

Paleoecology Concepts Application

RECOGNIZING THE HABIT WAYS TO ACQUIRE THIS BOOK **PALEOECOLOGY CONCEPTS APPLICATION** IS ADDITIONALLY USEFUL. YOU HAVE REMAINED IN RIGHT SITE TO START GETTING THIS INFO. GET THE PALEOECOLOGY CONCEPTS APPLICATION CONNECT THAT WE COME UP WITH THE MONEY FOR HERE AND CHECK OUT THE LINK.

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CARBONATE SYSTEMS DURING THE OLIGOCENE-MIOCENE CLIMATIC TRANSITION - MARIA MUTTI 2011-09-14

THE OLIGOCENE AND MIOCENE EPOCHS COMPRISE THE MOST IMPORTANT PHASES IN THE CENOZOIC GLOBAL COOLING THAT LED FROM A GREENHOUSE TO AN ICEHOUSE EARTH. RECENT MAJOR ADVANCES IN THE UNDERSTANDING AND TIME-RESOLUTION OF CLIMATE EVENTS TAKING PLACE AT THIS TIME, AS WELL AS THE PROLIFERATION OF STUDIES ON OLIGOCENE AND MIOCENE SHALLOW-WATER/NERITIC CARBONATE SYSTEMS, INVITE US TO RE-EVALUATE THE SIGNIFICANCE OF THESE CARBONATE SYSTEMS IN THE CONTEXT OF CHANGES IN CLIMATE AND EARTH SURFACE PROCESSES. CARBONATE SYSTEMS, BECAUSE OF A WIDE DEPENDENCE ON THE ECOLOGICAL REQUIREMENTS OF ORGANISMS PRODUCING THE SEDIMENT, ARE SENSITIVE RECORDERS OF CHANGES IN ENVIRONMENTAL CONDITIONS ON THE EARTH SURFACE. THE PAPERS INCLUDED IN THIS SPECIAL PUBLICATION ADDRESS THE DYNAMIC EVOLUTION OF CARBONATE SYSTEMS DEPOSITED DURING THE OLIGOCENE AND MIOCENE IN THE CONTEXT ON CLIMATIC AND EARTH SURFACES PROCESSES FOCUSING ON CLIMATIC TRENDS AND CONTROLS OVER DEPOSITION; TEMPORAL CHANGES IN CARBONATE PRODUCERS AND PALAEOECOLOGY; CARBONATE TERMINOLOGY; FACIES; PROCESSES AND ENVIRONMENTAL PARAMETERS (INCLUDING WATER TEMPERATURE AND PRODUCTION DEPTH PROFILES); CARBONATE PRODUCERS AND THEIR SPATIAL AND TEMPORAL VARIABILITY; AND TECTONIC CONTROLS OVER ARCHITECTURE. THIS BOOK IS PART OF THE INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS (IAS) SPECIAL PUBLICATIONS. THE SPECIAL PUBLICATIONS FROM THE IAS ARE A SET OF THEMATIC VOLUMES EDITED BY SPECIALISTS ON SUBJECTS OF CENTRAL INTEREST TO SEDIMENTOLOGISTS. PAPERS ARE REVIEWED AND PRINTED TO THE SAME HIGH STANDARDS AS THOSE PUBLISHED IN THE JOURNAL SEDIMENTOLOGY AND SEVERAL OF THESE VOLUMES HAVE BECOME STANDARD WORKS OF REFERENCE.

PRINCIPLES OF SEDIMENTARY BASIN ANALYSIS - ANDREW MIALL 2013-04-17

THIS BOOK IS INTENDED AS A PRACTICAL HANDBOOK FOR THOSE ENGAGED IN THE TASK OF ANALYZING THE PALEO GEOGRAPHIC EVOLUTION OF ANCIENT SEDIMENTARY BASINS. THE

SCIENCE OF STRATIGRAPHY AND SEDIMENTOLOGY IS CENTRAL TO SUCH ENDEAVORS, BUT ALTHOUGH SEVERAL EXCELLENT TEXTBOOKS ON SEDIMENTOLOGY HAVE APPEARED IN RECENT YEARS LITTLE HAS BEEN WRITTEN ABOUT MODERN STRATIGRAPHIC METHODS. SEDIMENTOLOGY TEXTBOOKS TEND TO TAKE A THEORETICAL APPROACH, BUILDING FROM PHYSICAL AND CHEMICAL THEORY AND STUDIES OF MODERN ENVIRONMENTS. IT IS COMMONLY DIFFICULT TO APPLY THIS INFORMATION TO PRACTICAL PROBLEMS IN ANCIENT ROCKS, AND VERY LITTLE GUIDANCE IS GIVEN ON METHODS OF OBSERVATION, MAPPING AND INTERPRETATION. IN THIS BOOK THEORY IS DOWNPLAYED AND THE EMPHASIS IS ON WHAT A GEOLOGIST CAN ACTUALLY SEE IN OUTCROPS, WELL RECORDS, AND CORES, AND WHAT CAN BE OBTAINED USING GEOPHYSICAL TECHNIQUES. A NEW APPROACH IS TAKEN TO STRATIGRAPHY, WHICH ATTEMPTS TO EXPLAIN THE GENESIS OF LITHOSTRATIGRAPHIC UNITS AND TO DE-EMPHASIZE THE IMPORTANCE OF FORMAL DESCRIPTION AND NAMING. THERE ARE ALSO SECTIONS EXPLAINING PRINCIPLES OF FACIES ANALYSIS, BASIN MAPPING METHODS, DEPOSITIONAL SYSTEMS, AND THE STUDY OF BASIN THERMAL HISTORY, SO IMPORTANT TO THE GENESIS OF FUELS AND MINERALS. LASTLY, AN ATTEMPT IS MADE TO TIE EVERYTHING TOGETHER BY CONSIDERING BASINS IN THE CONTEXT OF PLATE TECTONICS AND EUSTATIC SEA LEVEL CHANGES.

