

**VI.**  
**LEPEOPHTHEIRUS**  
**AND LERNAEA**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649334841

VI. Lepeophtheirus and Lernaea by Andrew Scott

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.  
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

[www.triestepublishing.com](http://www.triestepublishing.com)

**ANDREW SCOTT**

**VI.  
LEPEOPHTHEIRUS  
AND LERNAEA**



*L.M.B.C. MEMOIRS*

---

VI.

LEPEOPHTHEIRUS

AND

LERNÆA.

## NOTICE.

---

THE Committee desire to intimate that no copies of these Memoirs will be presented or exchanged, as the prices have been fixed so low that most of the copies will have to be sold to meet the cost of production.

The Memoirs may be obtained, post free at the nett prices stated, from Messrs. Williams and Norgate, 14, Henrietta Street, Covent Garden, London.

---

- Memoir I.** Ascidia—published in October, 1899, 60 pp. and five plates, price 2s.
- „ **II.** Cardium—published in December, 1899, 92 pp., six plates and a map, price 2s. 6d.
- „ **III.** Echinus—published in February, 1900, 36 pp. and five plates, price 2s.
- „ **IV.** Codium—published in April, 1900, 26 pp. and three plates, price 1s. 6d.
- „ **V.** Aleyonium—published in January, 1901, 30 pp. and three plates, price 1s. 6d.
- „ **VI.** Lepeophtheirus and Lernæa—now ready (March, 1901), 62 pages and five plates, price 2s.
- „ **VII.** Lineus—(in April), with four plates.

Liverpool Marine Biology Committee.

*L.M.B.C. MEMOIRS*

ON TYPICAL BRITISH MARINE PLANTS & ANIMALS

EDITED BY W. A. HERDMAN, D.Sc., F.R.S.

VI.

LEPEOPHTHEIRUS

AND

LERNÆA.

BY

ANDREW SCOTT,

*Resident Fisheries Assistant at the Piel Hatchery.*

(With 5 Plates)

PRICE TWO SHILLINGS.

LONDON

WILLIAMS & NORGATE

MARCH, 1901

Compl. to  
Guthrie  
11-29-30

#### EDITOR'S PREFACE.

THE Liverpool Marine Biology Committee was constituted in 1886, with the object of investigating the Fauna and Flora of the Irish Sea.

The dredging, trawling, and other collecting expeditions organised by the Committee have been carried on intermittently since that time, and a considerable amount of material, both published and unpublished, has been accumulated. Fourteen Annual Reports of the Committee and five volumes dealing with the "Fauna and Flora" have been issued. At an early stage of the investigations it became evident that a Biological Station or Laboratory on the sea-shore nearer the usual collecting grounds than Liverpool would be a material assistance in the work. Consequently the Committee, in 1887, established the Puffin Island Biological Station on the North Coast of Anglesey, and later on, in 1892, moved to the more commodious and convenient Station at Port Erin in the centre of the rich collecting grounds of the south end of the Isle of Man.

In these thirteen years' experience of a Biological Station (five years at Puffin Island and eight at Port Erin), where College students and young amateurs formed a large proportion of the workers, the want has been constantly felt of a series of detailed descriptions of the structure of certain common typical animals and plants, chosen as representatives of their groups, and dealt with by specialists. The same want has probably been felt in other similar institutions and in many College laboratories.

The objects of the Committee and of the workers at the Biological Station have hitherto been chiefly faunistic and speociographic. The work must necessarily be so at first



when opening up a new district. Some of the workers have published papers on morphological points, or on embryology and observations on life-histories and habits; but the majority of the papers in the volumes on the "Fauna and Flora of Liverpool Bay" have been, as was intended from the first, occupied with the names and characteristics and distribution of the many different kinds of marine plants and animals in our district. And this faunistic work will still go on. It is far from finished, and the Committee hope in the future to add greatly to the records of the Fauna and Flora. But the papers in the present series are quite distinct from these previous publications in name, in treatment, and in purpose. They will be called the "L.M.B.C. Memoirs," each will treat of one type, and they will be issued separately as they are ready, and will be obtainable Memoir by Memoir as they appear, or later bound up in convenient volumes. It is hoped that such a series of special studies, written by those who are thoroughly familiar with the forms of which they treat, will be found of value by students of Biology in laboratories and in Marine Stations, and will be welcomed by many others working privately at Marine Natural History.

