

PAPERS ON THE FAUNA AND FLORA OF PLYMOUTH.

PUBLISHED IN THE JOURNAL OF THE ASSOCIATION.

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Marine Biological Association of the United Kingdom.

PRICE LIST OF MARINE SPECIMENS.

THE following list contains a selection of the more common forms of marine animals and plants which occur in the neighbourhood of Plymouth, and are suitable for laboratory work and for museums.

Preserved specimens are usually in stock, and can then be forwarded immediately on receipt of order; the prices quoted are for such specimens. Living specimens will generally be charged at the same rate as preserved specimens, but when delivery is required on a particular day an extra charge may be made, according to the additional labour involved.

All orders are attended to as promptly as possible; but when fresh specimens are required a delay is often unavoidable, owing to uncertainty of weather, or to scarcity of animals at the particular season.

It should be stated, in ordering, whether the specimens are required for museums, dissection, or histological work. The prices include spirit in the case of preserved specimens, and glass tubes for all small ones. Hampers, barrels, packing-cases, bottles, jars and tins will be charged for. Hampers and barrels may be returned, and will be allowed for in full, if not damaged. Small parcels are forwarded by Parcel Post; large packages by goods train in the case of preserved specimens, by passenger train for living ones.

Special attention will be paid to orders for rare animals and plants, and stages in their development.

The list of Algæ contains specimens most suitable for laboratory work, preserved to show their various reproductive stages and other special features.

A list of papers dealing with special groups, and supplying the information on the fauna and flora hitherto published by the Association, is given below.

Cheques should be made payable to the Marine Biological Association, and all communications addressed to THE DIRECTOR, THE LABORATORY, CITADEL HILL, PLYMOUTH.

October, 1900.

PRICE LIST OF MARINE SPECIMENS.

PROTOZOA.

FORAMINIFERA		s.	d.
Polystomella	per tube*	1	6
Haliphysema	"	2	6
Various other species	"	2	0
HELIOZOA			
Actinosphærium	"	1	0
RADIOLARIA			
Acanthometra	"	2	0
INFUSORIA			
Ceratium	"	1	6
Peridinium	"	1	6
Noctiluca miliaris	"	1	0
Zoothamnium	"	1	0

PORIFERA.

Terminology is that of R. Hanitsch, "Revision of Generic Nomenclature and Classification in Bowerbank's *British Spongiadae*." *Trans. Liverpool Biol. Soc.*, vol. 8, 1894.

Leucosolenia botryoides	each	2	0
Sycon compressum	per doz.	2	0
coronatum	"	2	6
Oscarella lobularis	each	1	0
Spongelia fragilis	"	3	6
Halichondria panicea	"	2	0
Reniera sp.	"	2	6
Chalina oculata	"	3	0
Desmacidon fruticosum	" 2/6 to 7/6		
Raspailia hispida	"	3	0
Hymeniacidon sanguineum	per crust	2	0
Suberites domuncula	each	1	6
Cliona celata	"	2	0
Polymastia mammillaris	"	2	6
Pachymatisma Johnstonia	"	2	6
Tethya lyncurium	"	2	6

HYDROZOA.

Terminology is that of Hincks' *British Marine Hydrozoids*.

GYMNOBLASTEAE		s.	d.
Clava squamata	per tube	1	6
Tubiclava lucerna	"	3	6
cornucopiæ	"	2	6
Hydractinia echinata	"	2	0
Podocoryne carnea	"	2	0
Lar sabellarum	"	3	0
Coryne vaginata	"	1	6
Syncoryne eximia	"	1	6
Sarsii	"	1	6
Myriothela phrygia	each	0	6
Eudendrium ramosum	per tube	1	6
capillare	"	1	6
album	"	1	6
Perigonimus repens	"	1	6
Garveia nutans	"	1	6
Heterocordyle Conybeari	"	1	6
Bougainvillia ramosa	"	2	0
Tubularia indivisa	"	1	6
larynx	"	1	6
humilis	"	2	0
bellis	"	2	0
crocea	"	1	6
CALYPTOBLASTEAE			
Clytia Johnstoni	"	1	6
Obelia geniculata	"	1	6
gelatinosa	"	1	6
dichotoma	"	1	6
Campanularia flexuosa	"	1	6
Hincksii	"	1	6
verticillata	"	1	6
Gonothyræa Loveni	"	1	6
Lafoëa dumosa	"	1	6
Coppinia arcta	per tube	1	6
Calycella syringa	"	1	6
Halecium halecinum	"	1	6
Beanii	"	1	6

* The prices quoted are for ordinary preserved specimens. Living specimens, when obtainable, are generally charged at the same prices; museum specimens at a slightly increased rate.

	s.	d.
Sertularella polyzonias per tube	1	6
Gayi	1	6
Diphasia rosacea	2	0
pinaster	2	0
Sertularia pumila	1	6
abietina	1	6
argentea	2	6
cupressina	2	6
Hydrallmania falcata	2	0
Thuiaria articulata	2	0
Antennularia antennina	2	0
ramosa	2	6
Aglaophenia pluma	1	6
tubulifera	2	0
myriophyllum	2	0
Plumularia pinnata	1	6
setacea	1	6
Catharina	1	6
similis	1	6

MEDUSÆ

Terminology that of E. Haeckel, *System der Medusen*; and E. T. Browne, "British Hydroids and Medusæ," *Proc. Zool. Soc.*, 1896. Names of the latter author are in italics.

