

CAMBRIDGE LIBRARY COLLECTION

Books of enduring scholarly value

Archaeology

The discovery of material remains from the recent or the ancient past has always been a source of fascination, but the development of archaeology as an academic discipline which interpreted such finds is relatively recent. It was the work of Winckelmann at Pompeii in the 1760s which first revealed the potential of systematic excavation to scholars and the wider public. Pioneering figures of the nineteenth century such as Schliemann, Layard and Petrie transformed archaeology from a search for ancient artifacts, by means as crude as using gunpowder to break into a tomb, to a science which drew from a wide range of disciplines - ancient languages and literature, geology, chemistry, social history - to increase our understanding of human life and society in the remote past.

A Guide to the Prehistoric Rock Engravings in the Italian Maritime Alps

In the mountainous border region between France and Italy lies the Vallée des Merveilles. Still surprisingly remote, and dominated by Mont Bégo, it contains alpine meadows, rare flora and fauna, spectacular glaciated rock formations, and over 35,000 Bronze Age rock engravings that are only free of snow for a few months of the year. Though this major archaeological site was mentioned in print around 1650, the first thorough guidebook was published in 1913 by Clarence Bicknell (1842–1918), a Cambridge graduate and Anglican clergyman who had settled on the Riviera around 1880. Bicknell published several books on the botany of the region, but it was not until the 1890s that he began in earnest to explore the petroglyphs, a project he continued into his seventies. He built up a collection of over 12,000 drawings, rubbings and photographs, which form the basis of the 46 plates that illustrate this book.



Cambridge University Press has long been a pioneer in the reissuing of out-of-print titles from its own backlist, producing digital reprints of books that are still sought after by scholars and students but could not be reprinted economically using traditional technology. The Cambridge Library Collection extends this activity to a wider range of books which are still of importance to researchers and professionals, either for the source material they contain, or as landmarks in the history of their academic discipline.

Drawing from the world-renowned collections in the Cambridge University Library and other partner libraries, and guided by the advice of experts in each subject area, Cambridge University Press is using state-of-the-art scanning machines in its own Printing House to capture the content of each book selected for inclusion. The files are processed to give a consistently clear, crisp image, and the books finished to the high quality standard for which the Press is recognised around the world. The latest print-on-demand technology ensures that the books will remain available indefinitely, and that orders for single or multiple copies can quickly be supplied.

The Cambridge Library Collection brings back to life books of enduring scholarly value (including out-of-copyright works originally issued by other publishers) across a wide range of disciplines in the humanities and social sciences and in science and technology.



A Guide to the Prehistoric Rock Engravings in the Italian Maritime Alps

CLARENCE BICKNELL





CAMBRIDGEUNIVERSITY PRESS

University Printing House, Cambridge, CB2 8BS, United Kingdom

Cambridge University Press is part of the University of Cambridge. It furthers the University's mission by disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence.

> www.cambridge.org Information on this title: www.cambridge.org/9781108082587

© in this compilation Cambridge University Press 2015

This edition first published 1913 This digitally printed version 2015

ISBN 978-1-108-08258-7 Paperback

This book reproduces the text of the original edition. The content and language reflect the beliefs, practices and terminology of their time, and have not been updated.

Cambridge University Press wishes to make clear that the book, unless originally published by Cambridge, is not being republished by, in association or collaboration with, or with the endorsement or approval of, the original publisher or its successors in title.



C. BICKNELL

A GUIDE

ŧо

THE PREHISTORIC ROCK ENGRAVINGS

in

The Italian Maritime Alps



BORDIGHERA

Printed by GIUSEPPE BESSONE
1913





CONTENTS

| EXPLAN | NATION O | F THE | PLATE | es . | • | • | | • | • . | ٠. | • | Page | V. |
|----------|-----------|-------|----------|----------|---------|---------|-------|-------|--------|---------|-----|----------|------------|
| PREFAC | Œ | • | | | | | | | | • | | » | |
| Снарті | er I. — | The F | Regions | of the | Prehis | toric . | Rock | Eng | ravinį | gs | | » | 1 |
| » | II. — | Accou | nts of | the Lag | ghi del | le Me | ravig | lie a | nd V | al Fo | n- | | |
| | | to | nalba | regions | by pr | evious | writ | ers a | nd vi | isitors | | » | 13 |
| » | III. — | The s | tory of | our o | wn exp | lorati | ons | • | | • | | » | 25 |
| » | IV. — | Descr | iption (| of the I | Rock E | ngrav | ings | | | • | | » | 32 |
| » | v. — | Mode | rn Insc | riptions | | • | | | | • | | » | 58 |
| » | VI. — | The n | neaning | of the | figure | es. | • | | | | | » | 63 |
| » | VII. — | Guide | to the | Fonta | nalba i | region | • | | | | ٠. | » | 7 9 |
| » | VIII. — | Guide | to the | figure | d rocks | s in V | al Va | alaur | etta, | Val V | al- | | |
| | | n | ıasca a | nd nea | r Col | Sabbio | one | | • | | | » | 97 |
| » | 1X. — | Guide | to the | Merav | iglie r | egion | | | | | | » | 101 |
| Вівціос | GRAPHY | • | • | | • | • | | • | | | | » | 115 |
| Actual | dimension | is of | the roc | k figur | es whic | :h are | repr | oduc | ed on | a sm | all | | |
| | | - | | the Pla | | | _ | | | | | » | 117 |