It is proposed that the forms selected should, as far as possible, be common L.M.B.C. (Irish Sea) animals and plants of which no adequate account already exists in the text-books. Probably most of the specialists who have taken part in the L.M.B.C. work in the past, will prepare accounts of one or more representatives of their groups. The following have already promised their services, and in many cases the Memoir is already far advanced. The first Memoir appeared in October and the second in December, 1899, the third in February, and the fourth in April, 1900, the fifth in January, 1901, and this sixth one

in March, while the seventh will be ready early in April; others will follow, it is hoped, in rapid succession.

- Memoir I. ASCIDIA, W. A. Herdman, 60 pp., 5 Pls., 2s.  
 „ II. CARDIUM, J. Johnstone, 92 pp., 7 Pls., 2s. 6d  
 „ III. ECHINUS, H. C. Chadwick, 36 pp., 5 Pls., 2s.  
 „ IV. CODIUM, R. J. H. Gibson and Heien Auld,  
 26 pp., 3 Pls., 1s. 6d.  
 „ V. ALCYONIUM, S. J. Hickson, 30 pp., 3 Pls., 1s. 6d.  
 „ VI. LEPEOPHTHEIRUS AND LERNÆA, Andrew Scott,  
 62 pp., 5 Pls., 2s.  
 „ VII. LINEUS, R. C. Punnett, 4 Pls.  
 DENDRONOTUS, J. A. Clubb.  
 PERIDINIANS, G. Murray and F. G. Whitting.  
 ZOSTERA, R. J. Harvey Gibson.  
 HIMANTHALIA, C. E. Jones.  
 DIATOMS, F. E. Weiss.  
 FUCUS, J. B. Farmer.  
 GIGARTINA, O. V. Darbishire.  
 PLAICE, F. J. Cole and J. Johnstone.  
 BOTRYLLOIDES, W. A. Herdman.  
 CUTTLE-FISH (ELEDONE), W. E. Hoyle.  
 OSTRACOD (CYTHERE), Andrew Scott.  
 PATELLA, J. R. A. Davis and H. J. Fleure.  
 CALANUS, I. C. Thompson.  
 ACTINIA, J. A. Clubb.  
 BUGULA, Laura R. Thornely.  
 HYDROID, E. T. Browne.  
 MYXINE, G. B. Howes.  
 BUCCINUM, M. F. Woodward.  
 CALCAREOUS SPONGE, R. Hanitsch.  
 ARENICOLA, J. H. Ashworth.  
 ANTEDON, H. C. Chadwick.  
 OYSTER, W. A. Herdman and J. T. Jenkins.  
 PORPOISE, A. M. Paterson.

In addition to these, other Memoirs will be arranged for, on suitable types, such as *Sagitta* (by Mr. Cole), a Cestode and a Turbellarian (by Mr. Shipley), *Carcinus*, an Amphipod, and a Pycnogonid (probably by Dr. A. R. Jackson).

As announced in the preface to ASCIDIA, a donation from Mr. F. H. Gossage of Woolton met the expense of preparing the plates in illustration of the first few Memoirs, and so enabled the Committee to commence the publication of the series sooner than would otherwise have been possible. A second donation received since from Mr. Gossage, and another recently from Mrs. Holt, are regarded by the Committee as a welcome encouragement, and will be a great help in carrying on the work.

W. A. HERDMAN.

University College, Liverpool,  
March, 1901.

NOTE.—The present Memoir by Mr. Andrew Scott differs from those published and contemplated inasmuch as it deals with two generic types. At one time I thought of issuing *LEPROPHTHEIRUS* and *LEENÆA* as separate Memoirs; but, on consideration, it seemed clear that these two diverse types of Epizoa supplemented one another and illustrated well the range in form of the parasitic Copepoda, and that consequently it would be convenient to the student to have them under one cover.—W.A.H.