Sarsia tubulifera per doz.	3	0
Codonium pulchellum each	0	6
<i>Perigonimus repens</i>	0	6
<i>Podocoryne carnea</i>	0	6
<i>Corymorpha nutans</i>	0	3
<i>Hybocodon prolifer</i>	0	4
<i>Lar sabellarum</i>	0	6
Dipurena halterata	0	6
<i>Amphinema dinema</i>	0	6
Tiara pileata	0	6
<i>Lizzia blondina</i>	0	4
Margelis principis	0	4
ramosa	0	4
Margellium octopunctatum per doz.	3	0
Obelia gelatinosa	1	0
geniculata	1	0
lucifera	1	0
Tiaropsis diademata each	0	4
<i>Euchilota pilosella</i>	0	6
<i>Phialidium Buskianum</i> per doz.	2	0
temporarium	2	0
cymbaloideum	2	0
Saphenia mirabilis each	0	6
Irene pellucida	0	6
Liriantha appendiculata	0	6
Chrysaora isosceles	1	6
Cyanea Lamarekii	1	6
Aurelia aurita	0	9
Ephyrae per doz.	2	0

	s.	d.
Depastrum cyathiforme each	1	0
Haliclystus octoradiatus per doz.	3	0

SIPHONOPHORA

Muggiæa atlantica (Cunningham) per doz.	1	6
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CTENOPHORA.

Pleurobrachia pileus per doz.	3	6
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ACTINOZOA.

HEXACTINIÆ

Terminology that of P. H. Gosse, *British Sea Anemones*.

Actinoloba dianthus each	2	6
Sagarbia bellis	2	0
miniata	2	6
viduata	2	6
parasitica	1	6
Adamsia palliata	1	6
Anthea cereus	1	0
Actinia mesembryanthemum 6d. to 1/-		
Bunodes gemmacea each	1	0
Tealia crassicornis 6d. to 1/-		
Halcampa chrysanthellum	2	0
Arachnactis sp.	1	0
Corynactis viridis	1	0
Gephyra Dohrnii	2	0
Zoanthus Couchii	1	6
Caryophyllia Smithii	1	6

Living specimens of Hexactiniæ may be had at one-half the above prices.

OCTACTINIÆ

Alcyonium digitatum per col.	2	0
Eunicella (Gorgonia) verrucosa	2	6
Sarcodictyon catenata	2	6

ECHINODERMA.

Terminology is that of Prof. F. Jeffrey Bell, *Catalogue of British Echinoderms*, British Museum.

Cucumaria pentactes each	1	0
lactea per doz.	2	6
planci each	1	6
Thyone fusus	1	6
Holothuria nigra each	1	6
Synapta inhaerens	1	0
Antedon rosacea per doz.	4	6
Pentacrinoid larvæ per tube	2	0
Astropecten irregularis each	0	9
Luidia Sarsi	2	6

PRICE LIST OF MARINE SPECIMENS.

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		s.	d.
Porania pulvillus	each	1	6
Asterina gibbosa	per doz.	2	0
Palmipes placenta	each	1	6
Solaster papposus	"	1	0
Henricia sanguinolenta	"	1	6
Asterias glacialis	per doz.	6	0
rubens	"	6	0
Ophiura ciliaris	"	4	6
Amphiura elegans	"	1	6
Ophiactis Balli	"	2	6
Ophiocoma nigra	"	4	6
Ophiothrix fragilis	"	4	0
Ophiocnida brachiata	each	0	6
Echinus acutus	"	2	0
miliaris	"	0	9
esculentus	"	0	9
Echinocyamus pusillus	"	1	0
Spatangus purpureus	"	1	0
Echinocardium cordatum	"	1	0
pennatifidum	"	2	6
Segmenting ova and larvæ—			
Plutei, Bipinnariæ and Auriculariæ	per doz.	2	0

TURBELLARIA.

Terminology that of F. W. Gamble, *Turbellaria of Plymouth Sound and Neighbourhood.* (*Jour. M. B. A.* vol. iii. p. 30.)

Convoluta paradoxa	per doz.	3	6
Plagiostoma vittatum	"	2	0
Enterostoma Austriacum	each	0	4
Cylindrostoma quadrioculatum			
	per doz.	2	6
Stylochoplana maculata	"	4	0
Leptoplana tremellaris	"	3	0
Prosthecereus vittatus	each	0	6
Cycloporus papillosus	"	0	4
Eurylepta cornuta	"	0	6
Oligocladus sanguinolentus	"	0	4
Stylostomum variabile	"	0	3

NEMERTINA.

Terminology that of T. H. Riches, *List of the Nemertines of Plymouth Sound.* (*Jour. M. B. A.* vol. iii. p. 1.)

