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Taxa not Archaeocyatha, Radiocyatha,
or Cribricyatha

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ARCHAEOCYATHA AND CRIBRICYATHA *NOMINA
NUDA*; TAXA NOT ARCHAEOCYATHA, RADIOCYATHA,
OR CRIBRICYATHA

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ARCHAEOCYATHA AND
CRIBRICYATHA *NOMINA
NUDA*

- Arguncyathus* FONIN, 1985, p. 27.
Baculocyathus VOLOGDIN, 1940, p. 27.
Bijacoscinus KRASNOPEVA, 1978, p. 81.
Ceratocyathus GANGLOFF in ROZANOV & GANGLOFF, 1979, p. 57, *non* SEGUENZA, 1864, p. 430, cnidarian.
Coscinophyllina RADUGIN, 1966, p. 110.
Coscinophyllum RADUGIN, 1966, p. 109.
Demboicyathus VOLOGDIN in KRASNOPEVA, 1960, p. 40.
Dissocyathus VOLOGDIN, 1962a, p. 117.
GAMOCYATHIDAE VOLOGDIN, 1961, p. 179, invalid family-group name based on unavailable genus name.
Gunnicyathus HAN & others, 2008, p. 26.
Involvocyathus YANG & others, 2007, p. 91.
Leptosocyathella ROZANOV, 1973, p. 110.
LYSOCYATHIDAE BOYARINOV in ROZANOV, 1973, p. 85, invalid family-group name based on unavailable genus name.
Lysocyathus BOYARINOV in ROZANOV, 1973, p. 61.
Mongolocyathus ROZANOV, 1973, p. 38.
Plenocyathus VOLOGDIN, 1962c, p. 13.
Protophyllum RADUGIN, 1966, p. 114, invalid genus-group name based on unavailable type species.
Sagacyathellus KASHINA in DEBRENNE & ROZANOV, 1983, p. 734.
Saocyathus KASHINA & JANKAUSKAS, 1973, p. 181.
Saocyathus KASHINA in ZHURAVLEVA, 1974, p. 86.
Serratocyathus VOLOGDIN, 1960, p. 424.
Sheathcyathus YANG & others, 2005, p. 206.
Tashtagolia RADUGIN, 1966, p. 111, invalid genus-group name based on unavailable type species.
Ulenicyathus KRASNOPEVA in YAROSHEVICH, 1962, p. 117.
Utukcyathus VOLOGDIN in DEBRENNE, 1964, p. 231.

TAXA THAT ARE NOT
ARCHAEOCYATHA,
RADIOCYATHA, OR
CRIBRICYATHA

- Binatocyathus* VOLOGDIN, 1963, p. 948 [*B. obliquoseptatus*; OD]. Possible nonspiculate thalimid sponge.
Cornutocyathus BOYARINOV in ZHURAVLEVA & others, 1997, p. 166 [*C. cornutus*; OD]. One-walled cone of probable magnesium calcite skeletal mineralogy; wall thick with long, curved radial spines externally; possibly an eroded archaeocyath.
Buschmannia KAEVER & RICHTER, 1976, p. 28 [*B. roeringi*; OD; holotype, KAEVER & RICHTER, 1976, pl. 4,3, B2-358, UM]. Radiating gypsum crystal bundles; for discussion, see DEBRENNE & LAFUSTE, 1979; GLAESSNER, 1980.
Domophyllum RADUGIN, 1964, p. 146, *nom. nud.*, invalid genus-group name based on unavailable type species; hyolith transverse section.
Lenaella KORDE, 1959, p. 626 [*L. reticulata*; OD; holotype, KORDE, 1959, fig. 1(1, 4), 1298/496, PIN, Moscow, not located]. Similar to *Tunkia* R. BEDFORD & J. BEDFORD (1936, p. 21), a probable alga or small skeletal fossil; for discussion, see HANDFIELD and HANSMAN (1967).
Maldeotaina FLÜGEL in FLÜGEL & SINGH, 2003, p. 368 [*M. composita*; OD]. Possible microstromatolite (for discussion, see DEBRENNE, GANGLOFF, & ZHURAVLEV, 1990, p. 361) or cyanobacterium, alga or khasaktiid (for discussion, see WEBBY, 2012, p. 3).
MANACYATHIDAE JANKAUSKAS, 1969, p. 154. Probable cyanobacteria.
Manacyathus JANKAUSKAS, 1969, p. 154 [*M. mikroporosus*; OD]. Probable cyanobacterium with affinities to *Obruchevelia* REITLINGER, 1948, and especially *Spirellus* JIANG in LUO & others, 1982.
Matthewcyathidae OKULITCH, 1943, p. 48. Possibly inorganic.

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- Matthewcyathus* OKULITCH, 1940, p. 83 [**Archaeocyathus pavonoides* MATTHEW, 1886, p. 29; OD]. Possibly inorganic.
- Misracyathus* VOLOGDIN, 1959, p. 82 [**M. vindbianus*; OD]. Possible alga.
- Mussooriella* FLÜGEL in FLÜGEL & SINGH, 2003, p. 356 [**M. krolii*; OD]. Possible microstromatolite; for discussion, see DEBRENNE, GANGLOFF, and ZHURAVLEV (1990, p. 361).
- Pentaphyllum* RADUGIN, 1964, p. 146, *nom. nud.*, invalid genus-group name based on unavailable type species; hyolith transverse section.
- Sphaerocyathus* VOLOGDIN, 1962b, p. 76 [**S. plasticus*; OD]. Possible micrite envelope.
- Tanchoocyathus* VOLOGDIN, 1963, p. 947 [**T. amgaensis*; OD]. Possible nonspiculate sponge; for discussion, see DEBRENNE and REITNER (2001, p. 312).
- Trifoliophyllum* RADUGIN, 1966, p. 104 [**T. mirabile*; OD; holotype, RADUGIN, 1966, pl. 7, 29, collection 61r, specimen 5, TPI, Tomsk] [= *Trifoliophyllum* RADUGIN, 1964, p. 146, *nom. nud.*, invalid genus-group name based on unavailable type species]. Possible anabaritid cross section.
- Trigonophyllum* RADUGIN, 1966, p. 94 [**T. inexpectum*; OD; holotype, RADUGIN, 1966, pl. 7, 18, collection 61r, specimen 8-1, TPI, Tomsk] [= *Trigonophyllum* RADUGIN, 1964, p. 146, *nom. nud.*, invalid genus-group name based on unavailable type species]. Possible hyolith transverse section.
- Tuvinia* KRASNOPEEVA, 1972, p. 146 [**T. prima*; OD]. Possible coralomorph.
- TUVINIDAE KRASNOPEEVA, 1972, p. 146. Possible coralomorphs.
- Yakovlevites* KORDE, 1979, p. 126, *nom. nov. pro Yakovlevia* VOLOGDIN, 1931, p. 36, *non* FREDERICKS, 1925, p. 7, brachiopod [**Yakovlevia granulosa* VOLOGDIN, 1931, p. 36; M] [= *Yakovleviella* KORDE, 1975, p. 246 (type, *Y. tuvaica*; M; = *Yakovlevia granulosa* VOLOGDIN, 1931, p. 36), *non* FOMICHEV, 1953, p. 318, rugosan]. Possible coralomorph; for discussion, see HILL, 1972, p. 132; SAYUTINA, 1985, p. 70, 73; ZHURAVLEV, DEBRENNE, and LAFUSTE, 1993, p. 367.
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