NOTE
Annotated species list of the Bryozoa of Chuuk, Federated States of Micronesia

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Abstract—Fifty-six species of Bryozoa are listed from the western Pacific near-atoll of Chuuk, almost all from coral rubble. Fifty-one (91%) are cheilostomes, including 39 (70%) ascophorans and 12 (20%) anascans. There were 4 (7%) stenolaemates and one (2%) ctenostome. Thirty-three (59%) belong to undescribed taxa.

The following stations were collected by SCUBA by Scott Santagata and by Patrick or Lori Colin (of the Coral Reef Research Foundation) in the western Pacific near-atoll of Chuuk, near 7°N, 152°E during 1992 and 1993. The bryozoan species, virtually all living on dead coral, represented 56 species; 33 belong to undescribed taxa, 59%. Of these, 51 (91%) are cheilostomes, including 39, (70%) ascophorans and 12 (20%) anascans, a ratio of 3.25:1. There were 4 (7%) stenolaemates and one (2%) ctenostome. All but a few species formed minute colonies a centimeter or two in diameter. The list is alphabetical within the groupings, Stenolaemata, Ctenostomata, anascan Cheilostomata and ascophoran Cheilostomata.

Station Data:
DUBLON01: 07-08-93, 07°20.69'N 151°55.31'E, 8-14m. Dublon Island Inlet
FUJI02: 07-09-93, 07°20.92'N, 151°52.70'E, 14m. Mast of the wreck of the Fujikawa south of Dublon Island.
FUJI04: 01-18-93, 07°20.92'N, 151°52.70'E, 30 m. Sand adjacent to the wreck of the Fujikawa, south of Dublon Island.
NQCHA01: 07-14-92, 07°31.50'N, 151°58.20'E, 20m. Reef, south side of Quoi Island., in channel near Northeast Pass
NQCHA02: The same, 08-20-92, 18m.

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Stenolaemata:


Stomatopora undescribed species. Diastoporidae. Triserial; oecia only slightly modified from autozoids: shorter, more densely punctate, with a short, flared oeciostome. May represent a new genus. SCHEIB02.


Tubulipora? pulchra MacGillivray, 1885:95. Tubuliporidae. Basal tubules were described by Osburn (1953:633), Robertson (1910:250), and others, but not by MacGillivray. No oecia. SCHEIB02.

Ctenostomata:

Bowerbankia undescribed species aff. gracilis (Leidy, 1855). Vesiculariidae. Like B. gracilis, but tentacles are nearly as long as the zoecium; they are less than half the length in B. gracilis. See Hayward (1985:144). NQCHA01.

Anascan Cheilostomata:

Aetea sp. indet. Aeteiidae. Epizoic on Bugula sp. FUJI02

Antropora undescribed species aff. granulifera Ryland & Hayward, 1992:229, non Membranipora granulifera Hincks, 1880:72. Calloporidae. Like A. granulifera Ryland & Hayward, but mandibles are more acutely pointed and not as widely separated. Indo-Pacific material is larger and avicularia more varied than in Atlantic material, including that from the type locality (Madeira). Several species are probably involved. NQCHA03.

Bugula dentata (Lamouroux, 1816:135). Bugulidae. Conspicuous green colonies with blue iridescence. One large colony on the mast of a sunken ship at FUJI02.


Lepraliellidae, undescribed genus, undescribed species. Marginal areolae, with a few massive hemispherical nodules scattered on the surface. Narrow slit-like sinus, prominent 2-pronged cardelles; no spines. Ovicells not seen. Very large spatulate oral avicularia. DUBLON01, YANAGI02.

Scrupocellaria ferox Busk, 1852. Scrupocellariidae. SCHEIB02, YANAGI02.


Smittipora unidentified species. Onychocellidae. No avicularia; autozoids 380µm long, smaller than other species of Smittipora. SCHEIB02.

Smittipora undescribed species aff. cordiformis Harmer, 1926. Onychocellidae. Like S. cordiformis, but with distinct, minute opesiules and without a median distal apertural tubercle. NQCHA03, SCHEIB02.


Thalamoporella sp. undescribed aff. stapifera (Levinsen, 1909:188). Thalamoporellidae. Like T. stapifera, but avicularia without a raised mandibular tip. YANAGI01.