Carinella annulata (McIntoshii)			
each		0	6
superba	"	1	0
Cephalothrix linearis	"	1	0
bioculata	per doz.	2	0
Amphiporus lactifloreus	"	1	6
dissimulans	each	0	9
Drepanophorus spectabilis	"	2	6

		s.	d.
Tetrastemma flavidum	per doz.	2	6
dorsale	"	1	6
candidum	"	2	6
vermiculatum			
per doz.		2	0
melanocephalum			
per doz.		2	0
Nemertes gracilis	each	1	0
Neesii	"	1	0
Eupolia curta	"	2	0
Lineus marinus	"	1	6
obscurus	per doz.	1	6
bilineatus	"	3	0
Micrura purpurea	"	2	6
fasciolata	"	2	6

CHÆTOGNATHA.

Spadella bipunctata	per doz.	1	0
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GEPHYREA.

Thalassema neptuni	each	1	0
Petalostoma minutum	per doz.	2	6
Phascolion strombi	each	1	6
Phascolosoma	"	1	0
Phoronis hippocrepia	each	0	3

ARCHIANNELIDA.

Histriodrilus homari	per doz.	3	6
Polygordius sp.	each	1	0
Dinophilus tæniatus	per doz.	2	6

OLIGOCHÆTA.

Clitellio arenarius	per doz.	2	0
ater	"	2	0

POLYCHÆTA.

Terminology generally that of de Saint-Joseph, *Les Annélides Polychètes des Côtes de Dinard.* Ann. Sci. Nat. 1887-1895.

Aphrodite aculeata	each	1	0
Hermione hystrix	"	2	0
Halosydna gelatinosa	"	0	4
Lepidonotus clava	per doz.	1	6
squamatus	"	1	6
Sthenelais boa	each	0	9
Euphrosyne foliosa	"	0	6
Hyalinocœcia tubicola	"	0	6

		s.	d.		s.	d.
Eunice Harrassii	each*	1	0	Nicolea venustula	each	1 6
Marphysa sanguinea	"	1	3	Thelepus cincinnatus	"	1 0
Lysidice Ninetta	"	1	0	Polycirrus aurantiacus	"	0 6
Maclovia iricolor	"	1	0	Sabella pavonina	"	0 6
Lumbriconereis Latreillii	"	0	9	Branchiomma vesiculosum	"	0 6
Ophryotrocha puerilis	per doz.	2	6	Dasychnona bombyx	"	0 6
Nereis cultrifera	"	2	0	Bispira volutacornis	"	1 6
pelagica	"	2	6	Myxicola infundibulum	"	1 0
fucata	each	0	6	Serpula vermicularis	"	0 6
diversicolor	per doz.	1	6	Hydroides norvegica	"	0 2
Dumerillii	each	0	6	Protula tubularia	"	1 0
irrorata	"	0	6	Filograna implexa	per tube	1 6
longissima	"	0	6	Spirorbis borealis	"	1 0
procera	"	0	6	Trochospheres and post-larval stages		
Nephtys cœca	"	0	9	per tube		2 0
Homborgii	"	0	9	Myzostomum glabrum	per doz.	1 0
longisetosa (Johnston)						
each		0	9			
Glycera capitata	"	0	9	HIRUDINEA.		
convoluta	"	0	9	Pontobdella muricata	each	1 6
dubia (Johnston)	"	1	0			
Syllis prolifera	per doz.	3	0	CRUSTACEA.		
armillaris	"	3	0	CLADOCERA		
Amblyosyllis (Gattiola) spectabilis	each	0	4	Evadne Nordmanni	per tube	1 6
Autolytus prolifer (Müll)	"	0	4	Podon intermedius	"	1 6
Myrianida maculata	"	0	6			
Phyllococe lamelligera	"	1	0	OSTRACODA		
maculata	per doz.	1	6	Cypris, Cythere, etc.	"	1 6
Pancerina	each	1	0			
Eulalia viridis	per doz.	3	6	COPEPODA		
Tomopteris onisciformis	each	1	6	Terminology in general that of Giesbrecht, <i>Pelagische Copepoden</i> (Naples monograph), 1892, and <i>Das Thierreich</i> , 1898; supplemented by Brady, <i>British Copepoda</i> , 1878-80.		
Cirratulus tentaculatus	per doz.	6	0	Calanus finmarchicus	per tube	1 6
cirratus	each	1	0	Pseudocalanus elongatus	"	1 6
Notomastus latericeus	"	1	0	Paracalanus parvus	"	1 6
Spio sp.	"	0	4	Candace pectinata	"	2 6
Nerine vulgaris	"	0	4	Temora longicornis	"	1 6
coniocephala	"	0	4	Eurytemora affinis	"	1 6
Scoloplos armiger	"	0	6	Centropages typicus	"	1 6
Arenicola marina	"	0	6	Anomalocera Patersoni	"	1 6
ecaudata	"	0	6	Acartia clausi	"	1 6
Grubii	"	1	0	bifilosa	"	1 6
Clymene sp.	"	1	0	Oithona spinirostris	"	1 6
Chætopterus variopedatus	"	0	9	Notodelphyidæ var sp.	"	2 0
Siphonostoma affinis	"	0	9	Corycaeus anglicus	"	1 6
Trophonia plumosa	"	1	0	Monstrilla Danæ	each	1 0
Sabellaria alveolata	per doz.	2	6	Euterpe acutifrons	per tube	1 6
Pectinaria auricoma	each	1	0			
Amphitrite Johnstonei	"	0	9			
Terebella lapidaria	"	0	6			
Lanice conchilega	"	0	9			

