PHASES OF ANIMAL LIFE. PAST AND PRESENT

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649669899

Phases of Animal Life. Past and Present by R. Lydekker

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

R. LYDEKKER

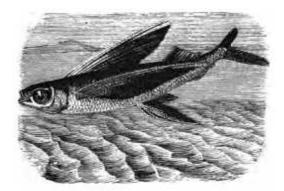
PHASES OF ANIMAL LIFE. PAST AND PRESENT

Trieste

PHASES OF ANIMAL LIFE PAST AND PRESENT.

.

BY R. LYDEKKER, B.A. (CANTAB.)



LONDON : LONGMANS, GREEN, AND CO. AND NEW YORK: 15 EAST 16th STREET. 1892.

12

All rights reserved.

Mused M8

ŧ

QL			
47		65	
L97	3		

786123-152

PREFACE.

THE following Essays are, by the kind permission of the Editor, reproduced from KNOWLEDGE, with some emendations, and a few additional illustrations.

They are intended to illustrate in a popular manner a few of the various modes in which animals—especially vertebrates—are adapted to similar conditions of existence; and also to demonstrate some of the more remarkable types of structure obtaining among the higher vertebrates. It will be found that while some of the Essays form a continuous series, others are totally unconnected with those to which they stand in juxtaposition. While living forms are by no means neglected, especial attention is concentrated on the less known, strange, and often gigantic creatures which have now passed away for ever, and are revealed to us—it may be but obscurely—only by their dry bones.

The series has, the author flatters himself, met with a favourable reception in its original form; and he trusts that it may obtain at least equal approval in its present guise. 10

10 12 33 33 82 9 J 5 352

±3 ÷ (* ------18 2.2 1.5 . 32 •17 23 Contract State *: 8a -्रि (द्वार्थक्र स 1

S¥

.

CONTENTS.

8: 32

4

122

•3

CHAP. I.	MAIL-CLAD ANIMALS		6 I	8	a i				PAGE I
п.	FLYING ANIMALS		8	2			85	2	18
III.	SWIMMING ANIMALS	a 1	8	2	3	13	1	-	39
17.	PRIMEVAL BALAMAND	DRS ,		2	2	<i>.</i> 27	•	2	66
v,	FISH-LIZARDS, OR SH	ORT-NI	CKH	D SE	A-LIZ	ARDS		•	77
¥1.	PLESIOSAURS, OR LON	e-arc	RED	BEA-	LIZAI	RDS	·		89
VI I.	TORTOISES AND TURT	. 28	8			Ē.	8	÷	99
V 111.	GIANT LAND REPTILS	8, OB	DINC	SAU	45	•		ł	112
13.	PLYING DRAGONS, OR	PTER	ODAC	ty lek	в	•	ła.		138
x .	GIANT BIRDS .	8 4	ŝ.	8		٠		•	147
XI.	EGG-LAYING MAMMAL	s, or	мом	TRE	K 17.8	•	•		159
хп.	POUCHED MAMMALS,	OR MA	RSUP	MAL8	2	30	•	•	173
XIII.	DOGS AND BEARS		8	5		3 95	t 2	•	186
XIV.	TEETH AND THEIR VA	RIATI	ons	8	a - 3		5	1	198
XV.	HORNS AND ANTLERS		92 - 3		3	58	9	1	226
XVI.	RUDIMENTARY STRUCT	URES					•		236

÷

•



ite Sector

	¥0			ίŧ.					
\$()						п ³³	а 18	i.	
52					134		97 (H		
84 63								÷.	
					se				
								82	
8 8 - 24	¥3								
8.8									
÷									8
							5		
							ŧ3		
S - 93			38					10	
8									
 (a) 			<i>Si</i>	34	1	æ	Kat		
<u>76</u> .3						100			

PHASES OF ANIMAL LIFE, PAST AND PRESENT.

. XI

왜 제 문

17

Į.

CHAPTER I.

MAIL-CLAD ANIMALS.

AMONG civilised nations throughout the world the practice of protecting their fighting-men by coats of mail, which prevailed so extensively during the middle ages, has been entirely abandoned; the cuirass of the English Household Cavalry and of the French Cuirassiers being a survival, or, as naturalists would say, a rudiment, of the complete coat-of-mail, which is retained more on account of the smartness which it adds to the equipment than for any practical use as a protection. The use of armour as a protection has, indeed, been transferred from men's bodies to the sides of ships of battle; and even there it appears problematical whether the ever-increasing weight of the armour which is necessary to keep pace with the development in the size and speed of the missiles employed against it will not eventually become so burdensome as to lead to its abandonment.

A