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Marine and Paleobiological Research Institute, Inc.
131 Fuller Road, PO Box 1016
Vineyard Haven, MA 02568 USA

Title: Table of ray identification schemes for nonluidiid Asteroidea

Author: Frederick H.C. Hotchkiss

Marine and Paleobiological Research Institute
hotchkiss@MPRIInstitute.org

The Table is on page 2; the literature cited is split between pages 1 and 3.

Many schemes for numbering and lettering of asteroid rays have been used. This diversity makes comparison of research findings on the behavior of starfish difficult and subject to mistakes. To assist in this matter I offer the following table. I have tried to include reference to the leading proponent of the various numbering schemes, but this is of course a matter of personal judgment. Because this table was collated in connection with examining the literature on leading rays in starfish, the cited literature is partly relevant to that topic. Luidiid asteroids are excluded because the madreporite in luidiidids is not in homologous location compared with non-luidiidids (see Hotchkiss 1998). I use a personal communication from Dr. E.W. Knight-Jones (June 1999), and also the M.Sc. thesis of Thorpe (1964), to inform me that Smith (1950) employed the numbering scheme of embryologists (i.e. Gemmill 1914, Chadwick 1923).

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	Clockwise → → oral view							Clockwise → → aboral view					
	BIVIUM			TRIVIUM			R/P	TRIVIUM			BIVIUM		
Coe 1912; Schuchert 1915													
Preyer 1886-7; Schuchert 1915	1	M	5	4	3	2	R/P	2	3	4	5	M	1
Ludwig 1899; Kjerschow-Agersborg 1922; Rodenhouse & Guberlet 1946	I	M	V	IV	III	II	R/P	II	III	IV	V	M	I
Jennings 1907; Cole 1913	a	M	e	d	c	b	R/P	b	c	d	e	M	a
Polls & Goner 1975; Zirpolo 1928	A	M	E	D	C	B	R/P	B	C	D	E	M	A
Gemmill 1914; Chadwick 1923; Reid 1950; Smith 1950	I	M	II	III	IV	V	R/P	V	IV	III	II	M	I
Knight-Jones (pers. comm); Jones et al. 1968	1	M	2	3	4	5	R/P	5	4	3	2	M	1
Lovén 1874 Delage & Hérouard 1903	II	M	III	IV	V	I	R/P	I	V	IV	III	M	II
Bather 1900; Cuénot 1912; Hyman 1955	C	M	D	E	A	B	R/P	B	A	E	D	M	C
Moore & Fell 1966 Hotchkiss 1979, 1995, 1998	D	M	E	A	B	C	R/P	C	B	A	E	M	D
O'Donoghue 1926	R.1	M	A	L.1	L.2	R.2	R/P	R2	L2	L1	A	M	R.1

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EXPLANATORY POSTSCRIPT TO TABLE (13 April 2014): M = madreporic interradius. R = interradius of hydrocoel closure (hydrocoel crescent forms the ring canal). P = interradius of periproct/anus.