* The prices quoted are for ordinary preserved specimens. Living specimens, when obtainable, are generally charged at the same prices; museum specimens at a slightly increased rate.

	s.	d.
Dactylopus strömii . per tube	1	6
Idya furcata . "	1	6
Longipedia coronata . "	1	6
Thalestris rufocincta . "	1	6
Harpacticus chelifera . "	1	6
Peltidium depressum . "	1	6
Chondracanthus lophii each	0	6
Nicothoë astaci . per doz.	2	6
Caligus rapax . "	2	6
Pandarus bicolor . each	0	4
Anchorella triglæ . "	0	3
Numerous other species each from	0	3
CIRRIPIEDIA		
Conchoderma auritum each	0	6
Lepas anatifera . "	0	3
Scalpellum vulgare . "	0	3
Pyrgoma anglicum . per col.	1	0
Balanus tintinnabulum . "	0	6
amphitrite . "	0	6
crenatus . "	0	6
Chthamalus stellatus . "	0	6
RHIZOCEPHALA		
Sacculina carcini . each	0	6
LEPTOSTRACA		
Nebalia bipes . per doz.	1	0
AMPHIPODA		
Terminology that of G. O. Sars. <i>Crustacea of Norway</i> , vol. i.		
Hyperia galba . each	0	3
Talitrus locusta . per doz.	1	6
Orchestia littorea . "	1	6
Orchomene Batei . each	0	2
Ampelisca lævigata . per doz.	2	0
Leucothoë spinicarpa . "	2	0
Paratylys Swammerdami . "	2	6
Dexamine spinosa . "	2	6
Gammarus marinus . "	0	3
locusta . "	1	6
Melita obtusata . "	2	0
Amphithoë rubricata . "	2	0
Podocerus falcatus . "	1	6
Eriethonius abditus . "	2	0
Corophium crassicornis . "	2	0
Bonelli . "	1	6
Chelura terebrans . "	1	0
Phtisica marina . "	2	6
Protella phasma . "	1	0
Caprella linearis . "	2	0
æquilibra . "	2	0
acanthifera . "	2	0
tuberculata . "	2	0

ISOPODA

Terminology that of V. Carus, <i>Prodromus Faunæ Mediterraneæ</i> .		
	s.	d.
Apseudes talpa . each	0	3
Latreillii . "	0	3
Anceus maxillaris . per doz.	1	6
Conilera cylindracea . each	0	3
Sphaeroma serratum . "	0	3
Idotea tricuspidata . per doz.	1	6
linearis . "	2	6
emarginata . "	1	6
Jæra albifrons . each	0	3
Munna Kroyeri (Goodsir) . "	0	3
Janira maculosa (Leach) . "	0	3
Arcturus intermedius (Goodsir) . "	0	3
Limnoria lignorum . per doz.	2	6
Bopyrus squillarum . each	1	0
Cryptophtiria balani . "	0	4
Microniscus sp. . per doz.	3	6
Ligia oceanica . "	1	6
CUMACEA		
Iphinoë trispinosa . per doz.	2	6
Pseudocuma longicornis . "	2	6
Diastylis Rathkii . "	2	6

MYSIDÆ

Terminology that of Canon Norman, "On British Mysidæ." <i>Ann. Mag. N.H.</i> 1892.		
	s.	d.
Siriella armata . per doz.	1	6
Gastrosaccus sanctus . "	2	0
Anchialus agilis . "	2	0
Leptomysis mediterranea . "	2	0
Macropsis Slabberi . "	2	0
Schistomysis spiritus . "	1	6
Parkeri . "	2	6
arenosa . "	1	6
Macromysis flexuosa . "	1	6
Neomysis vulgaris . "	1	6

DECAPODA

Terminology that of V. Carus, <i>Prodromus Faunæ Mediterraneæ</i> .		
	s.	d.
Palæmon serratus . per doz.	4	0
squilla . "	5	0
Palæmonetes varians . "	1	6
Pandalus annulicornis (Leach) . per doz.	1	6
brevirostris . "	3	0
Virbius varians . "	2	6
Crangon vulgaris . "	1	0
trispinosus . "	2	0
Nephrops norvegicus . each	1	6

