

Chaetozone Malmgren, 1867*(Tabular summary of Blake, 1996)*

Diagnosis: *Prostomium with a conical, blunt or acute anterior margin. Peristomium elongate to short. Dorsal tentacles from peristome or anterior setiger. Body segmentation short, broad, crowded to longer than wide, or moniliform. Unidentate acicular spines present in neuropodia and usually in notopodia. Bidentate spines present with unidentate spines in some juveniles or far posterior setigers of some adults. (Diagnosis modified slightly from Blake, 1996)*

SPECIES	<i>Neuro-podial spines start on setiger # {Noto-podial spines}</i>	<i>Arrange-ment of spines of posterior segments see ** (bottom of pages 1 & 3)</i>	<i>Structure of posterior spines</i>	<i>max. # of acicular spines per side (posterior neuro + noto-fascicles)</i>	<i>Dorsal tentacle insertion</i>	<i>Branchiae insertion (first pair of branchiae)</i>	<i>Eyes</i>	<i>Pygidial structure</i>	<i>Prostomium structure & stain pattern (methyl green)</i>	<i>Peristome structure & stain pattern (methyl green)</i>	<i>Thoracic stain (methyl green)</i>	<i>Abdominal stain (methyl green)</i>	<i>Distribution station data</i>
<i>C. acuta</i> <i>Banse & Hobson, 1968</i>	18-40 {55-60}	(b) with lateral gap	blunt with sheath on convex side	7-12, fewer posteriorly with caps.	last peristomial annulation	postlateral to dorsal tentacles	pres. may fade	simple lobe with ventral lip	long, conical nonstaining	1 large+1 small annulations/ stains pale	diffuse pale	diffuse pale	Puget Sound 15-35 m.
<i>C. armata</i> <i>Hartman, 1963</i>	1 {?16-25}	(a) one noto- & one neurospine	curved	2 with 0-2 capillaries	near middorsal mid-peristomium	just post. to dorsal tentacles	pres. 1 pair	simple, blunt lobe	long, with blunt unstained tip/ remainder stains	2 annulations/ stains	ant. parapodia + intersegmental furrows stain dark	diffuse pale	S. Calif. 27-180 m.
<i>C. bansei</i> <i>Blake, 1996</i>	28-29 {~80}	(b) no lateral gap	blunt slight curve	7-9 alternate with capillaries	dorsomedian immediately behind posteriorly prolonged prostomium (setiger 4-7)	far anterior to dorsal tentacle on last peristomial annulation	absent	simple ring with ventral lobe	long, tapering to anterior point + extends posteriorly as ridge to set. 4-7/ tip of prost. intense stain, rest unstained	intense stain on both annulations onto following setigers	long, V-shaped area of stain on dorsum for 5-6 setigers + encircling bands on each segment (first 1/2 of body)	none reported	off San Francisco 10-33 m. subtidal, sandy sediments
<i>C. columbiana</i> <i>Blake, 1996</i>	105-120 {120-135}	(b) with lateral gaps & wide dorsal & ventral gaps	blunt, curved, slight constrict. at base + ventral & dorsalmost with pointed tip	11-12 alternate with capillaries	middorsal at posterior of peristomium	lateral to dorsal tentacles	absent	short lobe with short terminal filament	long, acutely pointed/ tip unstained, remainder with intense stain	3+ annulations intense stain	10-15 ant. podial lobes with intense stain + dorsum of first 25-30 setigers light speckled bands, setigers 35-40 bands encircle body	none reported	Oregon & Washington shallow subtidal
<i>C. commonalis</i> <i>Blake, 1996</i>	38-40 {43-47}	(c) narrow lateral and dorsal gaps broad ventral gap	long, pointed bent-over tip	21-23 alternate with capillaries	dorsomedian on middle of last peristomial annulation	postlateral to dorsal tentacles on first setiger	absent	flat, saucerlike lobe	conical, pointed tip directed dorsally/ no stain	thickened, 3 distinct annulations/ retaining little stain	retaining little stain	none reported	Central California shelf

