurde in einer Rekordzeit von 17 Bohrtagen mittels Spülungs-/Luftverfahren bei der Endtiefe von 2014 m erreicht. Ein erster Test in Sandsteinen des Karbons hat keine schlüssigen Resultate geliefert. Zur Zeit werden von verschiedenen Spezialisten umfassende petrophysikalische Auswertungen der geophysikalischen Logs durchgeführt, um mögliche weitere Teste vorzubereiten.