MICROFACIES OF CARBONATE ROCKS - ERIK FLØGEL 2013-11-11

THIS UNPARALLELED REFERENCE SYNTHESIZES THE METHODS USED IN MICROFACIES ANALYSIS AND DETAILS THE POTENTIAL OF MICROFACIES IN EVALUATING DEPOSITIONAL ENVIRONMENTS AND DIAGENETIC HISTORY, AND, IN PARTICULAR, THE APPLICATION OF MICROFACIES DATA IN THE STUDY OF CARBONATE HYDROCARBON RESERVOIRS AND THE PROVENANCE OF ARCHAEOLOGICAL MATERIALS. NEARLY 230 INSTRUCTIVE PLATES (30 IN COLOR) SHOWING THIN-SECTION PHOTOGRAPHS WITH DETAILED EXPLANATIONS FORM A CENTRAL PART OF THE CONTENT. HELPFUL TEACHING-LEARNING AIDS INCLUDE DETAILED CAPTIONS FOR HUNDREDS OF MICROPHOTOGRAPHS, BOXED SUMMARIES OF TECHNICAL TERMS, MANY CASE STUDIES, GUIDELINES FOR THE DETERMINATION AND EVALUATION OF MICROFACIES CRITERIA, FOR

ENCLOSED CD WITH 14000 REFERENCES, SELF-TESTING EXERCISES FOR RECOGNITION AND CHARACTERIZATION SKILLS, AND MORE

PALAEOECOLOGY - DR P J BRENCHLEY 1998-12-18

THE FIRST PALAEOECOLOGY BOOK TO FOCUS ON EVOLUTIONARY PALAEOECOLOGY, IN BOTH MARINE AND TERRESTRIAL ENVIRONMENTS. DISCUSSES RECONSTRUCTION OF THE PAST ECOLOGICAL WORLD AT POPULATION, COMMUNITY AND BIOGEOGRAPHIC LEVELS. A WELL-ILLUSTRATED AND SUBSTANTIAL VOLUME GIVING ACCESSIBLE COVERAGE OF THE FULL RANGE OF SUBJECTS WITHIN PALAEOECOLOGY. REVIEWS AND SUMMARISES ALL THE MAJOR MASS EXTINCTIONS.

ONE LONG EXPERIMENT - RONALD E. MARTIN 1998

FEW ASPECTS OF AMERICAN MILITARY HISTORY HAVE BEEN AS VIGOROUSLY DEBATED AS HARRY TRUMAN'S DECISION TO USE ATOMIC BOMBS AGAINST JAPAN. IN THIS CAREFULLY CRAFTED VOLUME, MICHAEL KORT DESCRIBES THE WARTIME CIRCUMSTANCES AND THINKING THAT FORM THE CONTEXT FOR THE DECISION TO USE THESE WEAPONS, SURVEYS THE MAJOR DEBATES RELATED TO THAT DECISION, AND PROVIDES A COMPREHENSIVE COLLECTION OF KEY PRIMARY SOURCE DOCUMENTS THAT ILLUMINATE THE BEHAVIOR OF THE UNITED STATES AND JAPAN DURING THE CLOSING DAYS OF WORLD WAR II. KORT OPENS WITH A SUMMARY OF THE DEBATE OVER HIROSHIMA AS IT HAS EVOLVED SINCE 1945. HE THEN PROVIDES A HISTORICAL OVERVIEW OF THYE EVENTS IN QUESTION, BEGINNING WITH THE DECISION AND PROGRAM TO BUILD THE ATOMIC BOMB. DETAILING THE SEQUENCE OF EVENTS LEADING TO JAPAN'S SURRENDER, HE REVISITS THE DECISIVE BATTLES OF THE PACIFIC WAR AND THE MOTIVATIONS OF AMERICAN AND JAPANESE LEADERS. FINALLY, KORT EXAMINES TEN KEY ISSUES IN THE DISCUSSION OF HIROSHIMA AND GUIDES READERS TO RELEVANT PRIMARY SOURCE DOCUMENTS, SCHOLARLY BOOKS, AND ARTICLES.

PRINCIPLES OF SEDIMENTARY BASIN ANALYSIS - ANDREW D. MIALL 2013-03-09

REVIEW OF THE SECOND EDITION "FOR GEOLOGISTS AND GEOPHYSICISTS STUDYING SEDIMENTARY FILL OF BASINS, THIS VOLUME IS A VALUABLE ADDITION TO THEIR SHELVES. THE BOOK IS PACKED WITH INFORMATION INCLUDES NUMEROUS LISTS OF REFERENCES, AND IS UP-TO-DATE. AS A SOURCE VOLUME, THIS BOOK IS SECOND TO NONE. IT IS CLEAR AND WELL ORGANIZED." GEOPHYSICS

