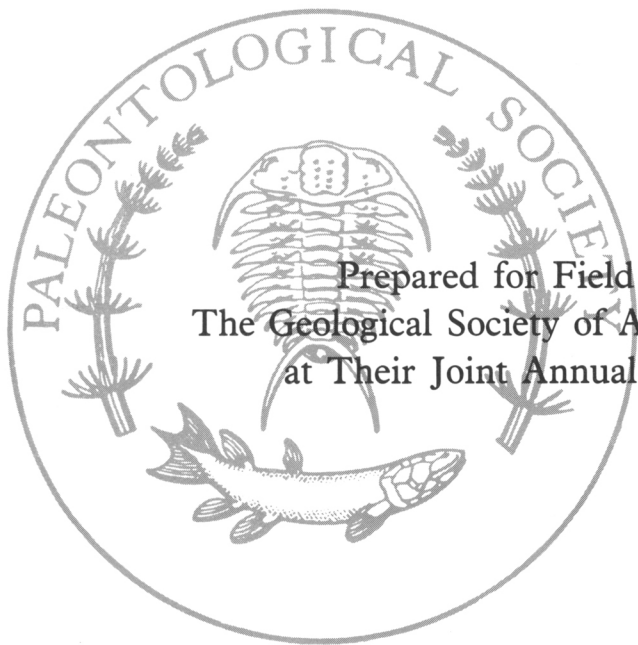


PALEOECOLOGY AND TAPHONOMY OF RECENT TO PLEISTOCENE INTERTIDAL DEPOSITS GULF OF CALIFORNIA

Edited by

Karl W. Flessa



Prepared for Field Trip Number 5 Sponsored by
The Geological Society of America and The Paleontological Society
at Their Joint Annual Meeting, Phoenix, Arizona, 1987



Field Trip Leaders: Karl W. Flessa and A. A. Ekdale

THE PALEONTOLOGICAL SOCIETY
SPECIAL PUBLICATION NO. 2

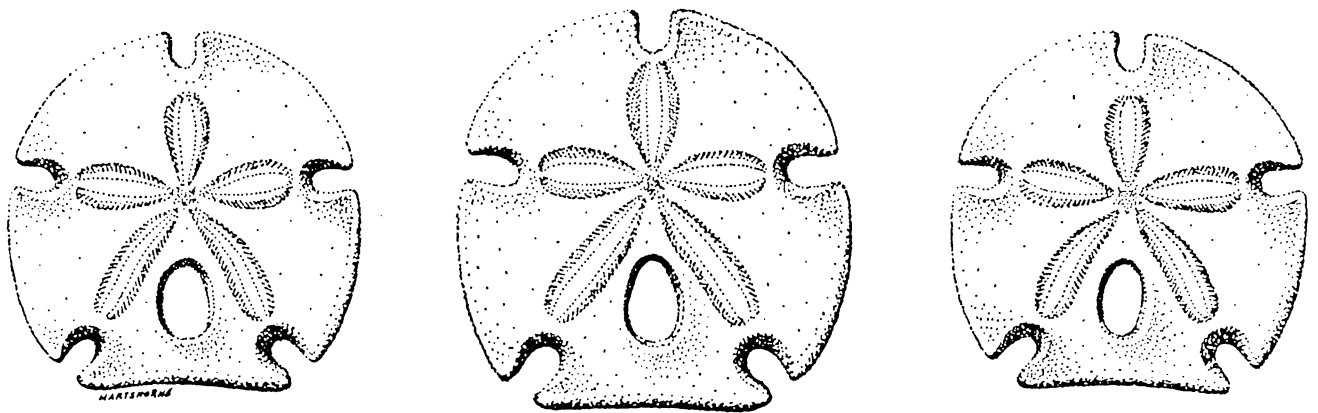
1987

Kenneth R. Walker

Series Editor

PALEOECOLOGY AND TAPHONOMY
OF RECENT TO PLEISTOCENE
INTERTIDAL DEPOSITS
GULF OF CALIFORNIA

Edited by
Karl W. Flessa



Prepared for Field Trip Number 5 Sponsored by
The Geological Society of America and The Paleontological Society
at Their Joint Annual Meeting, Phoenix, Arizona, 1987

Field Trip Leaders: Karl W. Flessa and A. A. Ekdale

THE PALEONTOLOGICAL SOCIETY

SPECIAL PUBLICATION No. 2

1987

Kenneth R. Walker

Series Editor

CONTENTS

Preface.....	i
Introduction.....	1
Paleoecology and Taphonomy of Recent to Pleistocene Intertidal Deposits, Gulf of California.....	2
by Karl W. Flessa and A.A. Ekdale	
Late Cenozoic Rocks in the Puerto Peñasco Area.....	34
by A.A. Ekdale	
Grain Size and Provenance of Bahía la Choya Sediments.....	44
by Lawrence T. Sumpter	
Surficial Physical Sedimentary Structures of Bahía la Choya...	52
by Michael J. Hayes	
Keys to the Shells of Bahía la Choya, Sonora, Mexico.....	62
by Nancy Beckvar, Richard D. Norris and Sherman Suter	
Illustrations by Richard D. Norris	
Color Pattern Variation in Populations of <u>Theodoxus</u> <u>luteofasciatus</u> in the Puerto Peñasco area.....	104
by Dawn Hendry and A. A. Ekdale	
Intertidal Bioerosion by Macroinvertebrates near Puerto Peñasco Northern Gulf of California.....	113
by R.F. Stearley	
Variation in Shell Repair in <u>Cerithium stercusmuscarum</u> (Mollusca; Gastropoda), Bahía la Choya, Sonora, Mexico.....	128
by Nancy Schmidt	
Population Structure of Live and Dead Gastropods from Bahía la Choya.....	139
by Patricia M. Hartshorne, William B. Gillespie and Karl W. Flessa	
Experiments on the Settling of Gastropod and Bivalve Shells: Biostratigraphic Implications.....	150
by Mary Anne McKittrick	
Surface Textures of Shells as Taphonomic Indicators.....	164
by Alan H. Cutler	
Biogenic and Physical Modes of Stratification and Shell Bed Formation in the Recent Intertidal Environments of Bahía la Choya.....	177
by Keith H. Meldahl	
Origin of Shell Beds and Evolution of a Shelly Sand Spit, Bahía la Choya, Northern Gulf of California.....	189
by Keith H. Meldahl	
Taphonomy of Tidal Flat Molluscs in the Northern Gulf of California: Paleoenvironmental Analysis despite the Perils of Preservation.....	200
by Franz T. Fürsich and Karl W. Flessa	

