THE SOLUTION OF THE PYRAMID PROBLEM; OR, PYRAMID DISCOVERIES, WITH A NEW THEORY AS TO THEIR ANCIENT USE

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649476473

The Solution of the Pyramid Problem; Or, Pyramid Discoveries, with a New Theory as to Their Ancient Use by Robert Ballard

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

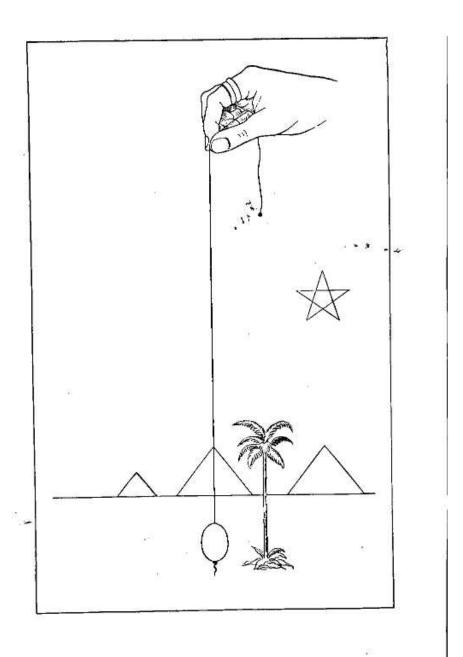
This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this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

www.triestepublishing.com

ROBERT BALLARD

THE SOLUTION OF THE PYRAMID PROBLEM; OR, PYRAMID DISCOVERIES, WITH A NEW THEORY AS TO THEIR ANCIENT USE





THE SOLUTION

OF THE . .

PYRAMID PROBLEM

OR,

PYRAMID DISCOVERIES.

WITH A

NEW THEORY AS TO THEIR ANCIENT USE.



ROBERT BALLARD,

M. INST. C.E., ENGLAND: M. AMER. SOC. C.E.,
CHIEF ENGINEER OF THE CRETERIA AND MORTHERN RAILWAY DIVISION
OF THE COLORY OF QUEENSLAND,
AUSTRALIA.

NEW YORK: JOHN WILEY & SONS. . 1982.

NOTE.

In preparing this work for publication I have received valuable help from the following friends in Queensland:—

- E. A. Delisser, L.S. and C.E., Bogantungan, who assisted me in my calculations, and furnished many useful suggestions.
- J. Brunton Stephens, Brisbane, who persuaded me to publish my theory, and who also undertook the work of correction for the press.
- J. A. CLARKE, Artist, Brisbane, who contributed to the Illustrations.

LYNE Brown, Emerald,—(photographs).

F. ROTHERY, Emerald,—(models).

and-A. W. Voysey, Emerald,-(maps and diagrams).

11

CONTENTS.

	The state of the s	
§1.	The Ground Plan of the Gizeh Group	PAGE 9
•	Plan Ratios connected into Natural Numbers	13
§2.	The Original Cubit Measure of the Gizeh Group	15
83.	The Exact Measure of the Bases of the Pyramids	19
§4.	The Slopes, Ratios and Angles of the Three Principal	
3200	Pyramids of the Gizeh Group	20
§ 5.	The Exact Dimensions of the Pyramids	23
§6.	Geometrical Peculiarities of the Pyramids	28
86A.	· · · · · · · · · · · · · · · · · · ·	32
§7.	Peculiarities of the Triangles 3, 4, 5 and 20, 21, 29	35
§8.	General Observations	38
89.	The Pyramids of Egypt the Theodolites of the Egyptian	1.75
	Land Surveyors	41
10.	How the Pyramids were made use of	44
11.	Description of the ancient Portable Survey Instrument	51
	Table to explain Figure 60	64
12.	Primary Triangles and their Satellites;—or the Ancient	
	System of Right-angled Trigonometry unfolded by a	201
	Study of the Plan of the Pyramids of Gizeh	65
pent.	Table of some "Primary Triangles" and their Satellites.	74
13.	The Size and Shape of the Pyramids indicated by the	
Lan	Plan	77
14.	A Simple Instrument for laying off "Primary Triangles"	79
141.	General Observations	80
15.	Primary Triangulation	82
16,	The Pentangle or Five-pointed Star the Geometric Sym-	
	bol of the Great Pyramid	91
200 50000	Table shewing the comparative Measures of Lines	96
17.	The manner in which the Slope Ratios of the Pyramids	
	were arrived at	IO4



LIST OF WORKS CONSULTED.

Penny Cyclopædia. (Knight, London. 1833.) Sharpe's Egypt.

- "Our Inheritance in the Great Pyramid." Piazzi Smyth.
- "The Pyramids of Egypt." R. A. Proctor. (Article in Gentleman's Magazine. Feb. 1880.)
- "Traite de la Grandeur et de la Figure de la Terre." Cassini. (Amsterdam. 1723.)
 - " Pyramid Facts and Fancies." J. Bonwick.

to go