FIELD PALAEONTOLOGY - ROLAND GOLDRING 2018-10-08

"THIS IS THE MAJOR TEXT ON THE INTEGRATION OF FIELD PALAEONTOLOGY AND SEDIMENTOLOGY, PARTICULARLY VALUABLE FOR BOTH PRACTICAL LAB EXERCISES AND STUDENTS WORKING INDEPENDENTLY AND UNSUPERVISED ON FIELD PROJECTS" REVIEWER'S COMMENT FIELD PALAEONTOLOGY PROVIDES A COMPREHENSIVE, RIGOROUS AND UNIQUE APPROACH TO THE ANALYSIS OF FOSSILS AND SEDIMENTS AND OFFERS A PRACTICAL FIELD GUIDE WHICH NO PALAEONTOLOGY STUDENT CAN AFFORD TO BE WITHOUT. THE PAST DECADE HAS SEEN IMMENSE CHANGES IN PALAEONTOLOGY AND IN THE STUDY OF SEDIMENTARY ROCKS IN GENERAL. THIS EDITION HAS BEEN THOROUGHLY REVISED TO TAKE INTO ACCOUNT THESE ADVANCEMENTS IN THE SUBJECT TO PRODUCE A BOOK THAT IS UNIQUE IN ITS

COVERAGE OF PALAEONTOLOGY AND SEDIMENTOLOGY. IT AIMS TO PROVIDE A BASIS FOR EVALUATING THE INFORMATION POTENTIAL OF FOSSILIFEROUS SEDIMENTS, AND THEN TO GIVE AN OUTLINE OF THE STRATEGY AND TACTICS WHICH CAN BE ADOPTED IN THE FIELD. FIELD PALAEONTOLOGY IS WRITTEN FOR ADVANCED UNDERGRADUATE COURSES IN PALAEONTOLOGY, PALAEOECOLOGY, PALAEOBIOLOGY, SEDIMENTOLOGY AND BIOSTRATIGRAPHY WITHIN GEOSCIENCE AND GEOLOGY DEGREES. IT IS ALSO USEFUL READING FOR MASTERS EARTH SCIENCE STUDENTS AND FIRST YEAR POSTGRADUATES LOOKING FOR A GROUNDING IN THE BASICS OF THE SUBJECT.

INTRODUCTION TO PALEOECOLOGY - ROMAN FEDOROVICH GEKKER 1965

GEOLOGY BY DESIGN - CARL R. FROEDE 2007

FROM THE ACCLAIMED CREATION RESEARCH SOCIETY, THIS TECHNICAL STUDY OF ROCK STRATA, AND THE FOSSILS FOUND THEREIN, GIVES A SOLIDLY SCIENTIFIC RATIONALE FOR BELIEVING IN A YOUNG EARTH. THIS ADVANCED GUIDE IS IDEAL FOR UPPER-LEVEL HOMESCHOOL STUDENTS, COLLEGE STUDENTS, OR ANYONE WISHING TO EXPLORE THIS FASCINATING SUBJECT IN-DEPTH AND INCLUDES QUESTIONS FOR REVIEW AT THE END OF EACH CHAPTER. FROEDE PRESENTS A CREDIBLE GEOLOGICAL TIME-LINE AND EXPLAINS THE FORMATION AND EXISTENCE OF FOSSIL LAYERS IN ROCK SEDIMENTS AROUND THE WORLD.

METHODS IN PALEOECOLOGY - DARIN A. CROFT 2018-10-27

THIS VOLUME FOCUSES ON THE RECONSTRUCTION OF PAST ECOSYSTEMS AND PROVIDES A COMPREHENSIVE REVIEW OF CURRENT TECHNIQUES AND THEIR APPLICATION IN EXEMPLAR STUDIES. THE 18 CHAPTERS ADDRESS A WIDE VARIETY OF TOPICS THAT SPAN VERTEBRATE PALEOBIOLOGY AND PALEOECOLOGY (BODY MASS, POSTCRANIAL FUNCTIONAL MORPHOLOGY, EVOLUTIONARY DENTAL MORPHOLOGY, MICROWEAR AND MESOWEAR, ECOMORPHOLOGY, MAMMAL COMMUNITY STRUCTURE ANALYSIS), CONTEXTUAL PALEOENVIRONMENTAL STUDIES (PALEOSOLS AND SEDIMENTOLOGY, ICHNOFOSSILS, POLLEN, PHYTOLITHS, PLANT MACROFOSSILS), AND SPECIAL TECHNIQUES (BONE MICROSTRUCTURE, BIOMINERAL ISOTOPES, INORGANIC ISOTOPES, 3-D MORPHOMETRICS, AND ECOMETRIC MODELING). A FINAL CHAPTER DISCUSSES HOW TO INTEGRATE RESULTS OF THESE STUDIES WITH TAPHONOMIC DATA IN ORDER TO MORE ACCURATELY CHARACTERIZE AN ANCIENT ECOSYSTEM. CURRENT INVESTIGATORS, ADVANCED UNDERGRADUATES, AND GRADUATE STUDENTS INTERESTED IN THE FIELD OF PALEOECOLOGY WILL FIND THIS BOOK IMMENSELY USEFUL. THE LENGTH AND STRUCTURE OF THE VOLUME ALSO MAKES IT SUITABLE FOR TEACHING A COLLEGE-LEVEL COURSE ON RECONSTRUCTING CENOZOIC ECOSYSTEMS.

