

GONIOSPHAERIDIUM dentatum

(Timofeev) Raurcher 1973

- 1959 *Archaeohystrichosphaeridium dentatum* Timofeev, p. 40, pl. 3, fig 44
 1959 *Archaeohystrichosphaeridium purgers* Timofeev, p. 39, pl. 3, fig 33
 1966 *A. cf. dentatum* Timofeev; Downie & Ford, p. 309, pl. 17, fig. 1
 1968 *Ballsphaeridium purgers* (Timofeev) Martin, p. 60, pl. 1, fig. 16, 23, 24, 34
 1969 *Ball. (Arch.) dentatum* (Timofeev) Kongalova-Mazankova, p. 47, pl. 15, fig 6
 1973 *Goniosphaeridium dentatum* (Timofeev) Raurcher, p. 61, pl. 1, fig 6
 1973 *Goniosphaeridium purgers* (Timofeev) Raurcher, p. 62, pl. 1, fig 7, 8
 1975 *Goniosphaeridium purgers* (Timofeev) Martin, pl. 2, fig 3, 7
 1975 *G. purgers* (Tim.) ; Devniff & Massa, p. 22 fig 4
 1977 "*Goniosphaeridium*" (*Polygonium*) *dentatum* (Tim.) ; Baudelot & Berniere, pl. 41, fig 11
 1977 "*Goniosphaeridium*" (*Polygonium*) *purgers* (Tim.) ; Baudelot & Berniere, pl. 41, fig 22
 1978 *G. dentatum* (Tim.) ; Fournier-Vinas, pl. 2, fig 10
 1978 *G. purgers* (Tim.) ; Fournier-Vinas, pl. 2, fig 14, 17
 1982 *G. purgers* (Tim.) ; Cocchia, pl. 1, fig 1
 1982 *G. dentatum* (Tim.) ; Cocchia, pl. 1, fig 2

> POLYGONIUM by Xu 1999 p 71

Fang 1989 (p. 4, fig. 2): Llandoveryan Sichuan China

Timflew 1959: Middle-late Tremadocian USSR

Deurff & Massa 1975: Tremadocian, Sahara (cf), + Arenigian

Rasul & Downie 1974: Late Tremadocian, England

Tappin & Downie 1978: Tremadocian Great Britain

Downie & Ford 1966: ?late Tremadocian? - early Arenigian, Isle of Man, UK (p. 17, fig. 2, 5)

Rauscher 1973: Tremadocian, G. France

Fournier-Vinas & Donnot 1977:

Fournier-Vinas 1978 (p. 2, fig. 10): Tremadocian - Arenigian, France

Baudelot & Bernier 1975: Tremadocian France

Baudelot & Bernier 1977: Tremadocian France

Martin 1968: Tremadocian - ? early Arenigian, Belgium

Konžalova - Mazankova 1969: early Ashgillian, Czechoslovakia

Baudelot et al 1976: Ordovician, Norica

Baudelot et al 1981: Tremadocian Algeria

Welch 1986 (p. 45, pl. 9, figs 2-12): E. Tremadocian, N. Norway

Baudelot and Gery 1979: Tremadocian Algeria

Nocchi 1982 (p. 1, fig. 2): Tremadocian - Arenigian France

Cunha & Vanguerstaine 1988 (p. 73, pl. 2, figs. 8, 11): late Arenigian, S.E. Portugal

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- McCaffrey et al. 1992 : reworked in Silurian sediments Central Ireland
Mette 1989 (pl. 2, fig. 24) : latest Tremadoc SW Spain
(cf.) Fatka 1993 : latest Tremadoc/earliest Arenig Czech Republic
Fournier-Vinas & Donnet 1977 : M./L. Tremadoc - Early Arenig France
Chavidel-Syooki 1995 (pl. 1, fig. 7) Tremadoc - E. Arenig N. Iran
Pittau 1985 (p. 185 pl. 6, figs. 11, 15) : Late Tremadoc - ? E. Arenig
Sardinia Italy
Di Milia, Tongiorgi and Albani 1993 : early Late Tremadoc, Sardinia Italy
Reitz & Höll 1992 (pl. 2, fig. 5) Arenig, Eastern Alps Austria
Mens & Puura 1996 : Late Cambrian, Estonia
Wolf 1980b : Tremadoc Spain
Mens, Paalits & Puura 1997 : Late Cambrian, NW Estonia
(aff.) Paalits 1992 (pl. 6, fig. 3) : Late Cambrian, North Estonia
(aff.) Mens, Viira, Paalits & Puura 1993 : Late Cambrian Estonia
Welsch 1986b : Early Tremadoc Norway
Barca, Del Rio & Pittau Demelia 1989 (p. 351)
Tremadoc, Southeastern Sardinia Italy

Barca, Del Rio, Minzoni & Pittau Demelia 1984 (p. 321, pl. 27, fig. 8)

Tremadoc Central Sardinia Italy

Majesté-Menjouar et al. 1986: Cambrian / Early? Tremadoc Sicily

Bouillin et al. 1987: probable Early Tremadoc Sicily Italy

Bessière & Baudelot 1988 Tremadoc / Arenig Aude France

Charvidel-Syook, 1993 (pl. 3, fig. 2) latest Tremadoc

Chali-Sheh area southwestern Iran

Tawadros et al. 2001: Late Cambrian Sirte Basin, central Libya

(cf.) Yin & He 2000: Late Llandovery, NW Zhejiang Province China

Pittau 1985b: probable latest Tremadoc, Is Arenas, Sardinia, Italy

Robardet & Gutiérrez-Marco 2004: Middle Ordovician

(= Fennian Stage of British Isles)

SW Iberian Peninsula Spain

(cf.) Baudelot, Doubinger, Durand-Delga & Vellutini 1976 (p. 1226, pl. 1, fig. 20)

Llandovery / Wenlock, Galeria region Corsica

Albani, Demelia, Minzoni & Tongiorgi 1985: Arenig

+ Early Late Tremadoc

Central Sardinia Italy

Cocchio 1981 thesis (p. 53, pl. 1, fig. 4) Tremadoc

Massif de Mouthoumet (Corbières Aude) Southern France

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SONIOSPHAERIDIUM dentatum

Mehrjerdi 2001 (pl. 4, fig. 11) Early-Late Tremadoc
northern Tabas City, East-Central Iran