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<i>C. corona</i> Berkeley & Berkeley, 1941	1 {8-9}	(b) with lateral gaps	blunt, slight curve	11-13 with 17-20 capillaries	in furrow between setiger 1 & peristomium	postmedian to dorsal tentacles	pres.	blunt lobe	long, narrow, blunt tip/ tip unstained rest stains intense	dorsally inflated, large anterior annulation + 2 short posterior annulations/ stains intense	none reported	none reported	S. California W. Mexico Gulf of Calif. 24-119 m.
<i>C. gracilis</i> (Moore, 1923)	13 {last prepygidial segment only}	(a) obvious lateral, dorsal, and ventral gaps between fascicles	blunt, slight curve	6-7 neuropodial only except last prepygidial segment with two notospines alternating with caps.	anterior border of last peristomial annulation	postlateral to dorsal tentacles on posterior border of last peristomial annulation	none reported	multi-lobed, small	conical, bluntly pointed/ some stain	large & domed, overlays the prostomium & divided by an indistinct transverse furrow, extends posteriorly/ some stain	uniform green	? uniform green	single record (see Blake, 1996 page 290) off Catalina Island, S. California 4016 m.
<i>C. hartmanae</i> Blake, 1996 (formerly <i>Caulericiella gracilis</i> of SCAMIT)	~33 {posterior segments}	(a-b) obvious lateral, dorsal, and ventral gaps between fascicles	neuro thicker, recurved, thick, blunt tip with crest of serrations, noto longer & thinner	8-10 and each fascicle with about 3-4 alternating capillaries	posterior edge of peristomium	on setiger 1 medial to notosetae	absent	ventrally directed triangular lobe	elongate, pointed/ pale, uniform stain	1 distinct annulation and 2-3 weak annulations/ pale, uniform stain	pale, uniform except each parapodia with band of speckles on ant. & post. edge extending to encircle ventrum dorsum unstained	not reported	S. California shelf and slopes fine sand 542-914 m.
<i>C. hedgpethi</i> Blake, 1996	70-115 depending on size of specimen {100-145}	(b) narrow lateral, large dorsal & ventral gaps	curved, constricted at base	~14 with alternating capillaries	first annulation of peristomium	second annulation of peristomium posterior to dorsal tentacles	absent	small, slender, ventral lobe	elongate, pear-shaped, tapering to long, narrow anterior end with rounded tip-continues posteriorly as inflated dorsal crest/ tip unstained, rest with intense stain	with 2 distinct annulations intense stain except dorsum	parapodia with stain extending as weak stripes across dorsum, ventrum less distinctly stained, intersegmental grooves not stained	not reported	N. California intertidal to shallow subtidal in embayments
<i>C. lunula</i> Blake, 1996	35-40 {43-45}	(c) no lateral, narrow dorsal and ventral gaps	somewhat sigmoid, thickened border, occasional ventral-most bifid spine	11-12 with alternating capillaries	dorsomedian on posterior annulation of peristomium at the level of the first setiger	lateral to dorsal tentacles	pres. or absent	short, heavily glandular ventral disc with long, tapering anal cirrus	elongate, conical, tapering, bluntly rounded anterior end/ no stain	with 2 distinct annulations, posterior one extending over first setiger no stain	transverse streaks or bands on posterior margin of anterior & middle setigers + broad, dorsal, intense stain from ~setigers 25-35	not reported	central California shelf 77-190 m.

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<i>C. senticosa</i> <i>Blake, 1996</i>	65-80 {80-115}	(b) almost no lateral gap, broad ventral and dorsal gaps	sigmoid to sickle-shaped, constricted at base	8-9 with alternating capillaries	on narrow annulation of peristomium	postlateral to dorsal tentacles on anterior of large setiger 1 + second pair above first setae	not reported	triangular blunt lobe	narrow anteriorly, pointed, fused with peristomium/ no stain	reduced to narrow annulation, fused to peristomium, distinct from setiger 1/ no stain	entire body uniformly stains with concentrations in intersegmental furrows	not reported	central and northern California shallow embayments 5-10 m.
<i>C. setosa</i> <i>Malmgren, 1867</i>	20-30 {40-45}	(c) no lateral gap	blunt-tipped, slightly curved, with node or notch at point of emergence	15-17 alternate with capillaries	third peristomial annulation	lateral to dorsal tentacles	absent	small, simple, "tongue-like"	long, narrow, pointed/ stain intense on prostomium	large anterior inflated buccal region + two following annulations/ stain intense on peristomium	ventrum and podial lobes intense, dorsum unstained	not reported	? species reported to be cosmopolitan, probably restricted to Arctic, subarctic and high boreal latitudes
<i>C. spinosa</i> <i>Moore, 1903</i>	21-25 (Calif.) {notosetae become spinous on more posterior setigers}	(b) narrow lateral gap, dorsal and ventral gaps broad	neurospines blunt (noto retain sharp tips until far posterior setigers)	~7 neuropodial + ~9 sharp notopodial spines in Blake's figure	dorsomedian between "cordate head" and first setiger	lateral to dorsal tentacles on anterior of enlarged first setiger + second pair above first setae	not reported	cupped ventral lobe	fused to peristome forming large, "cordate head" set off distinctly from setiger 1/ band of encircling stain on tip only	fused to prostomium/ stains only on dorsal tentacle scars	no stain	not reported	Japan 280 m. California 2623-2955 m.

** (a) Not in obvious cinctures or inconspicuous among capillaries (b) Partial cinctures with obvious dorsal and ventral gaps (c) Complete cinctures with no or only narrow gaps

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City of San Diego Provisional Species

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<i>C. sp SD 1</i> <i>Rowe, 1996</i>	~30 {~65}	(b) no lateral, narrow dorsal, broad ventral gaps	blunt, curved slightly constricted basally	12-14 alternate with capillaries	last annulation of peristome	posterior & slightly lateral to dorsal tentacles	absent	triangular ventral lobe	triangular, blunt with unstained tip, rest with pale stain	three annulations/ pale and rapidly fading stain	stain between setal fascicles and pale on ventrum of setigers 28-38 (some only)	behind spines on dorsum posteriorly	ITP I-2 rep.1 July, 1996 108 ft. S. Calif./ No. Mexico
<i>C. sp SD 2</i> <i>Rowe, 1996</i>	70-95 {~140}	(b) narrow lateral, broad dorsal and ventral gaps	blunt, slightly curved/last few setigers with terminally hooked setae	10-12 alternate with capillaries	last annulation of peristome	lateral to dorsal tentacles	absent	rounded, scoop- shaped ventral lobe	pointed, elongate triangular/ stains intensely except anterior tip	three weak and one distinct annulations/ no stain	setal fascicle region and midventral furrough with pale stain	no stain	ITP I-2 rep.2 I-3 rep.1 I-16 rep.1 July 1996 85-108 ft. S. Calif./ No. Mexico

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