PALEOECOLOGY - DAVID J. BOTTJER 2016-02-10

PALEOECOLOGY IS A DISCIPLINE THAT USES EVIDENCE FROM FOSSILS TO PROVIDE AN UNDERSTANDING OF ANCIENT ENVIRONMENTS AND THE ECOLOGICAL HISTORY OF LIFE THROUGH GEOLOGICAL TIME. THIS TEXT COVERS THE FUNDAMENTAL APPROACHES THAT HAVE PROVIDED THE FOUNDATION FOR PRESENT PALEOECOLOGICAL UNDERSTANDING, AND OUTLINES NEW RESEARCH AREAS IN PALEOECOLOGY FOR MANAGING FUTURE ENVIRONMENTAL AND

ECOLOGICAL CHANGE. TOPICS INCLUDE THE USE OF ACTUALISM IN PALEOECOLOGY, DEVELOPMENT OF PALEOECOLOGICAL MODELS FOR PALEOENVIRONMENTAL RECONSTRUCTION, TAPHONOMY AND EXCEPTIONAL FOSSIL PRESERVATION, EVOLUTIONARY PALEOECOLOGY AND ECOLOGICAL CHANGE THROUGH TIME, AND CONSERVATION PALEOECOLOGY. DATA FROM STUDIES OF INVERTEBRATES, VERTEBRATES, PLANTS AND MICROFOSSILS, WITH ADDED EMPHASIS ON BIOTURBATION AND MICROBIAL SEDIMENTARY STRUCTURES, ARE DISCUSSED. EXAMPLES FROM MARINE AND TERRESTRIAL ENVIRONMENTS ARE COVERED, WITH A PARTICULAR FOCUS ON PERIODS OF GREAT ECOLOGICAL CHANGE, SUCH AS THE PRECAMBRIAN-CAMBRIAN TRANSITION AND INTERVALS OF MASS EXTINCTION. READERSHIP: THIS BOOK IS DESIGNED FOR ADVANCED UNDERGRADUATES AND BEGINNING GRADUATE STUDENTS IN THE EARTH AND BIOLOGICAL SCIENCES, AS WELL AS RESEARCHERS AND APPLIED SCIENTISTS IN A RANGE OF RELATED DISCIPLINES.

PALEOECOLOGY - DODD ROBERT J. 2012

ACTUALISTIC TAPHONOMY IN SOUTH AMERICA - SERGIO MARTINEZ 2019-07-06
HIGHLIGHTING THE LATEST RESEARCH ON ACTUALISTIC TAPHONOMY (AT), THIS BOOK PRESENTS THE OUTCOMES OF A MEETING THAT TOOK PLACE IN MONTEVIDEO, URUGUAY, IN OCTOBER 2017. ITS RESPECTIVE CHAPTERS OFFER VALUABLE INSIGHTS INTO SOUTH AMERICAN ARCHAEOLOGY, INVERTEBRATE AND VERTEBRATE FAUNA, AND FLORA. IN RECENT YEARS, THERE HAS BEEN A SURGE OF NEW RESEARCH ON AT, AS EVIDENCED BY NUMEROUS PAPERS, TALKS, THESES, ETC. HOWEVER, THERE ARE STILL VERY FEW AT BOOKS OR EVEN DEDICATED JOURNAL ARTICLES. REFLECTING THE DISCIPLINE'S NEWFOUND MATURITY, THIS BOOK, WRITTEN BY SOUTH AMERICAN AUTHORS, OFFERS A UNIQUE RESOURCE FOR ACADEMICS AND STUDENTS OF PALEONTOLOGY, GEOLOGY, AND BIOLOGY AROUND THE WORLD.

PALEOECOLOGY OF BERINGIA - DAVID M. HOPKINS 2013-09-17

PALEOECOLOGY OF BERINGIA IS THE PRODUCT OF A SYMPOSIUM ORGANIZED BY ITS EDITORS, SPONSORED BY THE WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH, AND HELD AT THE FOUNDATION'S CONFERENCE CENTER IN BURG WARTENSTEIN, AUSTRIA, 8-17 JUNE 1979. THE FOCUS OF THIS VOLUME IS ON THE PARADOX CENTRAL TO ALL STUDIES OF THE UNGLACIATED ARCTIC DURING THE LAST ICE AGE: THAT VERTEBRATE FOSSILS INDICATE THAT FROM 45,000 TO 11,000 YEARS BP AN ENVIRONMENT CONSIDERABLY MORE DIVERSE AND PRODUCTIVE THAN THE PRESENT ONE EXISTED, WHEREAS THE BOTANICAL RECORD, WHERE IT IS NOT SILENT, SUPPORTS A FAR MORE CONSERVATIVE APPRAISAL OF THE REGION'S ABILITY TO SUSTAIN ANY BUT THE SPARSEST FORMS OF PLANT AND ANIMAL LIFE. THE VOLUME IS ORGANIZED INTO SEVEN PARTS. PART 1 FOCUSES ON THE PALEO GEOGRAPHY OF THE BERINGIA. THE STUDIES IN PART 2 EXPLORE THE ANCIENT VEGETATION. PART 3 DEALS WITH THE STEPPE-TUNDRA CONCEPT AND ITS APPLICATION IN BERINGIA. PART 4 EXAMINES THE PALEOCLIMATE WHILE PART 5 IS DEVOTED TO THE BIOLOGY OF SURVIVING RELATIVES OF THE PLEISTOCENE UNGULATES. PART 6 TAKES UP THE PRESENCE OF MAN IN ANCIENT

BERINGIA. PART 7 ASSESSES THE PALEOECOLOGY OF BERINGIA DURING THE LAST 40,000 YEARS

THE BIBLE, ROCKS AND TIME - DAVIS A. YOUNG 2008-08-18

DAVIS A. YOUNG AND RALPH STEARLEY SEEK TO CONVINCING READERS OF THE VAST ANTIQUITY OF THE EARTH. THEY POINT OUT THE FLAWS OF YOUNG-EARTH CREATIONISM AND COUNTER THE IMPRESSION BY MANY SCIENTISTS THAT ALL CHRISTIANS ARE YOUNG-EARTH CREATIONISTS.