Ascophoran Cheilostomata:


Calyptotheca undescribed species aff. tenuata Harmer, 1957:1016. Schizoporellidae. Like C. tenuata but with smaller, acute apertural avicularia. NQCHA03.

Calyptotheca undescribed species aff. wasiensis (Waters, 1913:504). Schizoporellidae. Like C. wasiensis, but aperture longer than wide. Ovicells not found. Several species may be involved; see Harmer (1957:1017). SCHEIB02, YANAGI02.


Celleporaria undescribed species aff. sibogae #1 Winston & Heimberg, 1986:30. Celleporariidae. Like C. sibogae, but aperture wider than long, primogenial zoids coarsely granular, with a proximal apertural avicularium on a pointed rostrum. Ovicells and interzoecial avicularia not found. NQCHA03, NQCHA04.

Celleporaria undescribed species aff. sibogae #2 Winston & Heimberg, 1986:30. Celleporariidae. Primogenial zoids recumbent with apertures vertical to substrate. Aperture almost circular, with spicules projecting into the aperture from the region of the cardelles and from median proximal apertural border. Small apertural avicularia with circular mandibles borne on median proximal spikes. Ovicells and interzoecial avicularia not found. DUBLON01.


Cigclisula ?turrita (Smitt, 1873:65). Stomachaetosellidae. Larger than other Pacific specimens; possibly an undescribed species. SCHEIB02.


Crepidacantha carsiostera Ryland & Hayward, 1992:277, non Winston & Heimb erg 1986. Crepidacanthidae. Avicularia directed mediodistally; no suboral umbo. At least two species are apparently involved. SCHEIB02.

Cribrialia sp. undescribed aff. Cribrialia sp. 2 d’Hondt, 1986:715. Cribrilinidae. Seven oral spines; our material has ovicells. SCHEIB02.


Crepidacantha carsiostera Ryland & Hayward, 1992:277, non Winston & Heimberg 1986. Crepidacanthidae. Avicularia directed mediodistally; no suboral umbo. At least two species are apparently involved. SCHEIB02.

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Figularia undescribed species. Cribrilinidae. Seven pairs of costae; interzoidal avicularium with a broad, almost circular mandible. NQCHA03.


Iodictyum undescribed species aff. bucheri Harmer, 1934:552. Phidoliporidse. Peristomial avicularia directed distally, not proximally; infrafenestral interzoidal avicularia are present in every fenestra; scattered basal tubercles, but no basal avicularia. NQCHA02.


Microporella undescribed species aff. lunifera Haswell, 1880; see Harmer (1957:965). Micropor ridse. Like M. lunifera, but with 5-6 oral spines, a circular ascopore, and marginal ovicell pores. SCHEIB02.


Parasmittina sp. undescribed aff. spathulata Smitt, 1873:60. Smittinidae. Like P. spathulata in having long, parallel-sided posteriorly directed avicularia, but with a very broad lyrule, high peristome, and spatulate giant avicularia. See Soule & Soule (1973:392) SCHEIB01.

Parasmittina sp. undescribed aff. nitida (Verrill, 1875:415), morphotype B (Mat uro & Schopf 1968:41). Smittinidae. Frontal walls flat with about 20 areolae;
aperture slightly oval transversely; a few scattered frontal adventitious avicularia with circular or long oval mandibles. DUBLON01.


*Phonicosia?* undescribed species. Schizoporellidae. *Phonicosia jousseaumi* (Jullien, 1888) from the Straits of Magellan is probably congeneric; there is a slit-like sinus, 8 oral spines, without pores distal to aperture; no avicularia. Gordon (1984) synonymized *P. jousseaumi* with *L. cirinnata* MacGillivray, 1869:134, but *L. cirinnata* has pores distal to the aperture and lacks oral spines. SCHEIB02.


*Scledocleidochasma* undescribed species aff. *porcellaniforme* Soule et al., 1991:481. Cleidochasmatidae. Like *S. procellaniforme*, but with mostly unpaired avicularia, a relatively narrower sinus and few or no oral spines; no sutured median rostral platforms. NQCIIA04.


Smittinidae, undescribed genus, undescribed species. Smittinidae. Like a multiserial *Teuchopora* with olocyst-tremocystal frontal lyrules and cardelles; smooth peristome produced from spines; ovicell with perforated central area like those of *Lagenipora*. NQCHA03.

References


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