Explanation of the Plates

- I. 1. The lower of the Laghi delle Meraviglie.
 - 2. A schist rock in Val Fontanalba.
- II. Engraved rocks in Val Valauretta.
- III. Figures of ploughs with oxen and men. Oxen yoked to plough without men. Oxen with harrow. Oxen merely yoked.
- IV. Figure of plough with oxen and three men in Val Fontanalba.
- V. 1. A man ploughing in Val Casterino.
 - 2. Napoleon rock. Plough with man.
- VI. 1. Plough without man in the Arpeto region.
 - 2. Oxen with harrow in Val Fontanalba.
- VII. Horned figures. Horns branching, horizontal, upright, zigzag.

 Horns like those of ordinary cattle. Fork-like horns.

 Horns with loops.
- VIII. Horns with crossbar. Three-horned and four-horned figures.

 Horns with long neck. Heads or bodies of various shapes, square, round, triangular, weapon-like. Horned figures with appendages between the horns; with one appendage on either side, with two, with three. Horned figures with tails, with eyes.
 - IX. Horned figures with spots etc. between the horns. Horned figures two together, three together. Horns facing each other. Horns turned away from each other. Strange forms of horns.
 - X. Strange horned figures in Val Fontanalba near the scree at the foot of the Monte Bego ridge.



- VIII -

- XI. Weapons and implements in the Meraviglie region. Sickles, knives, daggers, spear-heads, arrow-heads, axes, hammers, clubs etc.
- XII. The same continued.
- XIII. Weapons and implements in the Fontanalba region. Figures of men, and of men with implements or weapons.
- XIV. 1. Figure of halberd in Val Fontanalba.
 - 2. Two of four similar figures on a rock in Val Fontanalba, in which the contour of the blades and the handles are cut, not punched.
- XV. Part of a surface in the Vallone della Rocca with figure of a triangular dagger.
- XVI. 1. Figures of men with implements in Val Fontanalba.2. Part of another rock with the same kind of figures.
- XVII. 'The Chief of the Tribeş' in the Vallone delle Meraviglie.
- XVIII. Geometrical figures in Val Fontanalba. Huts with enclosures. The same with spots. Margherie or villages.
 - XIX. 1. Napoleon Rock in Val Fontanalba. Enclosures with spots.2. Part of 'The Monte Bego Village.'
 - XX. Skins and figures of skin type. Portions of rocks with such figures.
 - XXI. The 'Scala di Paradiso' rock in Val Fontanalba.
 - 1. From a photograph.
 - 2. From a rubbing.
- XXII. Geometrical figures in the Meraviglie region. Nets or hurdles and other figures of somewhat similar type.
- XXIII. The same continued. Portion of a rock with such figures.
- XXIV. 1. Figures on a rock in 'The Défilé.'
 - 2. Figures on 'Monsieur Rivière's rock.'
- XXV. Figures in the Fontanalba region. The eastern hillside above the lower part of the valley. The slopes of the buttress across the valley. The 'Via Sacra.' The upper Margheria and valley north of it.



_ IX _

- XXVI. Figures in the 'Via Sacra.'
- XXVII. 1. Rock near the path by the upper Margheria.
 2. Another.
- XXVIII. 1. 'The Ciappe di Fontanalba' from Lago Verde.
 - 2. The same from the lower of the two small lakes north of Lago Verde.
 - XXIX. Upright rock on 'Skin Hill.'
 - XXX. The marshy valley. Skin Hill. The Santa Maria rocks. First and second ridges.
 - XXXI. The great red Santa Maria rock.
- XXXII. The Santa Maria rocks continued. The 3rd ridge. Figures on the great red Santa Maria rock The Central Mass. The 'Castle Rock' ridge. 'Elephant Gully' and rocks beyond it. The 'Big Beast' gully. The upper great smooth surface. The middle large smooth surface. The lower large smooth surface.
- XXXIII. Two views of the upper large smooth surface.
- XXXIV. Figures on the middle and southern parts of the central mass. The south-east corner. The small gully and head of it. The hillside above the valley beyond Lago Verde.
- XXXV. 1. View of the hillside beyond Lago Verde.
 - 2. A horned figure with parallelograms between the horns
 - 3. 'The Shirts' rock.
- XXXVI. 1. Portion of the 'Three Hundred Rock.'
 - 2. Another portion of it.
- XXXVII. Figures on the hillside beyond Lago Verde (continued).