PATTERNS AND PROCESSES IN THE HISTORY OF LIFE - D.M. RAUP 2012-12-06

HYPOTHESIS TESTING IS NOT A STRAIGHTFORWARD MATTER IN THE FOSSIL RECORD AND HERE, TOO INTERACTIONS WITH BIOLOGY CAN BE EXTREMELY PROFITABLE. QUITE SIMPLY, PREDICTIONS REGARDING LONG-TERM CONSEQUENCES OF PROCESSES OBSERVED IN LIVING ORGANISMS CAN BE TESTED DIRECTLY USING PALEONTOLOGICAL DATA IF THOSE LIVING ORGANISMS HAVE AN ADEQUATE FOSSIL RECORD, THUS AVOIDING THE PITFALLS OF EXTRAPOLATIVE APPROACHES. WE HOPE TO SEE A BURGEONING OF THIS INTERACTIVE EFFORT IN THE COMING YEARS. FRAMING AND TESTING OF HYPOTHESES IN PALEONTOLOGICAL SUBJECTS INEVITABLY RAISES THE PROBLEM OF INFERRING PROCESS FROM PATTERN, AND THE CONSIDERATION AND ELIMINATION OF A BROAD RANGE OF RIVAL HYPOTHESES IS AN ESSENTIAL PROCEDURE HERE. IN A HISTORICAL SCIENCE SUCH AS HYPOTHESES PALEONTOLOGY, THE PROBLEM OFTEN ARISES THAT THE EVENTS THAT ARE OF MOST INTEREST ARE UNIQUE IN THE HISTORY OF LIFE. FOR EXAMPLE, REPLICATION OF THE METAZOAN RADIATION AT THE BEGINNING OF THE CAMBRIAN IS NOT FEASIBLE. HOWEVER, DECOMPOSITION OF SUCH PROBLEMS INTO COMPONENT HYPOTHESES MAY AT LEAST IN PART ALLEVIATE THIS DIFFICULTY. FOR EXAMPLE, HYPOTHESES BUILT UPON THE ROLE OF SPECIES PACKING MIGHT BE TESTED BY COMPARING EVOLUTIONARY DYNAMICS (BOTH MORPHOLOGICAL AND TAXONOMIC) DURING ANOTHER GLOBAL DIVERSIFICATION, SUCH AS THE BIOTIC REBOUND FROM THE END-PERMIAN EXTINCTION, WHICH REMOVED PERHAPS 95% OF THE MARINE SPECIES (SEE VALENTINE, THIS VOLUME). THE SUBJECT OF EXTINCTION, AND MASS EXTINCTION IN PARTICULAR, HAS BECOME IMPORTANT IN BOTH PALEOBIOLOGY AND BIOLOGY.

PALEOECOLOGY - J. ROBERT DODD 1991-01-16

REVISED AND UPDATED, IT REFLECTS THE RECENT DEVELOPMENTS AND CHANGING EMPHASIS IN THE FIELD OF PALEOECOLOGY. WHILE THE BASIC ORGANIZATION REMAINS THE SAME AS THE ORIGINAL EDITION, THERE ARE SEVERAL MAJOR CHANGES, INCLUDING AN EXTENSIVE REORGANIZATION AND SHORTENING OF CHAPTER 2, FOCUSING NOW ON ENVIRONMENTAL PARAMETERS RATHER THAN INDIVIDUAL TAXONOMIC GROUPS; GREATER USE OF TABLES WITH REFERENCES TO PERTINENT LITERATURE; INCLUSION OF A NEW CHAPTER ON TAPHONOMY; ELIMINATION OF THE CHAPTER ON SKELETONS AS SEDIMENTARY PARTICLES; REMOVAL OF MANY OF THE RECURRING EXAMPLES FROM THE NEOGENE OF THE KETTLEMEN HILLS; AND INCLUSION OF NEW REFERENCES ON ALL TOPICS. OLDER REFERENCES HAVE BEEN KEPT AND WILL SERVE TO BLEND THE HISTORICAL AND IMPORTANT MILESTONES IN THE DEVELOPMENT OF PALEOECOLOGY WITH THE MOST CURRENT RESEARCH.

EVOLUTION OF THE CRETACEOUS OCEAN-CLIMATE SYSTEM - ENRIQUETA BARRERA
1999-01-01

PALEOZOLOGY AND PALEOENVIRONMENTS - J. TYLER FAITH 2019-02-21

OUTLINES THE ECOLOGICAL FUNDAMENTALS, ASSUMPTIONS, AND TECHNIQUES FOR RECONSTRUCTING PAST ENVIRONMENTS USING FOSSIL ANIMALS FROM ARCHAEOLOGICAL AND PALEONTOLOGICAL SITES.

PHANEROZOIC DIVERSITY PATTERNS - J. VALENTINE 2014-07-14

HERE TWENTY-ONE LEADING PALEONTOLOGISTS USE IMPORTANT REFINEMENTS IN FOSSIL DIVERSITY DATA TO PROVIDE CRITICAL EVALUATIONS OF OLDER HYPOTHESES OF DIVERSIFICATION AND EXTINCTION PROCESSES AND TO PROPOSE FRESH INTERPRETATIONS. ORIGINALLY PUBLISHED IN 1986. THE PRINCETON LEGACY LIBRARY USES THE LATEST PRINT-ON-DEMAND TECHNOLOGY TO AGAIN MAKE AVAILABLE PREVIOUSLY OUT-OF-PRINT BOOKS FROM THE DISTINGUISHED BACKLIST OF PRINCETON UNIVERSITY PRESS. THESE EDITIONS PRESERVE THE ORIGINAL TEXTS OF THESE IMPORTANT BOOKS WHILE PRESENTING THEM IN DURABLE PAPERBACK AND HARDCOVER EDITIONS. THE GOAL OF THE PRINCETON LEGACY LIBRARY IS TO VASTLY INCREASE ACCESS TO THE RICH SCHOLARLY HERITAGE FOUND IN THE THOUSANDS OF BOOKS PUBLISHED BY PRINCETON UNIVERSITY PRESS SINCE ITS FOUNDING IN 1905.

