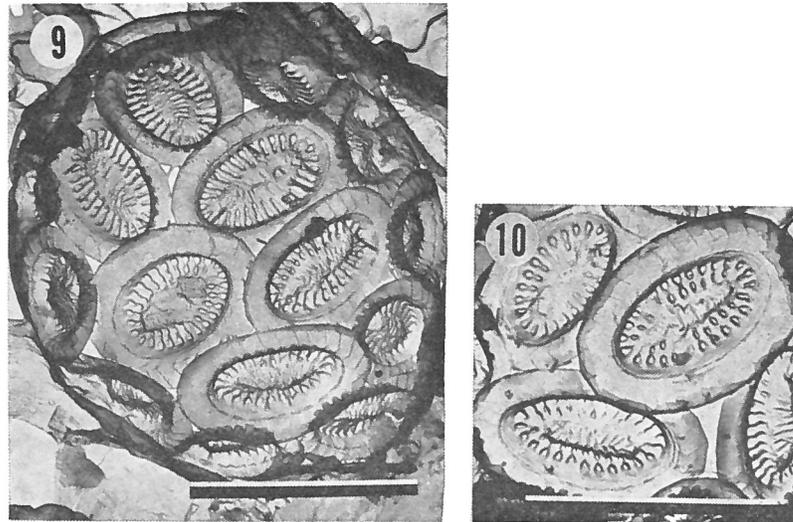


Syracosphaera ampliora OKADA & MCINTYRE, 1977

1972, *Syracosphaera* aff. *ossa* LECAL, Borsetti & Cati, p. 401; pl. 45, fig. 1a, b; Giorn. Geol., ser. 2, vol. 38.



Figs. 9, 10 — *Syracosphaera ampliora* n. sp. 9) holotype; Atlantic (Station Delta). 10) highly magnified cocoliths, showing two rows of perforations in central area; Atlantic (Station Hotel). Scale-bar = 3 microns.

Description:

Diagnosis: Cocosphaera de globosa ad subglobosam, habens 30 ad 60 cocolithos partim inter se tegentes. Nec dithecatismus nec dimorphismus observatus. Magnitudo de 5.6 ad 10.2 μ . Cocolithi caneolithi completi, de oviformibus ad ellipsoidales, habentes clipeum distale latum et structuram centram magnam. Area centralis habet 18 ad 30 lamellas in medium crescentes. In compluribus exemplis, haec augmentatio tanta est ut (ubi contactus in medio occurrit) efficiat duas series perforationum concentricarum pro circulo unico consueto habente perforationes forma "8". Clipeum distale de 2.3 ad 2.8 μ longitudine, de 1.4 ad 2.3 μ latitudine.

Description of coccosphere: Spherical to subspherical, consisting of approximately 30 to 60 partly overlapping caneoliths. Neither dithecatism nor dimorphism observed. Size ranges from 5.6 to 10.2 μ along longer axis.

Description of cocoliths: Oval to elliptical complete caneoliths with a wide distal shield and a large central structure. Central area consists of 18 to 30 centrally dilating lamellar elements. Dilation becomes so large in some specimens that, where contact occurs at center, two rows of concentric perforations instead of usual single circle of 8-shaped perforations is found. Distal shield measures from 2.3 to 2.8 μ in length and from 1.4 to 2.3 μ in width.

Derivation of name: From Latin *amplior*, somewhat wide. Feminine comparative adjective.

Remarks:

This species differs from other species of the genus by having coccoliths with centrally dilating lamellar elements.

Type level:

Recent.

Type locality:

Atlantic Ocean (lat. 37°59'N, long. 70°58'W).

Biogeography: In Pacific, absent. At North Atlantic stations, occasional at Delta, Echo and Hotel.

Depository:

Lamont-Doherty Geological Observatory of Columbia University.
Holotype: Negative ON-13.

Author:

Okada H. and McIntyre A., 1977, p. 19; pl. 7, figs. 9, 10.

Reference:

Modern coccolithophores of the Pacific and North Atlantic Oceans. *Micro-paleontology*, vol. 23, no. 1, pp. 1-55, pls. 1-13.