	s.	d.		s.	d.
Homarus vulgaris .	each*	2/6 to 5/-	Ammothea echinata .	per doz.	2 6
Palinurus vulgaris .	each	2/6 to 7/6	Phoxichilidium femoratum „		2 6
Galathea squamifera	per doz.	3 6	Phoxichilus spinosus „		2 0
dispersa .	„	3 6	Pycnogonum littorale „		2 6
strigosa .	each	1 0			
Eupagurus Bernhardus	„	0 6	POLYZOA.		
Prideauxii „	„	0 6	Terminology that of T. Hincks' <i>British</i>		
cuanensis „	„	0 6	<i>Marine Polyzoa.</i>		
lævis .	„	0 3	Scrupocellaria scruposa per tube	1 6	
Diogenes varians .	„	0 4	elliptica „	1 6	
Porcellana platycheles	per doz.	2 6	Bicellaria ciliata .	„	1 6
longicornis „	„	1 6	Bugula turbinata .	„	1 6
Ebalia Bryeri .	each	1 0	flabellata .	„	1 0
Cranchii .	„	1 0	Cellaria fistulosa .	„	1 0
Pennantii .	„	1 0	sinuosa .	„	1 0
Stenorhyncus phalangium	„	0 6	Flustra foliacea .	„	2 0
ægyptius „	„	1 6	Membranipora pilosa „	1 0	
longirostris „	„	0 6	membranacea	1 0	
Achaeus Cranchii .	„	0 6	Membraniporella nitida per tube	1 6	
Inachus scorpio .	„	0 6	Microporella Malusii „	1 6	
dorynchus .	„	1 0	Schizoporella linearis „	1 0	
Maia squinado .	„	3 6	Hippothoa divaricata „	1 6	
Pisa Gibbsii .	„	1 6	Lepralia foliacea .	„	1 6
tetraodon .	„	1 6	Smittia trispinosa .	„	1 0
Hyas araneus .	„	2 0	Mucronella Peachii .	„	1 0
coarctatus .	„	1 6	ventricosa „	1 0	
Eurynome aspera .	„	0 4	Cellepora avicularis .	„	1 6
Cancer pagurus .	„	1/- to 5/-	punicosa .	„	1 6
Pirimela denticulata .	„	1 6	ramulosa .	„	1 6
Xantho rivulosa .	„	0 6	Crisia eburnea .	„	1 0
florida .	„	0 6	Stomatopora major .	„	1 6
Pilumnus hirtellus .	„	0 6	Tubulipora flabellaris „	1 0	
Portunus puber .	„	0 4	Idmonea serpens .	„	1 0
depurator .	„	0 4	Diastopora patina .	„	1 0
pusillus .	„	0 4	Lichenopora hispida .	„	1 0
arcuatus .	„	1 0	Aleyonidium gelatinosum „	1 0	
marmoreus „	„	0 6	Flustrella hispida .	„	1 0
corrugatus .	„	1 0	Amathia lendigera .	„	1 0
Polybius Henslowii .	„	1 0	Bowerbankia imbricata „	1 0	
Carcinus mænas .	„	0 4	Cylindrocœcium dilatatum „	1 0	
Atelecyclus heterodon	„	0 6	Valkeria uva .	„	2 0
Corystes cassivelaunus	„	0 6	Pedicellina cernua .	„	1 0
Pinnotheres pisum .	„	2 0	Loxosoma phascolosomatum „	1 6	
Gonoplax rhomboides	„	2 6			
Zoææ and other larval stages			MOLLUSCA.		
per tube	2 0		Terminology that of Forbes and Hanley,		
PYCNOGONIDA			<i>British Mollusca.</i>		
Terminology that of Hoek, <i>Nouvelles</i>			AMPHINEURA		
<i>études sur les Pycnogonides</i> , Archiv.			Chiton marginatus .	per doz.	2 6
<i>zool. expér. et gen. ix. 1881.</i>			fascicularis .	each	0 6
Nymphon gracile .	per doz.	2 0	asellus .	per doz.	3 0
gallicum .	„	2 0			

* The prices quoted are for ordinary preserved specimens. Living specimens, when obtainable, are generally charged at the same prices; museum specimens at a slightly increased rate.

