Paleozoic radiolarian assemblages

Aitchison *et al*. 2017 – *Geodiversitas* 39 (3): 503-531 – https://doi.org/10.5252/g2017n3a5

Time Scale Creator 7.0 Chart
Standard Chronostratigraphy

Paleotethys + Japan/Shelfal Panthalassic

Neoalbaillella optima
Neoalbaillella ornithoformis
Albaillella flexa
Albaillella levis – Albaillella excelsa
Albaillella protolevis
Foremanhelena triangula
Albaillella yamakitai
Fo. charveti
Copicyntra sp.
Fo. scholasticus
Follicucullus ventricosus – Latentifistula densa
Fo. porrectus
Fo. monacanthus
P. bella
Hegleria mammifera – Latentifistula texana
P. fusiformis
P. globosa
A. foremanae
P. scalprata m. rhombothoracata
Ruzhencevispongus uralicus
Tetragregnon reconda
Polyentactinia lautitia
Arcoclathrata crassiclathrata
Quinqueremis arundinea
Rectotormentum fornicatum
Tormentum circumfusum – Stigmosphaerostylus pycnocladus
P. sakmarensis
P. lomentaria
Helioentactinia ikka – P. perforata
Tetragregnon vimineum – Copiellintra diploacantha
P. u-forma – P reflexa
P. bulbosa (part)
Latentifistula crux
Tormentum protei
P. bulbosa
Tormentum pervagatum
P. desmoinesiensis – P. annulata
P. nodosa
Albaillella pennata
Latentifistula tailleurense
Oklahoma, USA
Schwartzapfel & Holdsworth (1996)
Latentifistula baumgartneri – Circulaforma robusta
Albaillella nazarovi
Albaillella rockensis – Latentifistula impella
Albaillella furcata – Ormistonella hickoryensis I.Z.
Albaillella cartalla – Albaillella furcata I.Z.
Albaillella cartalla
Palaeolithocyclia rota
Albaillella undulata Gp.
Albaillella indensis
Albaillella perforata
Albaillella deflandrei
Albaillella pseudoparadoxa
Albaillella paradoxa
Stigmosphaerostylus ormistoni
Albaillella 1
Glanta crinerensis – Protoalbaillella media A.Z.
Protoalbaillella deflandrei – Holoeciscus spp. Concurrent R.Z.
Lapidopiscum spp. – Protoalbaillella deflandrei I.Z.
Holoeciscus 3
Staurentactinia spp. – Lapidopiscum spp. I.Z.
Pylentonema spp. – Staurentactinia spp. I.Z.
Holoeciscus foremanae
Russia, Urals, Kazakhstan
Afanasieva & Amon (2011)
Holoeciscus auceps
Tetrentactinia barysphaera – Holoeciscus auceps
T. b. – Caspiaza spinifera
Haplentactinia alekseevi – H. vilvaensi
T. b. – Retientactinosphaera magnifica
T. b. – Ceratoikiscum famennium
pre-Holoeciscus
Rdm3
Rdm2
Rdm1
Trilonche pittmani – Trilonche kazintsovae
Polyentactinia circumretia – Trilonche egindyensis
Moskovistella allbororum – Ceratoikiscum ukhtensis
Radiobisphaera domanicensis – R. menneri
Palaeodiscaleksus punctus – Astroentactinia biaciculata
Helenifore gogoense – Retisphaera concinna
Trilonche minax
Ceratoikiscum regalinodus
Spongentactinella windjanensis – Trilonche nigra
Protoholoecisus hindea
Stigmosphaerostylus hystricuosa – Spongentactinia fungosa
P. kariukmasensis
Helenifore pilosidiscus
Ceratoiciskum admissarius
P. buribayensis – Stigmosphaerostylus rostriformis
Helenifore laticlavium
Glanta fragilis
Stigmosphaerostylus horrida
Tlecerina – Glanta
Palaeoscenidium ishigai
Devoniglansus unicus
Pseudospongoprunum sagittatum
Pseudospongoprunum tazukawaensis
Futobari solidus – Zadrappolus tenuis
Pseudospongoprunum tauversi
Fusalfanus tarangulica – Secuicollacta cassa
Helenifore speciosus
Praespongocoelia parva – Helenifore quadrispina
Ceratoikiscum leonoides
Faunas not yet described or correlated
Plussatispila
Faunas not yet described or correlated
Orbiculopylorum
Haplotaeniatum
Secuicollacta ornata – Protoceratoikiscum chinocrystallum
Kalimnasphaera maculosa – Protoceratoikiscum crossingi
Protoceratoikiscum spp.
Haplentactinia juncta – Inanigutta unica
Proventocitum procerulum
Tetrasphaera kuruktagensis
Antygopora bella
Beothuka terranova
Inanigutta kyrgyza
Protoproventocitum
Parechidnina nevadensis
Protoentactinia kozuriana
Faunas not yet described or correlated
Ramuspiculum
Subechidnina
Echidnina runnegari
Faunas not yet described or correlated
Palaeospiculum
Oldest known unequivocal radiolarians (@ 2016)
First appearance of radiolarians ?

Zones:
I.Z., Interval Zone;
R.Z., Range Zone;
A.Z., Assemblage Zone.

Species:
T. b., *Tetrentactinia barysphaera*

Wall chart published in:
Aitchison J. C., Suzuki N., Caridroit M., Danelian T. & Noble P. 2017. — Paleozoic radiolarian biostratigraphy, *in* Danelian T., Caridroit M., Noble P. & Aitchison J. C. (eds), Catalogue of Paleozoic radiolarian genera. *Geodiversitas* 39 (3): 503-531. https://doi.org/10.5252/g2017n3a5

Acknowledgements: JA thanks the Australian Research Council for funding support towards this project ARC DP 1501013325. Figure was produced with **TSCreator** (http://www.tscreator.org).