ENCYCLOPEDIA OF ECOLOGY - 2014-11-03

THE GROUNDBREAKING ENCYCLOPEDIA OF ECOLOGY PROVIDES AN AUTHORITATIVE AND COMPREHENSIVE COVERAGE OF THE COMPLETE FIELD OF ECOLOGY, FROM GENERAL TO APPLIED. IT INCLUDES OVER 500 DETAILED ENTRIES, STRUCTURED TO PROVIDE THE USER WITH COMPLETE COVERAGE OF THE CORE KNOWLEDGE, ACCESSED AS INTUITIVELY AS POSSIBLE, AND HEAVILY CROSS-REFERENCED. WRITTEN BY AN INTERNATIONAL TEAM OF LEADING EXPERTS, THIS REVOLUTIONARY ENCYCLOPEDIA WILL SERVE AS A ONE-STOP-SHOP TO CONCISE, STAND-ALONE ARTICLES TO BE USED AS A POINT OF ENTRY FOR UNDERGRADUATE STUDENTS, OR AS A TOOL FOR ACTIVE RESEARCHERS LOOKING FOR THE LATEST INFORMATION IN THE FIELD. ENTRIES COVER A RANGE OF TOPICS, INCLUDING: BEHAVIORAL ECOLOGY ECOLOGICAL PROCESSES ECOLOGICAL MODELING ECOLOGICAL ENGINEERING ECOLOGICAL INDICATORS ECOLOGICAL INFORMATICS ECOSYSTEMS ECOTOXICOLOGY EVOLUTIONARY ECOLOGY GENERAL ECOLOGY GLOBAL ECOLOGY HUMAN ECOLOGY SYSTEM ECOLOGY THE FIRST REFERENCE WORK TO COVER ALL ASPECTS OF ECOLOGY, FROM BASIC TO APPLIED OVER 500 CONCISE, STAND-ALONE ARTICLES ARE WRITTEN BY PROMINENT LEADERS IN THE FIELD ARTICLE TEXT IS SUPPORTED BY FULL-COLOR PHOTOS, DRAWINGS, TABLES, AND OTHER VISUAL MATERIAL FULLY INDEXED AND CROSS REFERENCED WITH DETAILED REFERENCES FOR FURTHER STUDY WRITING LEVEL IS SUITED TO BOTH THE EXPERT AND NON-EXPERT AVAILABLE ELECTRONICALLY ON SCIENCE DIRECT SHORTLY UPON PUBLICATION

VEGETATION HISTORY - B. HUNTLEY 2012-12-06

THE ANALYSIS OF VEGETATION HISTORY IS ONE OF THE PRIME OBJECTIVES FOR VEGETATION

SCIENTISTS. IN ORDER TO UNDERSTAND THE RECENT COMPOSITION OF LOCAL FLORAS AND PLANT COMMUNITIES A SECOND KNOWLEDGE OF SPECIES COM POSITION DURING RECENT MILLENNIA IS ESSENTIAL. WITH THE PRESENT CONCERN OVER CLIMATE CHANGES, DUE TO HUMAN ACTIVITIES, AN UNDERSTANDING OF PAST VEGETATION DISTRIBUTION BECOMES EVEN MORE IMPORTANT, SINCE THE CORRELATION BETWEEN CLIMATE AND VEGETATION CAN OFTEN BE USED TO PREDICT POSSIBLE IMPACTS TO CROPS AND FORESTS. I WAS VERY FORTUNATE TO RECEIVE THE HELP OF DRs. WEBB AND HUNTLEY TO COMPILE THIS VOLUME ON VEGETATION HISTORY. THEY HAVE COLLATED AN IMPRES SIVE SET OF PAPERS WHICH TOGETHER GIVE AN ACCOUNT OF THE VEGETATION HISTORY OF MOST OF THE CONTINENTS DURING THE LATE- TERTIARY AND QUATERNARY PERIODS. THERE ARE, HOWEVER, GAPS IN THE COVERAGE ACHIEVED, MOST NOTABLY AFRICA, AND ASIA APART FROM JAPAN. THE INFORMATION IN THIS BOOK WILL NONETHELESS CERTAINLY BE USED WIDELY BY VEGETATION SCIENTISTS FOR THE REGIONS COVERED IN THE BOOK AND MUCH OF IT HAS RELEVANCE TO THE AREAS NOT EXPLICITLY DESCRIBED. THE AUTHORS OF THE INDIVIDUAL CHAPTERS HAVE DONE THEIR BEST TO COVER RECENT TOPICS OF INTEREST AS WELL AS ESTABLISHED FACTS. IT IS INTENDED THAT A SEPARATE VOLUME WILL BE PRODUCED IN THE NEAR FUTURE COVERING THE VEGETATION HISTORY OF AFRICA AND ASIA. I THANK THE EDITORS OF IT FITS WELL INTO THE THIS VOLUME FOR THEIR COMMENDABLE ACHIEVEMENT.

ISSUES AND CONCEPTS IN HISTORICAL ECOLOGY - CAROLE L. CRUMLEY 2018

THIS BOOK PRESENTS A PRACTICAL, HOLISTIC RESEARCH FRAMEWORK TO HELP US BOTH UNDERSTAND OUR PAST AND BUILD AN APPEALING HUMAN FUTURE.

