

The large number of aquatic insects in the deposits poses a number of interesting questions. The continuous deposition of asphalt from Middle Pleistocene to this day gives a wonderful opportunity for paleoecological study.

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 Stratigraphic Distribution of Foraminifera of Type Luisian Stage, California

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 Stratigraphy of Cuyama Valley Area, California

The sedimentary rocks in Cuyama Valley range in age from Cretaceous(?) to Pliocene-Pleistocene. The major rock units in ascending order are: Cretaceous(?) interbedded sandstone and shale; Pattiway formation, Eocene(?); Simmler formation, continental Oligocene(?); Soda Lake sand, Soda Lake shale, and Painted Rock sand members of the lower Miocene Vaqueros formation; Saltos shale and Whiterock shale members of the lower and middle Miocene Monterey formation; Bitter Creek formation, the sand equivalent of the Monterey formation; Caliente formation, in large part the eastern continental equivalent of the Bitter Creek and Monterey formations; Santa Margarita formation, upper Miocene and its continental equivalent on the east, the Quatal formation; and the Morales formation, continental Pliocene(?).

The time-stratigraphic sequence of some of these rock units can be determined from microfaunal, megafaunal and vertebrate fossil assemblages.

NINETEENTH INTERNATIONAL GEOLOGICAL CONGRESS, ALGIERS, 1952¹

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The decisions of the Council during its business meetings have become available through W. E. Wrather who headed the U.S.G.S. delegation.

At the third meeting after two preliminary meetings, the following Permanent Commissions were approved.

1. Spendiarov Prize
2. Lexicon of Stratigraphy
3. Crust of the Earth
4. Geological Map of Europe
5. Geological Map of the World
6. Distribution and Correlation of the Gondwana System
7. International Geological Map of Africa
8. Association of African Geological Surveys
9. Authors' Abstracts
10. Determination of Geologic Age by Radiological Methods
11. World Physiographic Province Map
12. Meteorites

The following Temporary Commissions were approved:

1. Pliocene-Pleistocene Boundary
2. Division of the Carboniferous System into Two Sub-Systems
3. International Palaeontological Union—Fossil Man (Sub-Commission)

Fourth meeting.—Recommended that Schurmann's (Netherlands) proposal to print papers in advance of the meetings be referred to the Organizing Committee of the XXth Congress.

After a prolonged discussion of a proposal to recommend the formation of an International Geological Union in which it was apparent that such an International Union would not meet with unanimous approval, the following resolutions were adopted.

1. The International Geological Congress should continue autonomously as it is.
2. That a national union, which could assist the Congress, be created in each country.

¹ Manuscript received, December 4, 1952.

² Chairman of A.A.P.G. delegation.