
Kroeber Anthropological Society Papers

Nos. 71-72, 1990

Kroeber Anthropological Society Papers

Numbers 71 and 72, 1990

Physical Anthropology at Berkeley

Papers by current students and recent graduates of the Department of Anthropology
University of California, Berkeley

Contents

Preface

Katherine L. Dustin

A Case Study of the "*erectus*" - "*sapiens*" Transition in Asia: Hominid Remains
from Hexian and Chaoxian Counties, Anhui Province, China

Dennis A. Etler..... 1

Colobine Socioecology and Female-bonded Models of Primate Social Structure

Craig B. Stanford..... 21

Towards a More Critical Biomedical Anthropology

John S. Allen..... 29

Morphology and Metrics of the Upper Third Molars of *Australopithecus afarensis*

Pelaji S. Kyauka..... 35

Humeral Morphology of Achondroplasia

Rina Malonzo and Jeannine Ross..... 41

Is Sociobiology Methodologically Flawed?

P. Thomas Schoenemann..... 49

Comparative Dental Metrics and the Radiation of New World Monkeys: A Preliminary
Analysis

Walter Carl Hartwig..... 57

Neandertals and the Anterior Dental Loading Hypothesis: A Biomechanical Evaluation
of Bite Force Production

Susan C. Anton..... 67

Diet, Species Diversity and Distribution of African Fossil Baboons

Brenda R. Benefit and Monte L. McCrossin..... 77

The Kroeber Anthropological Society Papers

Numbers 71 and 72, 1990

Editor: Katherine L. Dustin

Computer Typesetting: Katherine L. Dustin

Special thanks to Justin Hyland, Jennifer Beer and Roland Moore

Printed by GRT Printing, Oakland, CA

Subscriptions:

The *Papers* are published by the Kroeber Anthropological Society. The cost for students is \$12.00, for non-students \$15.00, for institutions \$18.00, and for all foreign subscribers \$20.00 U.S. Back issues are also available.

Inquiries should be sent to:

Kroeber Anthropological Society Papers
Department of Anthropology
University of California
Berkeley, CA 94720

Preface

The Kroeber Anthropological Society Papers was first published in 1950, a year after the Kroeber Anthropological Society was founded. Thus, this edition marks 40 years of continuous publication of *The Papers* by the Kroeber Anthropological Society, the oldest student-run anthropology organization in the United States. The publication of *The KAS Papers* has been and continues to be entirely carried out by the volunteer effort of graduate students at Berkeley, and is supported by the resources of the students and the members of the Society.

The papers published in this edition of *The Kroeber Anthropological Society Papers* are devoted solely to topics within the subfield of physical anthropology. All the authors are connected to the Department of Anthropology at the University of California, Berkeley in some way, be it as recent bachelor's candidates, current graduate students or recent Ph.D.'s. The articles provide a sampling of the latest research being done in physical anthropology at Berkeley; however, they are not meant to completely represent the spectrum of work being performed here. Topics covered in this edition include hominid evolution, primate socioecology, biomedical anthropology, primate dental metrics, sociobiology, osteology and primate evolution.

The last time *The KAS Papers* published any articles concerning physical anthropology was in 1977, when, like now, an entire edition was devoted to the subject. Several of the authors of that edition have gone on to successful careers in physical anthropology. Before 1977, less than a dozen physical anthropology articles had been published in *The KAS Papers*, out of a total of almost 300 papers. This edition is an effort to rectify this historically grievous condition.

-- Katherine L. Dustin, Editor