FORAMINIFERA AND THEIR APPLICATIONS - ROBERT WYNN JONES 2014

A ONE-STOP PRACTICAL GUIDE TO FORAMINIFERA WITH NUMEROUS CASE STUDIES DEMONSTRATING THEIR APPLICATIONS, FOR GRADUATE STUDENTS, MICROPALAEONTOLOGISTS AND INDUSTRY PROFESSIONALS.

APPLIED PALAEONTOLOGY - ROBERT WYNN JONES 2006-05-04

THIS BOOK WAS FIRST PUBLISHED IN 2006. PALAEONTOLOGY HAS DEVELOPED FROM A DESCRIPTIVE SCIENCE TO AN ANALYTICAL SCIENCE USED TO INTERPRET RELATIONSHIPS BETWEEN EARTH AND LIFE HISTORY. APPLIED PALAEONTOLOGY ADOPTS A HOLISTIC, INTEGRATED APPROACH TO PALAEONTOLOGY, HIGHLIGHTING ITS KEY ROLE IN THE STUDY OF THE EVOLVING EARTH, LIFE HISTORY AND ENVIRONMENTAL PROCESSES. AFTER AN INTRODUCTION TO FOSSILS AND THEIR CLASSIFICATION, EACH OF THE PRINCIPAL FOSSIL GROUPS ARE STUDIED IN DETAIL, COVERING THEIR BIOLOGY, MORPHOLOGY, CLASSIFICATION, PALAEOBIOLOGY AND BIOSTRATIGRAPHY. THE LATTER SECTIONS FOCUS ON THE APPLICATIONS OF FOSSILS IN THE INTERPRETATION OF EARTH AND LIFE PROCESSES AND ENVIRONMENTS. IT CONCLUDES WITH CASE HISTORIES OF HOW OUR KNOWLEDGE OF FOSSILS IS APPLIED, IN INDUSTRY AND ELSEWHERE. THIS IS A VALUABLE REFERENCE FOR ANYONE INVOLVED IN THE APPLICATIONS OF PALAEONTOLOGY, INCLUDING EARTH, LIFE AND ENVIRONMENTAL SCIENTISTS, AND PETROLEUM, MINERALS, MINING AND ENGINEERING PROFESSIONALS.

VERTEBRATE TAPHONOMY - R. LEE LYMAN 1994-07-07

TAPHONOMY STUDIES THE TRANSITION OF ORGANIC MATTER FROM THE BIOSPHERE INTO THE GEOLOGICAL RECORD. IT IS PARTICULARLY RELEVANT TO ZOOARCHAEOLOGISTS AND PALEOBIOLOGISTS, WHO ANALYSE ORGANIC REMAINS IN THE ARCHAEOLOGICAL RECORD IN AN ATTEMPT TO RECONSTRUCT HOMINID SUBSISTENCE PATTERNS AND PALEOECOLOGICAL CONDITIONS. IN THIS USER-FRIENDLY, ENCYCLOPEDIA REFERENCE VOLUME FOR STUDENTS AND PROFESSIONALS, R. LEE LYMAN, A LEADING RESEARCHER IN TAPHONOMY, REVIEWS THE WIDE RANGE OF ANALYTICAL TECHNIQUES USED TO SOLVE PARTICULAR ZOOARCHAEOLOGICAL PROBLEMS, ILLUSTRATING THESE IN MOST CASES WITH APPROPRIATE EXAMPLES. HE ALSO COVERS THE HISTORY OF TAPHONOMIC RESEARCH AND ITS PHILOSOPHICAL UNDERPINNINGS. LOGICALLY ORGANISED AND CLEARLY WRITTEN, THE BOOK IS AN IMPORTANT UPDATE ON ALL PREVIOUS PUBLICATIONS ON ARCHAEOLOGICAL FAUNAL REMAINS.

BRINGING FOSSILS TO LIFE - DONALD R. PROTHERO 2013-11-05

ONE OF THE LEADING TEXTBOOKS IN ITS FIELD, BRINGING FOSSILS TO LIFE APPLIES PALEOBIOLOGICAL PRINCIPLES TO THE FOSSIL RECORD WHILE DETAILING THE EVOLUTIONARY HISTORY OF MAJOR PLANT AND ANIMAL PHyla. IT INCORPORATES CURRENT RESEARCH FROM BIOLOGY, ECOLOGY, AND POPULATION GENETICS, BRIDGING THE GAP BETWEEN PURELY THEORETICAL PALEOBIOLOGICAL TEXTBOOKS AND THOSE THAT DESCRIBE ONLY INVERTEBRATE PALEOBIOLOGY AND THAT EMPHASIZE CATALOGUING LIVE ORGANISMS INSTEAD OF DEAD OBJECTS. FOR THIS THIRD EDITION DONALD R. PROTHERO HAS REVISED THE ART AND RESEARCH THROUGHOUT, EXPANDING THE COVERAGE OF INVERTEBRATES AND ADDING A DISCUSSION OF NEW METHODOLOGIES AND A CHAPTER ON THE ORIGIN AND EARLY EVOLUTION OF LIFE.

