

SUMMARY OF EGG CHARACTERISTICS

Genus	Page	Approx. size of egg	Stage of nucleus at time of fertilization	Rate of devel.	Jelly or second. membrane	Abundance at Woods Hole	Breeding season at Woods Hole
Amaroucium	202	250 μ	Meta I	Slow	Chorion	Common	June-Sept.
Amphipholis	177	100 μ	Ger. vesicle	?	None	Not common	July-Sept.
Amphitrite	59	100 μ	Meta I	Rapid	None	Moderate	June-Aug.
Arbacia	184	73 μ	Both pol. bods.	Mod.	Jelly	Not common	June-Aug.
Arenicola	61	120 μ	Meta I	Slow	Jelly	Moderate	June, July
Asterias	170	110 μ	GV breakdown	Mod.	Jelly	Moderate	May-July
Aurelia	32	120 μ	?	Slow	None	Variable	July-Sept.
Balanus	160	?	First pol. bod.	Rapid	?	Common	Aug.-Nov. 15
Barentsia	48	?	?	?	None	Common	July-Sept.?
Botryllus	207	200-400 μ	Meta I	Rapid	Chorion	Common	June-Sept.
Bougainvillia	4	?	?	Slow	None	Moderate	June-Aug.
Bugula	51	?	?	Mod.	None	Common	June-Nov.
Busycon	135	1000 μ	?	Slow	Capsule	Not common	Aug., Sept.
Callocardia	103	49-60 μ	GV breakdown	Slow?	Jelly	Moderate	July?
Campanularia	6	160 μ	?	?	None	Common	June, July
Cerebratulus	44	120 μ	GV breakdown	Slow	Chorion	Not common	July
Chaetopleura	100	180 μ	Meta I	Mod.	Chorion	Common	June-Sept.
Chaetopterus	63	100 μ	Meta I	Rapid	None	Moderate	June, July
Ciona	211	160 μ	Meta I	Mod.	Chorion	Variable	Jan.-Dec.
Cirratulus	67	104 μ	Meta I	Rapid	None	Common	July, Aug.?
Cistenides	69	55 μ	GV breakdown	Mod.	None	Common	?
Clava	8	131 μ	?	Mod.	None	Moderate	June, July
Clymenella	71	150 μ	Meta I	?	None	Variable	May
Crassostrea	105	45-54 μ	Ger. vesicle	Mod.	None	Moderate	June 15-Aug. 15
Crepidula	137	136-182 μ	Meta I	Slow	Capsule	Common	June 15-Aug. 15
Crisia	53	18 μ	?	?	None	Common	?
Cumingia	108	62 μ	Meta I	Rapid	Jelly	Not available	June 15-Sept. 15
Cyanea	34	?	Both pol. bods.?	?	None	Variable	March-May
Cyprinodon	233	1.4 mm.	?	Mod.	Chorion	Not common	June-July 15
Diopatra	73	235 μ	GV breakdown	Rapid	Jelly	Common	?
Echinarachnius	191	135 μ	Both pol. bods.	Mod.	Jelly	Common	Apr. 1-July 31
Electra	55	79 μ	?	Mod.	None	Common	?
Emerita	163	380 μ	?	?	?	Common	July, Aug.?
Ensis	111	65 μ	Ger. vesicle	Rapid	None	Common	July?
Eudendrium	10	230 μ	?	Mod.	None	Common	July, Aug.
Eutima	12	?	?	Rapid	None	Not common	?
Fundulus	224	1.8 mm.	?	Rapid	Chorion	Common	June
Gonionemus	14	70 μ	Both pol. bods.	Mod.	Jelly	Not common	July 1-Sept. 30
Gonothyrea	16	102 μ	GV breakdown?	Mod.	None	Not common	July, Aug.
Haminea	141	80 μ	Meta I	Rapid	Capsule	Variable	June-Sept.
Harmothoe	76	50-78 μ	?	Rapid	None?	Moderate	Apr. 15-May 31
Henricia	175	1000 μ	?	Slow	?	Not common	April?
Hoploplana	40	100 μ	Ger. vesicle	Slow	Capsule	Moderate	June-Sept.
Hydractinia	18	160-170 μ	Sec. pol. bod.	Mod.	Jelly	Moderate	June-Aug.
Hydroids	77	67-72 μ	Ger. vesicle	Mod.	None	Common	June-Nov.
Ilyanassa	143	166 μ	GV breakdown?	Mod.	Capsule	Common	Apr. 24-July 15
Lacuna	147	103-180 μ	?	Slow	Capsule	Common	?
Lepas	165	185 μ	First pol. bod.	Rapid	None	Variable	?
Lepidonotus	81	65 μ	?	Slow	None	Common	May
Leptosynapta	194	190-209 μ	?	Mod.?	Jelly	Common	June, July
Libinia	167	1 mm.	?	Slow	None	Common	May-July?
Littorina	149	205-250 μ	GV breakdown?	Slow	Jelly	Common	?
Loligo	155	1500 μ	GV breakdown?	Slow	Jelly	Common	May-July 15
Mactra	113	53-56 μ	Ger. vesicle	Rapid	None	Moderate	June-Aug.
Menidia	228	1 mm.	Both pol. bods.?	Slow	Chorion	Moderate	June 15-July 15
Metridium	36	100-160 μ	Both pol. bods.	Mod.?	None	Common	June, July
Mnemiopsis	38	?	?	Rapid	None	Variable	May-July
M. citrina	214	210 μ	Meta I	Slow	Chorion	?	June 15-Sept. 15
M. manhattan.	216	100-115 μ	Meta I	Rapid	Chorion	Common	Jan.-Dec.
Mya	117	58-80 μ	GV breakdown?	Mod.	Jelly	Not common	June-Aug.?
Mycale	1	Small	?	?	None	?	Sept., Oct.?
Mytilus	119	70 μ	Meta I	Mod.	None	Common	June-Sept. 15
Nereis	83	140 μ	Ger. vesicle	Mod.	Jelly	Moderate	June-Sept.
Nucula	122	90 μ	Both pol. bods.?	Rapid	None	Not common	?
Obelia	21	130 μ	GV breakdown?	Mod.	None	Common	June-Aug.
Ophioderma	179	300 μ	Both pol. bods.?	Rapid	None	Common	July-Aug. 15
Ophiopholis	181	105 μ	GV breakdown	Slow	None	Not available	?
Opsanus	233	5 mm.	?	Slow	Adh. disc	Moderate	June, July
Pecten	124	63 μ	GV breakdown?	Mod.	Jelly	Common	June 15-Aug. 15
Pedicellina	49	60 μ	First pol. bod.?	?	Shell	Moderate	?
Pennaria	23	237-500 μ	Both pol. bods.	Rapid	None	Common	July 15-Sept.

