AN INTRODUCTORY TEXT-BOOK OF ZOOLOGY: FOR THE USE OF JUNIOR CLASSES

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649056187

An Introductory Text-Book of Zoology: For the Use of Junior Classes by H. Alleyne Nicholson

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

H. ALLEYNE NICHOLSON

AN INTRODUCTORY TEXT-BOOK OF ZOOLOGY: FOR THE USE OF JUNIOR CLASSES



AN

INTRODUCTORY TEXT-BOOK

OF

ZOOLOGY

INTRODUCTORY TEXT-BOOK

OF

ZOOLOGY

FOR THE USE OF JUNIOR CLASSES

BY

H. ALLEYNE NICHOLSON

M.D., D.Sc., Ph.D. (Gött.), F.R.S.E., F.L.S., F.C.S. PROFESSOR OF NATURAL HISTORY IN THE UNIVERSITY OF ST ANDREWS



WILLIAM BLACKWOOD AND SONS
EDINBURGH AND LONDON
MDCCCLXXXI

189. g. 268



PREFACE TO THE FIRST EDITION.

THE object of this work is to serve as an Introduction to the larger works by the Author upon the same subject,

The same general plan has been followed as in the 'Advanced Text-Book'—that is to say, more space has been devoted to the Invertebrate Animals than has usually been the case in Introductory works on Zoology. As a result of this, it will perhaps appear to some that comparatively scanty justice has been done to the Vertebrata. It is to be remembered, however, that the Vertebrate Animals are of no greater soological value or interest than any other of the primary divisions of the Animal Kingdom; and the limits of this work peremptorily forbid the introduction of anything beyond purely scientific matter, if each sub-kingdom is to receive its proper quota of description.

The style of the work has been as entirely freed from technicalities as possible, and most of those subjects have been omitted which require a previous acquaintance with the elements of Physiology, since the work is intended to be nothing more than an Introduction to Systematic Zoology.

PREFACE TO THE FIFTH EDITION.

In the present edition the subject-matter has been revised, and the general arrangement of certain of the larger groups of animals has been altered in accordance with the views now most generally accepted by naturalists. It has also appeared advisable to change some of the illustrations, and to add a certain number of additional engravings, which, it is hoped, will assist in the elucidation of the text.

 United College, St Andrews, February 14, 1881.

CONTENTS.

¥34

					.110	ν	AIVO	1			
PAGE	300										
	and gy— of the icties ms—	holog ms of Varie gdom	Anim Morph ivision ata—\ b-king	een on—) Subdi rtebu —Sul	between the between two between the betwee	ences -Class I Anal- ata and ersC ogical	Different of life— gy and ertebra — Orde — Zool-	oology- ditions Homol- dom—V Genera in space	nd Z Con logy King les ution	Organic and logy and Plants— Physiolo Animal I —Specie Distribu	
1-18	979	36	30		•	ne,	n in tir	stributi	h—D	in depth-	
19-35					Gregar		Proto	Forami	:ba —	General char: —Amæl sorian A	
					R II.	PTE	СНА				
		0.00	10000		0.11.2.3.554	CO. 000000				General chara terata—J	
36-38	325	(*)	8	20	53	3	**		•	duction,	
				i.	R 111	PTEI	СНА				
39-25	es of	types	ding	d lea	ers an	haract				Characters of the Hydr	

CHAPTER IV.

Characters of the Oceanic coralling,								52-67
Constitution of					: · ·			33 31
C	HAF	TER	٧.					
Characters of the Actinozoa	—Zos	antha	ria—C	Coral-	reefs-	-Alc	vo-	
naria —Ctenophora,	•			•		10		58-67
C	нар	TER	VI					
General characters of the E oidea—Ophiuroidea—C								68-78
Cì	HAP	TER	VI.	I.				
General characters and divis acters of the Scolecida laria—Acanthocephala								79-86
CI	IAP'	TER	VI	II.				
Characters of the Annelida— —Errantia,		dinea						86-91
C	HAE	TEI	K IX	۲.				
General characters of the sions of the Crustacea- Xiphosura—Water-fier	—De	capod	Crus					01.00
Alphosnia Water-Bei	15-0	ширс	ж.	7	23	326	M	91-99
(СНА	PTE	R X	ζ.				
General characters of the Scorpions-Spiders,	Arac		— Sei			-Mite		99-103
C	CHA	PTE	R X	1.				
Characters of the Myriapor	da—C	Centip	edes-	-Mill	epede	s, .	1	03, 104