	s.	d.		s.	d.
Proneomenia aglaopheniae (Kowalevsky)	each	2 0	Goniodoris nodosa	per doz.	3 0
Dondersia Banyulensis (Pruvot)	"	2 0	castanea	each	0 6
GASTROPODA			Archidoris tuberculata	"	1 0
Patella vulgata	per doz.	2 0	flammea	"	1 0
pellucida	"	2 6	Jorunna Johnstoni	"	0 6
Acmaea virginea	"	3 6	Platydorid planata	"	0 6
Emarginula reticulata	each	0 6	Rostanga coccinea	"	0 6
Fissurella graeca	"	0 6	Doris maculata (Garstang)	"	1 6
Trochus zizyphinus	per doz.	1 0	Acanthodoris pilosa	"	0 6
granulatus	each	0 6	Lamellidoris aspera	"	0 6
cinerarius	per doz.	1 0	bilamellata	"	0 6
umbilicatus	"	1 0	Æolis papillosa	"	1 0
magus	each	0 6	Hero formosa	"	0 6
Phasianella pullus	per doz.	2 6	Æolidiella Alderi	"	0 6
Littorina littorea	"	1 0	glauca	"	0 6
littoralis	"	1 0	Cratena viridis	"	0 6
Rissoa parva	"	2 0	olivacea	"	0 6
Capulus hungaricus	each	0 3	amæna	"	0 6
Calyptrea sinensis	"	0 3	Galvina tricolor	"	0 6
Cypraea europea	"	0 3	Coryphella rufibranchialis	"	0 6
Natica nitida	"	0 6	Landsburgii	"	0 6
Lamellaria perspicua	"	0 6	smaragdina	"	0 6
Aporrhais pes-pellicani	"	0 6	Facelina coronata	"	0 6
Scalaria communis	"	0 6	Antiopa cristata	"	0 6
Turritella terebra	per doz.	3 0	Dotto fragilis	"	0 6
Buccinum undatum	each	0 9	coronata	"	0 6
for dissection	"	0 6	Elysia viridis	"	0 6
Nassa reticulata	per doz.	2 0	Limapontia capitata	"	1 0
incrassata	"	2 0	nigra	"	0 6
Murex erinaceus	"	2 0	Terminology that of Forbes and Hanley, <i>British Mollusca.</i>		
Purpura lapillus	"	1 0	SCAPHOPODA		
Otina otis	"	4 0	Dentalium entalis	each	1 0
Scaphander lignarius	each	0 6	LAMELLIBRANCHIA		
Haminea hydatis	"	1 0	Nucula nucleus	"	0 9
Philine aperta	"	0 3	Anomia ephippium	per doz.	2 6
punctata	"	0 6	Pectunculus glycimereis	"	3 0
Runcina coronata (Quatrefages)	"	0 6	Arca tetragona	each	1 0
Aplysia punctata	each	0 9	lactea	"	1 0
Oscanius membranaceus (Montagu)	each	0 4	Mytilus edulis	per doz.	1 6
Pleurobranchus plumula	"	0 6	Pinna pectinata	each	1 6
Terminology that of R. Bergh, <i>System</i> <i>der Nudibranchiaten Gasteropoden.</i>			Ostrea edulis	"	0 6
Tritonia Hombergii	each	2 6	Pecten maximus	"	0 6
Candiella (Tritonia) plebeia	"	0 3	tigrinus	"	0 6
Dendronotus arborescens	"	1 0	opercularis	per doz.	2 6
Lomanotus genei	"	1 0	Lima Loscombii	each	0 6
Triopa claviger	"	0 6	Cyprina islandica	"	2 0
Polycera quadrilineata	"	0 3	Kellia suborbicularis	"	0 6
Ægirus punctilucens	"	0 6	Scrobicularia piperata	"	0 6
Ancula cristata	"	0 6	Mactra solida	"	0 4
			Venus fasciata	"	0 6
			striatula	"	0 6
			ovata	"	0 6

		s.	d.
Artemis exoleta . . .	each*	0	8
Astarte sulcata . . .	"	0	8
Lucina borealis . . .	"	1	0
flexuosa . . .	"	1	0
Tapes pullastra . . .	per doz.	2	6
virginea . . .	each	0	6
Cardium edule . . .	per doz.	2	0
echinatum . . .	each	0	9
norvegicum . . .	per doz.	6	0
Tellina crassa . . .	each	0	9
Psammodia ferroensis	"	1	0
telinella . . .	per doz.	5	0
Lutraria elliptica . . .	each	2	0
Montacuta substriata	"	0*	3
ferruginosa . . .	"	0	3
Crenella marmorata . . .	"	0	3
Solen marginatus . . .	"	0	9
ensis . . .	per doz.	4	0
Saxicava rugosa . . .	"	1	6
Pholas parva . . .	each	1	0
dactylus . . .	"	1	0
Pholadidea papyracea	"	1	0
Teredo norvegica . . .	"	1	6
Lyonsia norvegica . . .	"	2	0
Pandora obtusa . . .	"	1	0
Veligers, and other larval stages	per tube	2	0

CEPHALOPODA

Ommastrephes sagittatus	each	3	6
Sepiola atlantica . . .	per doz.	3	6
Loligo Forbesii . . .	each 1/- to 2/6		
media . . .	"	1	6
Sepia officinalis . . .	"	1	0
elegans . . .	"	1	6
Octopus vulgaris . . .	"	2	6
Eledone cirrhosus . . .	"	1	0
Rossia Oweni . . .	"	3	0

TUNICATA.

Terminology in general that of Herdman,
Revised Classification of the Tunicata.
Jnl. Linn. Soc. vol. xxiii. 1891.

Oikopleura dioica . . .	per doz.	2	6
Thalia (Salpa) democratica-			
mucronata . . .	"	2	0
Thalia (Salpa) containing			
embryos . . .	"	3	6
Thalia (Salpa) fragments of chain			
each		2	0
Doliolum tritonis . . .	per tube	1	6

		s.	d.
Botryllus violaceus . . .	per col.	1	0
smaragdeus . . .	"	2	0
Botrylloides rubrum . . .	"	1	6
Styela aggregata . . .	per doz.	2	0
Styelopsis grossularia . . .	"	2	0
Polycarpa varians . . .	"	9	0
Molgula oculata . . .	each	1	0
Perophora Listeri . . .	per col.	2	6
Asciidiella aspersa . . .	per doz.	5	0
scabra . . .	each	0	6
venosa . . .	"	0	8
Ascidia depressa (Garstang)	"	0	8
mentula . . .	"	1	0
Phallusia mammillata . . .	"	1	6
Corella larvæformis . . .	"	0	6
Ciona intestinalis . . .	"	0	6
Diazona violacea . . .	per col.	2	0
Pycnoclavella aurilucens . . .	"	2	0
Clavelina lepadiformis . . .	"	2	0
Archidistoma aggregatum . . .	"	2	6
Distaplia rosea . . .	"	1	0
Diplosoma Listeri . . .	"	1	0
Leptoclinum sp. . .	"	1	0
Didemnum sp. . .	"	1	0
Circinalium conrescens . . .	"	2	6
Amaroucium Nordmanni . . .	"	2	6
proliferum . . .	"	2	6
Fragarium elegans . . .	"	2	6
Morchellium argus . . .	"	1	6

CEPHALOCHORDA.