Abbreviations used:

Meta I: Metaphase of the first maturation division.
 Ger. vesicle: Germinal vesicle.
 Both pol. bods.: Both polar bodies have been extruded.
 GV breakdown: Germinal vesicle breakdown.
 Adh. disc: Adhesive disc present on surface of chorion.
 ?: Reliable information is apparently not available.

SUMMARY OF EGG CHARACTERISTICS—*Continued*

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Perophora	218	240 μ	Meta I	Slow	Chorion	Common	Aug. 1-15?
Phascolosoma	57	150-180 μ	Meta I	Rapid	None	Common	June 15-Sept.
Platynereis	89	180-200 μ	Ger. vesicle	Rapid	Jelly	Not common	July-Aug. 21
Podarke	91	63 μ	Meta I	Rapid	None	Common	July, Aug.
Podocoryne	26	?	Before GV brkdwn.	?	None	Not common	June, July
Polychoerus	42	220 μ ?	Ger. vesicle	Slow	Capsule	Not common	June-Aug.
Sabellaria	93	60 μ	GV breakdown	Mod.	Jelly	Common	June-Aug.
Saccoglossus	199	420 μ	Meta I	Mod.	None	Common	?
Scomber	233	1.2 mm.	?	Rapid	Chorion?	Moderate	May 15-July 1
Spisula	113	53-56 μ	GV breakdown	Rapid	None	Moderate	June-Aug.
Stenotomus	233	0.8 mm.	?	Rapid	Chorion?	Not common	Early June
Sthenelais	98	110 μ	GV breakdown?	Mod.	None	Not common	?
Strongylura	234	3 mm.	?	Slow	Chorion?	Not common	June
Styela	221	150 μ	Meta I	Rapid	Chorion?	Common	June-Sept.
Syngnathus	234	0.8 mm.	?	?	Chorion?	Moderate	May 15-June 30
Tautoglabrus	231	0.9 mm.	GV breakdown?	Rapid	Chorion	Common	June
Teredo	127	55-60 μ	?	Slow	None	Common	May-Oct. 15
Thais	151	180 μ	?	Slow	Capsule	Common	?
Thyone	196	200-300 μ	Meta I	Mod.	Jelly	Common	June
Tubularia	28	400 μ	GV breakdown?	Mod.?	None	Common	June, July
Turritopsis	30	116 μ	Both pol. bods.	Rapid	None	Not common	?
Urosalpinx	153	240 μ	?	Slow?	Capsule	Common	Late May-Aug.
Venus	130	70-73 μ	Meta I	Mod.	None	Common	June 15-Aug. 15
Yoldia	133	150 μ	Both pol. bods.	Rapid	None	Common	?