

List of samples examined

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branches like our Paleocene form; articulated stems do, however, occur in other members of the family.

Thin sections of this peculiar limestone were submitted to Dr. E. Gasche of the Basel Museum of Natural History for a preliminary examination. In one case, Dr. Gasche thought the fossils might be related either to the genus *Acicularia*, one of the Dasycladaceae, or to the Family of the Codiaceae, which likewise belongs to the Order of the Siphonales. No trace, however, was found of the matted "tissue" of combined "hairs" which is often characteristic of the latter family. It was also suggested by him that the common single tubes in the rock sections of J. S. 1954 (Pl. 29, Fig. 14) might be *Ovulites cf. elongata* LAMARCK and that some other specimens would represent a new species of *Marinella*. Meanwhile, awaiting the thorough study they deserve, these peculiar organism are here recorded as "Dasyclad algae".

Because of the lack of Larger Foraminifera in the Dasyclad algae limestone and, on the other hand, the abundance of mollusks in some of the samples, these reef deposits are considered as closely linked to the coquinas of Bed 2 and thus as a slightly older element of the Soldado Formation than the Ranikothalia limestone.

Occurrence: K. 3876 (abundant, together with common gastropods and pelecypods), K. 10711 (rock-building), K. 10724 (rock-building), K. S. 25? (very rare, in an Amphistegina-Lithothamnium limestone), Z. 444 B? (very rare, in a pelecypod- and gastropod-coquina), J. S. 1949 (rock-building; sample showing evidence of tidal currents), J. S. 1954 (rock-building).

Unidentified fossils

(Pl. 30, Fig. 3, 4)

At K. 10711 was found a boulder of recrystallized limestone composed of a kind of organisms (algae?) that are similar in shape to the Dasyclad algae, but are much larger and apparently also of a different texture. They have to be left unidentified at the present moment.

List of samples examined

For the spotmap of all the fossil localities mentioned above the reader is referred to the first part of this study on Soldado Rock (Eclogae geol. Helv. 68/2, after p. 430).

The following is a list of all the samples studied for their fossil contents, in numerical order and with the indication of their stratigraphical position and their location on the map:

T. L. L. 125, block in Bed 3 (C-4)	K. 2651, Bed 9a (E-4)
K. 903, Bed 10 (B-3)	K. 2652, Bed 10 (E-1)
K. 906, block in Bed 3 (C-4)	K. 2851, Paleocene block (E-4)
K. 1316, Bed 9a (D-5)	K. 2854, Bed 9a (E-5)
K. 1321, Bed 4 (B-3)	K. 2855, Bed 7 (F-3)
K. 1496, Bed 11 (B-1)	K. 2948, Bed 2 (C-5)
K. 1499, Bed 9 (E-2)	K. 2949, Bed 2 (C-5)
K. 1500, Bed 10 (B-3)	K. 2950, Bed 3 (C-4)
K. 2650, Bed 9a (D-5)	K. 2951, Bed 3 (C-4)

- K. 2951 B, Bed 4, with Paleocene pebbles (D-4) K. 10724, Paleocene blocks (D-1)
 K. 2954, Bed 7 (D-4) K. 10725, Paleocene block (B-3)
 K. 3677, block of Bed 10 (E-1) Rz. 245, Bed 4 (D-5)
 K. 3689, Bed 10 (A-3) Rz. 247, Bed 4 (F-3)
 K. 3690, Bed 10 (B-3) Rz. 248, Paleocene block (F-3)
 K. 3691, Bed 10 (B-3) Rz. 249, Bed 9 (E-1)
 K. 3692, Bed 10 (D-3) Rz. 250, Bed 10 (D-1)
 K. 3693, Bed 11 (D-3) Rz. 251, Bed 10 (B-3)
 K. 3694, Paleocene block (D-2) Rz. 252, block in Bed 3 (C-4)
 K. 3696, Bed 11 (B-2) Rz. 253, Bed 4 (D-4)
 K. 3737, Bed 9a (E-4) Rz. 254, Bed 3 (D-4)
 K. 3739, various Paleocene blocks and indurated Rz. 255, Bed 3 (D-4)
 limestones of Bed 4 (G-3) Rz. 256, Bed 3 (C-4)
 K. 3740, Paleocene blocks (E-4) Cd. 21, Paleocene block (F-3)
 K. 3741, Bed 9a (D-5) Cd. 22, Paleocene block (G-3)
 K. 3743, Bed 4 ? (C-5) Cd. 23, Paleocene block (G-3)
 K. 3876, Paleocene blocks (F-3) K. S. 23, Bed 4 ? (G-3)
 K. 3878, Bed 11 (C-3) K. S. 24, Bed 4 ? (or Paleocene block ?) (G-3)
 K. 9453, Paleocene block (G-3) K. S. 25, Paleocene block (G-3)
 K. 9454, Bed 2 (B-4) Z. 444 B, Bed 2 (B-4)
 K. 10701, block in Bed 3 (D-4) F. Z. 449, Bed 10 ? (location unknown)
 K. 10702, block in Bed 3 (D-4) F. Z. 451, Bed 10 ? (location unknown)
 K. 10704, Bed 1 (C-5) Gr. 33 (= K. 2854), Bed 9a (E-5)
 K. 10705, Bed 1 (C-5) Gr. 627, Bed 11 (C-3)
 K. 10706, Bed 1 (D-5) E. L. 1440, Bed 11 (C-1)
 K. 10707, Bed 10 (D-3) J. S. 1029, Bed 9a (E-4)
 K. 10708, Paleocene block (D-3) J. S. 1030, Bed 9a (F-3)
 K. 10709, Bed 11 (D-3) J. S. 1223, Bed 9a (D-5)
 K. 10710, Paleocene block (D-3) J. S. 1224, Bed 9a (E-4)
 K. 10711, Paleocene block (D-3) J. S. 1249, Paleocene block (D-1)
 K. 10712, Bed 11 (C-3) J. S. 1950, Bed 10 (D-1)
 K. 10715, block from Bed 11 (B-3) J. S. 1954, Paleocene block (C-1)
 K. 10716, Bed 10 (B-3) J. S. 1955, Bed 11 (B-1)
 K. 10717, Paleocene block (B-2) J. S. 1956, Bed 10 (A-3)
 K. 10718, Bed 10 (B-3) P. J. 1146, Bed 9a (E-4)
 K. 10719, Bed 11 (B-2) P. J. 1147, Bed 9a (E-4)
 K. 10720, Paleocene block (B-2) P. J. 1159, Paleocene block (= K. 2851) (E-4)
 K. 10721, Bed 11 (C-1) P. J. 1160, Paleocene block (= K. 2851) (E-4)
 K. 10722, Bed 11 (C-1) P. J. 1162, Bed 9a (D-5)

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- Actinosiphon barbadensis*, p. 542, Pl. 9, Fig. 1.
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Amphistegina pauciseptata, p. 565, Pl. 23, Fig. 17, 18, 22; 19 cf.
Amphistegina undecima, p. 564, Pl. 1, Fig. 8, 9; Pl. 5, Fig. 11, 12; Pl. 20, Fig. 1-5, 7; Pl. 23, Fig. 6-10, 20, 21.
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Cycloloculina, p. 578.