Amphioxus lanceolatus	each	0	9
In calm weather living speci-			
mens may be procured at 2/6			
each.			

PISCES.

Terminology is that of F. Day in *British Fishes.*

Unpreserved specimens at
two-thirds of these prices.

ELASMOBRANCHII

Mustelus vulgaris . . .	each	2	0
Galeus vulgaris . . .	"	2	6
Scyllium canicula; Formalin-			
spirit each		1	0
chromic . . .	"	1	3
embryos . . .	"	2	0
skeleton . . .	"	5	6

* The prices quoted are for ordinary preserved specimens. Living specimens, when obtainable, are generally charged at the same prices; museum specimens at a slightly increased rate.

		s.	d.			s.	d.
Scyllium catulus	each	2	0	Centronotus gunellus	each	1	6
embryos	"	3	6	Mugil chelo	"	3	6
Acanthias vulgaris	"	1	3	Gasterosteus aculeatus	"	1	0
embryos	"	1	0	spinachia	"	1	0
Rhina squatina	"	2	0	Labrus maculatus	"	2	0
Raia batis	"	4	6	Ctenolabrus rupestris	"	2	6
clavata	"	4	6	Crenilabrus melops	"	3	6
maculata	"	4	6	<i>Anacanthini</i>			
blanda	"	4	6	Gadus morrhua	each	3	6
microcellatus	"	4	6	luscus	"	1	6
circularis	"	4	6	merlangus	"	1	0
sp. embryos	"	3	6	pollachius	"	2	6
TELEOSTEI				virens	"	2	6
<i>Acanthopterygii</i>				Merluccius vulgaris	"	2	6
Labrax lupus	each	3	6	Molva vulgaris	"	3	6
Mullus barbatus	"	4	0	Motella tricirrata	"	2	0
Pagellus centrodontus	"	3	0	Ammodites tobianus	"	1	0
Trigla cuculus	"	2	0	Rhombus maximus	each 2/6 to 10/-		
lyra	"	2	0	lævis	each 2/6 to 10/-		
gurnardus	"	2	6	Arnoglossus laterna	each	1	0
hirundo	"	2	0	Pleuronectes platessa	"	1	0
Cottus scorpius	"	1	0	limanda	"	1	0
bubalis	"	1	0	flesus	"	1	0
Agonus cataphractus	"	1	0	microcephalus	"	1	6
Lophius piscatorius	"	5	0	Solea vulgaris	each	2	0
Trachinus draco	"	2	6	variegata	"	2	6
vipera	"	3	6	lascaris	"	2	0
Scomber scomber	"	2	0	<i>Physostomi</i>			
Caranx trachurus	"	2	0	Engraulis encrasicolus	"	1	6
Capros aper	"	1	0	Clupea harengus	"	0	6
Zeus faber	"	2	6	pilchardus	"	0	6
Gobius niger	"	1	0	sprattus	"	0	6
minutus	"	0	6	Anguilla vulgaris	"	1	6
ruthensparri	"	0	6	Conger vulgaris	each 3/6 to 10/-		
paganellus	"	0	6	<i>Lophobranchii</i>			
Callionymus lyra	"	0	9	Syngnathus acus	each	1	0
Cyclopterus lumpus	"	2	0	Nerophis lumbriciformis	"	1	0
Blennius pholis	"	1	0	aequorius	"	1	0
gattorugine	"	1	6	Syphonostoma typhle	"	1	0
ocellaris	"	1	0				

ALGÆ.

THE following algæ have been carefully selected during the period in which the vegetative structure or reproductive organs are in a state suitable for laboratory work, and are put up in tubes at one shilling each. Larger quantities can be supplied to laboratories at a reduced rate.

PHÆOPHYCÆ

Cystoseira ericoides
granulata
Pycnophycus tuberculatus
Ascophyllum nodosum

Fucus serratus
vesiculosus
Pelvetia canaliculatus
Himantalia lorea
Desmarestia aculeata

Desmarestia viridis
 Arthrocladia villosa
 Sporochnus pedunculatus
 Laminaria digitata
 Scytoliphon tomentaria
 Chorda filum
 Lomantaria articulata
 Cutleria multifida
 Dictyota dichotoma
 Dictyopteris polypodioides
 Stilophora rhizodes
 Asperococcus echinatus
 bullosus
 Litosiphon pusillus
 Mesogloia Griffithsiana
 viridis
 Leathesia Berkeleyi
 difformis
 Elachista fucicola
 flaccida
 stellulata
 scutulata
 velutina
 Myrionema sp.
 Cladostephus verticillatus
 Stypocaulon scoparium
 Sphaclaria cirrhosa
 Ectocarpus fasciculatus
 Pilayella littoralis

