

RADIOLARIAN SPECIES DESCRIPTIONS

This section consists of three parts:

1. An alphabetical (by genus) listing of the 150 species described herein.
2. A phylogenetic classification of the 150 species described herein. Family-level taxonomy is primarily that of Riedel (1967b), Goll (1968; 1969), Foreman (1973), and Sanfilippo and Riedel (1980).
3. Description sheets for 150 species. These sheets include a brief synonymy, usually consisting of the original designation and a more recent description, a modern description of the taxon, dimensions, distinguishing characters, variability, stratigraphic and geographic distribution, phylogeny, and an illustration. All illustrations are $\times 215$ unless otherwise noted.

**LIST OF DESCRIBED SPECIES
(ALPHABETICAL BY GENUS)**

- Acrobotrys tritubus*
Amphirhopalum ypsilon
*Anthocyrtidium angulare*¹
Artophormis barbadensis
Artophormis gracilis
- Bekoma bidartensis*¹
*Bekoma campechensis*¹
Botryostrobos aquilonaris (= *Artostrobium miralestensis*)
Botryostrobos miralestensis
*Buccinosphaera invaginata*¹
*Buryella clinata*¹
Buryella pentadica
Buryella tetradica
- Calocyclus bandyca*¹
Calocyclus hispida
Calocyclus turris
Calocycletta caepa
Calocycletta cladara
*Calocycletta costata*¹
Calocycletta serrata
Calocycletta robusta
Calocycletta virginis
Calocycloma castum
Carpocanopsis bramlettei
Carpocanopsis cingulata
Carpocanopsis cristata
Carpocanopsis favosa
Centrobotrys gravida
Centrobotrys petrushevskayae
Centrobotrys thermophila
*Collosphaera tuberosa*¹
Cryptocarpium azyx (= *Carpocanistrum azyx*)¹

Cryptocarpium ornatum (= *Cryptoprora ornata*)

Cyrtocapsella cornuta

Cyrtocapsella japonica

*Cyrtocapsella tetrapera*¹

Diartus hughesi^{1, 2}

Diartus petterssoni^{1, 2}

Dictyocoryne ontongensis

Dictyoprora armadillo

*Dictyoprora mongolfieri*¹

Dictyoprora pirum

*Didymocyrtis antepenultima*²

Didymocyrtis avita

*Didymocyrtis laticonus*²

Didymocyrtis mammifera

*Didymocyrtis penultima*²

Didymocyrtis prismatica

Didymocyrtis tetrathalamus

Didymocyrtis tubaria

Didymocyrtis violina

Dorcadospyris alata^{1, 2}

*Dorcadospyris ateuchus*¹

Dorcadospyris dentata^{1, 2}

Dorcadospyris forcipata

Dorcadospyris papilio

Dorcadospyris pseudopapilio

*Eucyrtidium calvertense*²

Eucyrtidium diaphanes

Eucyrtidium inflatum

*Eucyrtidium matuyamai*²

Eusyringium fistuligerum

*Eusyringium lagena*¹

*Lamprocyrtis heteroporos*²

Lamprocyrtis neoheteroporos

Lamprocyrtis nigriniae

Lamptonium fabaeforme chaunothorax
Lamptonium fabaeforme constrictum
Lamptonium fabaeforme fabaeforme
Lamptonium pennatum
Lamptonium sanfilippoae
Liriospyris parkerae
Liriospyris stauropora
*Lithocyclia angusta*¹
Lithocyclia aristotelis group¹
Lithocyclia crux
Lithocyclia ocellus group
Lithopera bacca
Lithopera neotera
Lithopera renzae
Lithopera thornburgi
Lophocyrtis jacchia
Lychnocanoma amphitrite
Lychnocanoma bellum
*Lychnocanoma elongata*¹
Lychnocanoma trifolium
Lychnodictyum audax

Phormocyrtis cubensis
Phormocyrtis striata exquisita
Phormocyrtis striata striata
Phormostichoartus corbula
*Phormostichoartus doliolum*³
*Phormostichoartus fistula*³
Podocyrtis acalles
*Podocyrtis ampla*¹
*Podocyrtis chalara*¹
Podocyrtis diamesa
Podocyrtis dorus
Podocyrtis fasciolata
*Podocyrtis goetheana*¹
Podocyrtis helenae
*Podocyrtis mitra*¹

Podocyrtes papalis
*Podocyrtes phyxis*¹
*Podocyrtes sinuosa*¹
Podocyrtes trachodes
*Pterocanium prismatium*¹
*Pterocodon ? anteclinata*¹
Pterocodon ampla
Pterocorys campanula
Pterocorys hertwigii

Sethochytris triconiscus
Siphostichartus corona
Solenosphaera omnitubus omnitubus
Solenosphaera omnitubus procera
*Sphaeropyle langii*²
Sphaeropyle robusta
*Spongaster berminghamsi*¹
*Spongaster pentas*¹
Spongaster tetras tetras
Spongatractus balbis
Spongatractus pachystylus
*Stichocorys delmontensis*¹
Stichocorys johnsoni
Stichocorys peregrina^{1, 2}
*Stichocorys wolffii*¹
*Stylacontarium acqilonium*²
Stylatractus universus (= Axoprimum angelinum)^{1, 2, 3}

*Theocorys anaclasta*¹
Theocorys redondoensis
Theocorythium trachelium trachelium
Theocorythium vetulum
Theocotyle conica
*Theocotyle cryptocephala*¹
*Theocotyle nigriniae*¹
Theocotyle venezuelensis

Theocotylissa alpha
Theocotylissa ficus
*Theocyrtis annosa*¹
Theocyrtis tuberosa
Thyrsocyrtis bromia
Thyrsocyrtis hirsuta
Thyrsocyrtis lochites
Thyrsocyrtis rhizodon
Thyrsocyrtis robusta
Thyrsocyrtis tarsipes
Thyrsocyrtis tensa
*Thyrsocyrtis tetracantha*¹
Thyrsocyrtis triacantha
*Tristylospyrus tricerus*¹

¹Low-latitude zonal marker

²Middle-latitude zonal marker

³Indian Ocean zonal marker (Johnson et al., 1989)