
Table of Contents

In Memoriam	v
Foreword	ix
Preface	xi
The Editors	xiii
Acknowledgments	xv
Contributors	xvii
Dedication	xxiii
Introduction: Perceptions and Status of Forensic Entomology	1
ROBERT D. HALL AND TIMOTHY E. HUNTINGTON	
1 General Entomology and Insect Biology	17
JAMES L. CASTNER	
2 Insects of Forensic Importance	39
JASON H. BYRD AND JAMES L. CASTNER	
3 Collection of Entomological Evidence during Legal Investigations	127
JASON H. BYRD, WAYNE D. LORD, JOHN R. WALLACE, AND JEFFERY K. TOMBERLIN, AND NEAL H. HASKELL	
4 Laboratory Rearing of Forensic Insects	177
JASON H. BYRD AND JEFFERY K. TOMBERLIN	
5 Factors That Influence Insect Succession on Carrion	201
GAIL S. ANDERSON	
6 Insect Succession in a Natural Environment	251
K. LANE TABOR KREITLOW	
7 The Role of Aquatic Insects in Forensic Investigations	271
RICHARD W. MERRITT AND JOHN R. WALLACE	

8	Recovery of Anthropological, Botanical, and Entomological Evidence from Buried Bodies and Surface Scatter	321
	HEATHER A. WALSH-HANEY, ALISON GALLOWAY, AND JASON H. BYRD	
9	Estimating the Postmortem Interval	367
	JEFFREY D. WELLS AND LYNN R. LAMOTTE	
10	Insect Development and Forensic Entomology	389
	LEON G. HIGLEY AND NEAL H. HASKELL	
11	The Soil Environment and Forensic Entomology	407
	SHARI L. FORBES AND IAN DADOUR	
12	Entomotoxicology: Insects as Toxicological Indicators and the Impact of Drugs and Toxins on Insect Development	427
	M. L. GOFF AND WAYNE D. LORD	
13	Molecular Methods for Forensic Entomology	437
	JEFFREY D. WELLS AND JAMIE R. STEVENS	
14	The Forensic Entomologist as Expert Witness	453
	ROBERT D. HALL	
15	Livestock Entomology	477
	JEFFERY K. TOMBERLIN AND JUSTIN TALLEY	
16	Ecological Theory and Its Application in Forensic Entomology	493
	SHERAH L. VANLAERHOVEN	
17	Forensic Meteorology: The Application of Weather and Climate	519
	JOHN R. SCALA AND JOHN R. WALLACE	
18	Entomological Alteration of Bloodstain Evidence	539
	M. ANDERSON PARKER, MARK BENECKE, JASON H. BYRD, ROGER HAWKES, AND ROSEMARY BROWN	

19	Keys to the Blow Fly Species (Diptera Calliphoridae) of America, North of Mexico	581
	TERRY WHITWORTH	
20	Cases of Neglect Involving Entomological Evidence	627
	MARK BENECKE	
21	Acarology in Criminolegal Investigations: The Human Acarofauna during Life and Death	637
	M. ALEJANDRA PEROTTI AND HENK R. BRAIG	
Index		651