RHODOPHYCÆ

Rytiphlaea fruticulosa
 Polysiphonia urceolata
 elongata
 byssoides
 fastigiata
 violacea
 Dasya coccinea
 Rhodomela subfusca
 Bonnemaisonia asparagoides
 Laurencia dasyphylla
 Chylocladia kaliformis

Chylocladia clavellosa
 Jania rubens
 Corallina officinalis
 Melobesia lithophyllum
 Delesseria sanguinea
 hypoglossum
 Nitophyllum punctatum
 Hilliæ
 Stenogramme interrupta
 Rhodymenia bifida
 laciniata
 Gracilaria confervoides
 multipartita
 Gelidium corneum
 Gigartina mamillosa
 Cystoclonium purpurascens
 Chondrus crispus
 Gymnogongrus plicatus
 Polyides rotundus
 Halymenia ligulata
 Ginannia furcellata
 Nemalion multifidum
 Dudresnaia coccinea
 Ceramium ciliatum
 decurrens
 rubrum
 Spyridia filamentosa
 Wrangelia multifida
 Helminthora divaricata
 Callithamnion corymbosum
 plumula
 virgatulum
 pedicellatum

CHLOROPHYCÆ

Codium tomentosum
 Bryopsis plumosa
 Enteromorpha sp.
 Ulva latissima
 Porphyra sp.

CYANOPHYCÆ

Rivularia bullata

OBJECTS

OF THE

Marine Biological Association of the United Kingdom.

THE ASSOCIATION was founded at a Meeting called for the purpose in March, 1884, and held in the Rooms of the Royal Society of London.

The late Professor HUXLEY, at that time President of the Royal Society, took the chair, and amongst the speakers in support of the project were the late Duke of ARGYLL, the late Sir LYON PLAYFAIR, Lord AVERBURY, Sir JOHN HOOKER, the late Dr. CARPENTER, Dr. GÜNTHER, the late Lord DALHOUSIE, the late Professor MOSELEY, the late Mr. ROMANES, and Professor LANKESTER.

The Association owes its existence and its present satisfactory condition to a combination of scientific naturalists, and of gentlemen who, from philanthropic or practical reasons, are specially interested in the great sea fisheries of the United Kingdom. It is universally admitted that our knowledge of the habits and conditions of life of sea fishes is very small, and insufficient to enable either the practical fisherman or the Legislature to take measures calculated to ensure to the country the greatest return from the "harvest of the sea." Naturalists are, on the other hand, anxious to push further our knowledge of marine life and its conditions. Hence, the Association has erected at Plymouth a thoroughly efficient Laboratory, where naturalists may study the history of marine animals and plants in general, and where, in particular, researches on food fishes and molluscs may be carried out with the best appliances.

The Laboratory and its fittings were completed in June, 1888, at a cost of some £12,000. Since that time investigations, practical and scientific, have been constantly pursued at Plymouth. Practical investigations upon matters connected with sea-fishing are carried on under the direction of the Council; in addition, naturalists from England and from abroad have come to the Laboratory, to carry on their own independent researches, and have made valuable additions to zoological and botanical science, at the expense of a small rent for the use of a working table in the Laboratory and other appliances. The number of naturalists who can be employed by the Association in special investigations on fishery questions, and definitely retained for the purpose of carrying on those researches throughout the year, must depend on the funds subscribed by private individuals and public bodies for the purpose. The first charges on the revenue of the Association are the working of the sea-water circulation in the tanks, stocking the tanks with fish and feeding the latter, the payment of servants and fishermen, the hire and maintenance of fishing boats, and the salary of the Resident Director and Staff. At the commencement of this number will be found the names of the gentlemen on the staff. In no case does any one salary exceed £250.

The Association has received some £31,000, of which £15,000 has been granted by the Treasury. The annual revenue which can be at present counted on is about £1,820, of which £1,000 a year is granted by the Treasury, the remainder being principally made up in subscriptions.

The admirable Marine Biological Laboratory at Naples, founded and directed by Dr. Dohrn, has cost about £20,000, including steam launches, &c., whilst it has an annual budget of £7,000.

The purpose of the Association is to aid at the same time both science and industry. It is national in character and constitution, and its affairs are conducted by a representative Council, by an Honorary Secretary and an Honorary Treasurer, without any charge upon its funds, so that the whole of the subscriptions and donations received are devoted absolutely to the support of the Laboratory and the prosecution of researches by aid of its appliances. The reader is referred to page 4 of the Cover for information as to membership of the Association.

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NOTICE.

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The Council of the Marine Biological Association wish it to be understood that they do not accept responsibility for statements published in this Journal, excepting when those statements are contained in an official report of the Council.

TERMS OF MEMBERSHIP.

	£	s.	d.
Annual Members per annum.	1	1	0
Life Members Composition Fee.	15	15	0
Founders	100	0	0
Governors	500	0	0

Members of the Association have the following rights and privileges: they elect annually the Officers and Council; they receive the Journal of the Association free by post; they are admitted to view the Laboratory at Plymouth, and may introduce friends with them; they have the first claim to rent a place in the Laboratory for research, with use of tanks, boats, &c.; and have access to the books in the Library at Plymouth.

All correspondence should be addressed to the Director, The Laboratory, Plymouth.