

SCIENTIFIC NOTES

**CYLICONEMAOIDA NOM. NOV., A REPLACEMENT NAME
FOR THE PREOCCUPIED SPONGE SUBGENUS *LEPTONEMA*
LENDENFELD (HEXACTINELLIDA: HYALONEMATIDAE)**

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Phylum Porifera Grant, 1836
Class Hexactinellida Schmidt, 1870
Subclass Amphidiscophora Schulze, 1886
Order Amphidiscosida Schrammen, 1924
Family Hyalonematidae Gray, 1857
Genus *Hyalonema* Gray, 1832

Subgenus *Cyliconemaoida* nom. nov.

Leptonema Lendenfeld, 1915. In Reports on the Scientific Results of the Expedition to the Eastern Tropical Pacific, in charge of Alexander Agassiz, by the U.S. Fish Commission Steamer 'Albatross', from October, 1904, to March, 1905, Lieut. Commander L.M. Garrett, U.S.N., Commanding, and of other expeditions of the 'Albatross', 1891-1899 (29). The Sponges. 3. Hexactinellida. *Memoirs of the Museum of Comparative Zoology at Harvard College*. 42(2): 1-396, pls. 1-109. Preoccupied by *Leptonema* Guérin-Meneville, 1844. In *Iconographie du règne animal de G. Cuvier: ou, Représentation d'après nature de l'une des espèces les plus et souvent non encore figurées de chaque genre d'animaux. Insectes*, p. 396. (Arthropoda: Insecta: Trichoptera: Hydropsychidae).

Remarks on nomenclatural change: Lendenfeld (1915) erected the hexactinellid sponge subgenus *Hyalonema* (*Leptonema*) for the type species *Hyalonema* (*Leptonema*) *campanula* from off Central Peru, which was still regarded as a valid name after 100 years (van Soest et al. 2015). However, as pointed out on Wikidata (https://www.wikidata.org/wiki/User:Brya/list_errors_in_WoRMS), the name was already preoccupied for a genus of caddisflies (Trichoptera) by Guérin-Meneville (1844). Thus, the subgenus name *Leptonema* Lendenfeld, 1915 is a junior homonym of the genus name *Leptonema* Guérin-Meneville, 1844. I here propose the replacement name *Cyliconemaoida* **nom. nov.** for *Leptonema* Lendenfeld, 1915.

Etymology: For the close resemblance to *Hyalonema* (*Cyliconema*). According to Tabachnick & Menshenina (2002: p. 1244) "The subgenus *Leptonema* most closely resembles *Hyalonema* (*Cyliconema*) differing only in the form of their respective macramphidiscs."

Summary of nomenclatural changes:

Genus *Hyalonema* Gray, 1832

Subgenus *Cyliconemaoida* **nom. nov.**

pro *Leptonema* Lendenfeld, 1915 (non Guérin-Meneville, 1844)

Hyalonema (Cyliconemaoida) acuferum Schulze, 1893 **comb. nov.**

from *Hyalonema (Leptonema) acuferum* Schulze, 1893

Hyalonema (Cyliconemaoida) campanula Lendenfeld, 1915 **comb. nov.**

from *Hyalonema (Leptonema) campanula* Lendenfeld, 1915

Hyalonema (Cyliconemaoida) campanula campanula Lendenfeld, 1915 **comb. nov.**

from *Hyalonema (Leptonema) campanula campanula* Lendenfeld, 1915

Hyalonema (Cyliconemaoida) campanula longispicula Tabachnick, 1990 **comb. nov.**

from *Hyalonema (Leptonema) campanula longispicula* Tabachnick, 1990

Hyalonema (Cyliconemaoida) choaniferum (Lévi, 1964) **comb. nov.**

from *Hyalonema (Leptonema) choaniferum* (Lévi, 1964)

Hyalonema (Cyliconemaoida) divergens Schulze, 1887 **comb. nov.**

from *Hyalonema (Leptonema) divergens* Schulze, 1887

Hyalonema (Cyliconemaoida) flagelliferum Ijima, 1927 **comb. nov.**

from *Hyalonema (Leptonema) flagelliferum* Ijima, 1927

Hyalonema (Cyliconemaoida) lusitanicum Bocage, 1864 **comb. nov.**

from *Hyalonema (Leptonema) lusitanicum* Bocage, 1864

Hyalonema (Cyliconemaoida) ovuliferum Schulze, 1899 **comb. nov.**

from *Hyalonema (Leptonema) ovuliferum* Schulze, 1899

Hyalonema (Cyliconemaoida) solutum Schulze, 1904 **comb. nov.**

from *Hyalonema (Leptonema) solutum* Schulze, 1904

Hyalonema (Cyliconemaoida) spatha Tabachnick & Lévi, 2000 **comb. nov.**

from *Hyalonema (Leptonema) spatha* Tabachnick & Lévi, 2000

Hyalonema (Cyliconemaoida) urna Schulze, 1904 **comb. nov.**

from *Hyalonema (Leptonema) urna* Schulze, 1904

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