 The head of the Great Gully and the amphitheatre beyond. The upper Fontanalba valley to M. Bego.
- XXXVIII. Figures in the Meraviglie Region. The left bank of the Vallone. The left bank of the lower lake. 'Bird Rock' and 'Altar Rock.' Slopes of Monte Bego.
- XXXIX. 1. View of the north side of 'Altar Rock.'
 - 2. The south side.

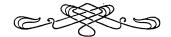


- X -

- XL. 1. Figures on the south side of 'Altar Rock.'
 - 2. Figures on the 'Rock Waves.'
- XLI. Figures on the slopes of Monte Bego. The right bank of the lower lake. The hillside between the lower and upper lakes. The 'Rock Waves.' The 'Défilé.' The hillside above the right bank of the Vallone. The Vallone della Rocca.
- XLII. The Vallone della Rocca (continued). The Arpeto region.

 Val Arpeto. The right bank of the Laghi Lunghi. The regions of Lago Carbone and the Laghi del Trem.

 Groups of figures.
- XLIII. 1. Rock by the stream from the upper lake. 2. Hillside beyond L. Verde. 3. Group of horned figures. 4. Skin Hill village. 5. 6. Near Napoleon rock. 7. By Lago delle Meraviglie. 8. The smallest horned figure known in the Fontanalba region.
- XLIV. Groups of figures in Val Fontanalba. 1. On 'Castle Rock' ridge. 2. Near the upper Margheria. 3. At the foot of the great red S. Maria rock. 4. On 'Skin Hill.' 5. At the foot of the S. Maria rocks.
- XLV. 1. The Monte Bego village. 2. Rock on 'Skin Hill.' 3. The largest horned figure.
- XLVI. Heelball rubbing of figures on a rock from the head of the small gully in Val Fontanalba.





PREFACE

So much has lately been written about the Prehistoric Rock-Engravings in the Italian Maritime Alps, that an apology seems to be needed for publishing anything more; but as I am now, after twelve years of almost continuous explorations, pretty well acquainted with the whole region, and think that there is not much more to be discovered, I wish to say my last word upon the subject, and gather together the substance of what I have already printed in many pamphlets, taking advantage of what has been written by others, and especially by those scientific visitors who under our guidance have seen some small portion of the vast region where the engravings are to be found. It is not at all likely that anyone will ever be able to devote so many years as we have done to the neighbourhood, and we therefore hope that this book will serve as a guide to those who may come in the future, and enable them to find without great loss of time what is most worth seeing. Though I am alone chiefly responsible for the following pages, I use the word 'we' in speaking of our explorations and discoveries, because I have nearly always been accompanied by my Italian friend Signor Luigi Pollini, for very many years my faithful assistant at home, and my helpful companion when travelling and botanizing in Europe, Africa and Asia. Without his quicker eyes, nimbler feet, and indefatigable assistance, very many of the rocks most difficult of access, and of the figures cut upon them, would not have been discovered. He has climbed steep and slippery places where I was loth to go, and taken copies and made photographs of the figures there, and has never been weary when I could walk or work no more. I therefore take this opportunity of thanking him for the great service he has rendered me,



- XII -

without which a large part of what follows could not have been written. I also desire to thank my friend Professor Arturo Issel for the encouragement he has always given me to continue the explorations, and to publish from time to time some account of them.

As the figures on the rocks vary greatly in size, from a few centimetres to a few metres, and we have been obliged to place the copies of those which we have chosen for our plates in close juxtaposition, we have drawn them by eye, not always as well as we could have wished, but we believe accurately. The labour of reducing so many by means of a pantograph would have been very great, and we should have been obliged to use a great number of different scales. We have therefore given, for those of our readers who care to know the actual dimensions of the original rubbings, their vertical and horizontal lengths in centimetres. By this method we think it is easier to grasp at once what is the real size of the originals, than if one is told that the figures of the plates are 1/8, 1/10, or whatever it may be.

We have to thank Signor Benigni of Bordighera for the large photographs; the small ones were taken by ourselves.

Since the following pages were written we have spent another summer in Val Casterino. In Val Fontanalba we have copied about a hundred more figures, chiefly small or indistinct ones, but in the Meraviglie region we have discovered some engraved rocks on the slopes of M. Bego high above Laghi Lunghi and others above the right bank of the Vallone, sone of them very interesting ones, and have added some 250 figures to our collection, so that our total amounts to nearly 5150 for the Meraviglie, over 7000 for Val Fontanalba, about 130 for Val Valauretta and 20 for Col Sabbione, in all more than 12,000.

CLARENCE BICKNELL.

Bordighera, 1913.

