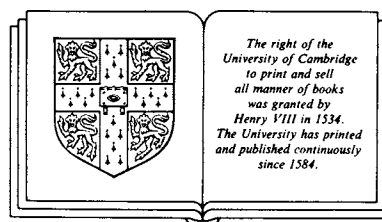


NEW DIRECTIONS IN ARCHAEOLOGY*Editors***Richard Bradley***Reader in Archaeology, University of Reading***Timothy Earle***Associate Professor of Anthropology, University of California,
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Museum, Oxford***QUANTIFYING DIVERSITY
IN ARCHAEOLOGY**

Cambridge University Press
978-0-521-10850-8 - Quantifying Diversity in Archaeology
Edited by Robert D. Leonard and George T. Jones
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CAMBRIDGE UNIVERSITY PRESS
CAMBRIDGE
LONDON NEW YORK NEW ROCHELLE
MELBOURNE SYDNEY

Cambridge University Press
978-0-521-10850-8 - Quantifying Diversity in Archaeology
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[More information](#)

CAMBRIDGE UNIVERSITY PRESS
Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi

Cambridge University Press
The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org
Information on this title: www.cambridge.org/9780521108508

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First published 1989
This digitally printed version 2009

A catalogue record for this publication is available from the British Library

Library of Congress Cataloguing in Publication data

Quantifying diversity in archaeology/edited by Robert D. Leonard and
George T. Jones

p. cm – (New directions in archaeology)

Bibliography.

Includes Index.

ISBN 0 521 35030 1

1. Archaeology – Methodology. 2. Material culture. I. Leonard.

Robert D. II. Jones, George Thomas. III. Series.

CC75.7.Q36 1989

930.1–dc19 88-12297 CIP

ISBN 978-0-521-35030-3 hardback
ISBN 978-0-521-10850-8 paperback

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Cambridge University Press
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PREFACE

The idea for this volume originated in the spring of 1983, in our discussions as to how most effectively to characterize archaeological variation and the statistical properties of archaeological assemblages. At that time, we were graduate students working on our dissertations in the Department of Anthropology at the University of Washington, Seattle. We had each amassed large data sets across which we wished to make valid statistical comparisons. Our training under Donald K. Grayson, whose research on faunal diversity is the basis for much current interest in this topic, had prepared us to be suspicious of straightforward comparisons of these data. At the same time, his work offered several directions that we thought could be profitably taken to make valid comparisons regarding assemblage diversity. In examining the contemporary archaeological literature we found that a number of archaeologists were beginning to show similar concerns regarding the valid measurement of archaeological diversity. Yet many other archaeologists had not yet given these issues full consideration. For this reason, and because no synthetic treatment was available, this volume was created to bring these issues to a broader audience of archaeologists.

We would like to thank Donald K. Grayson and Robert C. Dunnell for the encouragement they have offered throughout the

history of this project. We would also like to acknowledge the past scholarly efforts of Donald K. Grayson in addressing the topic of archaeological diversity. The success of his efforts may be seen in that many, if not all, of the papers in this volume build on his research. Jeremy Sabloff and Timothy Earle, editors for the *New Directions in Archaeology* series, gave enthusiastic support for the volume, and its publication is due, in no small part, to their efforts. We thank Charlotte Beck, Margaret Conkey, and Trish Ruppe' for their timely advice and encouragement. Barbara Stark and Michael Jochim were kind enough to critique several papers in draft. We thank Peter Richards, Cambridge University Press, who expertly handled our inquiries and brought the volume to publication. We would also like to thank Margaret Deith of Cambridge University Press for her skillful copy editing. We are grateful to Thad Mantaro, Heidi Reed, and Jan Pieroni for bibliographic and editorial assistance. Finally, we acknowledge the authors who responded so well to our requests and the deadlines that we imposed upon them, and we thank them for their patience.

Robert D. Leonard
George T. Jones