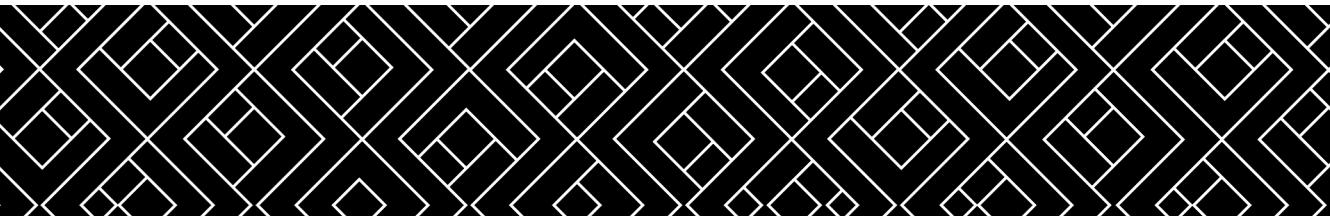


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PLATE I



Photograph by F. W. Bond

AN ADULT MALE HAMADRYAS BABOON WITH HIS FEMALE

[frontispiece]

THE SOCIAL LIFE OF MONKEYS AND APES

S ZUCKERMAN



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INTRODUCTION AND PREFACE TO SECOND EDITION

The Social Life of Monkeys and Apes came out in 1932 and has now been out of print for more than thirty years. It is, however, still referred to in current literature. Some writers describe it as a "classic", by which is presumably meant a kind of historical document; others as a continuing source of useful information; and a few call it a work whose central theme has been "upturned". Among comments which I have read recently is a lengthy French summary¹ of the book which ends with the statement that most of the generalizations which I had spelt out continue to be of fundamental importance in the study of primates. Another recent comment² is that the book is a remarkable synthesis of "physiological and behavioural data" and one which has "not been superseded by any comparable standard works". A third writer observes³ that a "theory of primate sociality" which I had formulated had "engendered a thirty-year controversy over the role of mating bonds in the organization of social groupings of primates", even though, as was added, the validity of the observations on which the "theory" was based, and which some workers have doubted, have been confirmed. A more recent comment⁴ is that the "controversial nature" of my hypothesis "is far from spent", while according to yet another writer,⁵ "the entire frame of reference" within which my study was made 'had been disposed of'—although what frame, and how disposed of, and by whom, is not revealed. The most recent review⁶ that I have read states that the book "was an

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important landmark for primate field studies not only in its timing but also in the identification of themes which have remained as central issues to the present day."

The background of *The Social Life* was a naturalist's understanding of the way the South African Chacma baboon lives in the wild. These animals were part of the landscape in which I grew up—indeed, so much a part that I had a general sense of the make-up of a pack of wild baboons long before I became interested in matters relating to the evolutionary relationship of man to his monkey "cousins". Before I embarked on my professional career, I had also begun an anatomical study of the animal, collecting specimens in the eastern part of South Africa, where I had been able to keep a systematic watch on a particular troop of baboons as they went through their daily routine in the territory in which they lived.

The way the book was conceived is told in the Preface to the original edition. When I became attached to Grafton Elliot Smith's Department of Anatomy in University College, London—as what today would be called a graduate student—I was immediately drawn into vigorous debates about man's physical and social evolution, at a time when the adjoining Departments of Physiology and Biochemistry were pioneering studies which were to provide part of the foundation of our present understanding of the control of the reproductive cycle in mammals. It was a period of intense intellectual activity, with fewer barriers between different fields of scholarship than exist in our present era of specialization. Bertrand Russell's *Outline of Philosophy*, as well as other books on scientific method, Watson's "behaviourism", Koffka's *The Growth of Mind*, and Köhler's *Mentality of Apes* together with other works on *gestalt* philosophy, had just appeared. They were all topics of lively discussion. An opportunity to focus what was emerging in these seemingly disparate fields of scholarship onto the subject of the social life of sub-human primates was provided by my appointment in 1928 to the post of Research Anatomist—"Prosector"—to the Zoological Society of London.

The particular field of physiology which was then the centre of my interest was the nature and hormonal control of the menstrual cycle and, related to it, the manner in which the interrelations of the members of a polygynous family party of baboons varied with the phases of the menstrual cycle as these changed among the mature females of the group. Almost half of the book is devoted to the consideration of these topics, which for many more years remained central to my studies. The broad outlines of the picture which I then presented have remained unchanged since then, and indeed have been reinforced by the considerable advances that have been made, through experimental laboratory studies, in our understanding of the hormonal control of the menstrual cycle in the group of mammals to which we belong. Over the past fifteen years or so, there has also been a vast increase in studies of the behaviour of both wild and captive monkeys and apes, and more recently of some of the more primitive primates belonging to the sub-order of the prosimians—the lemurs, lorises and galagos. Devices such as radio-transmitters have been used to provide accurate information about the distribution and daily movement of animals belonging to the lemuroids, while an illusion of quantitative precision has been lent to field observations of monkeys and apes through the use of standard statistical procedures. At the same time, points of view different from the deterministic one from which I approached the subject have been introduced into the interpretation of the facts—points of view which range from the so-called ecological (a term which now has political as well as scientific connotations) to the overtly anthropomorphic.

From time to time over the years I have written articles and reviews on themes which I had formulated in the book. But until now I have failed to respond to repeated requests from the publishers to prepare a second edition. The first request was put before the start of the Second World War, when I was heavily involved in experimental studies of some of the physiological problems which I had defined in the book, and at a time when I did not feel that the broad generalizations which I had drawn about the social life of

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sub-human primates needed any significant amendment in the light of what I had either read on the subject or had discovered for myself in the preceding eight years. I also failed to co-operate in a later proposal that the book should be reprinted as it stood, and that it should also appear, unrevised, as one of the late Sir Allen Lane's series of Penguin paperbacks. About ten years ago, after another request from the publishers, I began to prepare a new edition. When I had all but revised those chapters on reproductive physiology which I felt it would be worthwhile bringing up to date, other interests once again got in the way and made me push the work aside. It was then that I abandoned the idea of re-writing any part of the book.

The publishers, for whose patience and tolerance I am grateful, have now decided to reprint the original text, together with a Postscript and some articles and reviews, which bear on matters raised in the book, that I have published in the intervening years, particularly on the correlation of different manifestations of dominance within and between family groups that make up the basic social units in the life of monkeys and apes.

The book is being reprinted as it appeared, without any modernization of the terminology, scientific or taxonomic, of the period. Modern terminology is used in the Postscript, where all page references are to the original text.

S. ZUCKERMAN.
October 1979.

TO SECOND EDITION

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