SPRINGER HANDBOOK OF PETROLEUM TECHNOLOGY - CHANG SAMUEL HSU 2017-12-20

THIS HANDBOOK PROVIDES A COMPREHENSIVE BUT CONCISE REFERENCE RESOURCE FOR THE VAST FIELD OF PETROLEUM TECHNOLOGY. BUILT ON THE SUCCESSFUL BOOK "PRACTICAL ADVANCES IN PETROLEUM PROCESSING" PUBLISHED IN 2006, IT HAS BEEN EXTENSIVELY REVISED AND EXPANDED TO INCLUDE UPSTREAM TECHNOLOGIES. THE BOOK IS DIVIDED INTO FOUR PARTS: THE FIRST PART ON PETROLEUM CHARACTERIZATION OFFERS AN IN-DEPTH REVIEW OF THE CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES OF PETROLEUM, WHICH DETERMINE THE POSSIBLE USES AND THE QUALITY OF THE PRODUCTS. THE SECOND PART PROVIDES A BRIEF OVERVIEW OF PETROLEUM GEOLOGY AND UPSTREAM PRACTICES. THE THIRD PART EXHAUSTIVELY DISCUSSES ESTABLISHED AND EMERGING REFINING TECHNOLOGIES FROM A PRACTICAL PERSPECTIVE, WHILE THE FINAL PART DESCRIBES THE PRODUCTION OF VARIOUS REFINING PRODUCTS, INCLUDING FUELS AND LUBRICANTS, AS WELL AS PETROCHEMICALS, SUCH AS OLEFINS AND POLYMERS. IT ALSO COVERS PROCESS AUTOMATION AND REAL-TIME REFINERY-WIDE PROCESS OPTIMIZATION. TWO KEY CHAPTERS PROVIDE AN INTEGRATED VIEW OF PETROLEUM TECHNOLOGY, INCLUDING ENVIRONMENTAL AND SAFETY ISSUES. WRITTEN BY INTERNATIONAL EXPERTS FROM ACADEMIA, INDUSTRY AND RESEARCH INSTITUTIONS, INCLUDING INTEGRATED OIL COMPANIES, CATALYST SUPPLIERS, LICENSORS, AND

CONSULTANTS, IT IS AN INVALUABLE RESOURCE FOR RESEARCHERS AND GRADUATE STUDENTS AS WELL AS PRACTITIONERS AND PROFESSIONALS.

NEUES JAHRBUCH FÜR GEOLOGIE UND PALÄONTOLOGIE 2007

COMPUTER APPLICATIONS IN THE EARTH SCIENCES - DANIEL F. MERRIAM 2013-03-09

UNDERSTANDING FOSSILS - PETER DOYLE 2014-08-15

THE FIRST INTRODUCTORY PALAEOONTOLOGY TEXT WHICH DEMONSTRATES THE IMPORTANCE OF SELECTED FOSSIL GROUPS IN GEOLOGICAL AND BIOLOGICAL STUDIES, PARTICULARLY IN UNDERSTANDING EVOLUTIONARY PATTERNS, PALAEOENVIRONMENTAL ANALYSIS, AND STRATIGRAPHY. PART ONE EXPLORES SEVERAL KEY CONCEPTS, SUCH AS THE PROCESSES OF FOSSIL PRESERVATION, THE DETERMINATION OF EVOLUTIONARY PATTERNS, AND USE OF FOSSILS AND STATIGRAPHICAL TOOLS. PART TWO INTRODUCES THE MAIN FOSSIL GROUPS OF VALUE IN THESE APPLIED FIELDS. PART THREE CONCENTRATES ON THE EXAMINATION OF IMPORTANT CASE HISTORIES WHICH DEMONSTRATE THE USE OF FOSSILS IN DIVERSE PRACTICAL EXAMPLES. EVOLUTIONARY STUDIES, PALAEOENVIRONMENTAL ANALYSIS, AND STRATIGRAPHICAL APPLICATIONS ARE DOCUMENTED USING UP-TO-DATE EXAMPLES SUPPORTED BY OVERVIEWS OF THE PRINCIPLES.

PRACTICAL SEDIMENTOLOGY - D.W. LEWIS 2012-12-06

SEDIMENTOLOGY HAS NEITHER BEEN ADEQUATELY POPULARIZED NOR THIS BOOK BEGINS WITH A CONSIDERATION OF THE COMPLEX END COMMONLY TAUGHT AS AN INTERDISCIPLINARY SUBJECT, AND MANY PRODUCT OF PROCESSES AND MATERIALS, THE SEDIMENTARY ENVIRON WORKERS IN THE AREAS OF MODERN ENVIRONMENT STUDIES HAVE VERY MENT. IT THEN PROCEEDS TO DISCUSS THE PROCESSES AND MATERIALS LIMITED KNOWLEDGE OF SEDIMENTOLOGY. PRACTICAL SEDIMENTOL THEMSELVES. THE EMPHASIS IS ON GEOLOGICAL INTERPRETATIONS OF OGY (HENCEFORTH PS) IS DESIGNED TO PROVIDE AN INTRODUCTION AND ANCIENT DEPOSITS, BUT MOST DISCUSSIONS ARE ALSO RELEVANT TO REVIEW OF PRINCIPLES AND INTERPRETATIONS RELATED TO SEDIMENTARY MODERN SEDIMENTS AND CAN BE USED TO PREDICT ENVIRONMENTAL PROCESSES, ENVIRONMENTS, AND DEPOSITS. ITS COMPANION VOLUME, CHANGES. A BASIC KNOWLEDGE OF GEOLOGICAL JARGON IS ANTICI ANALYTICAL SEDIMENTOLOGY (HENCEFORTH AS), PROVIDES "COOK PATED FOR USERS OF THIS BOOK; WE TRY TO DEFINE MOST OF THE MORE BOOK RECIPES" FOR COMMON ANALYTICAL PROCEDURES DEALING WITH ESOTERIC TERMS IN CONTEXT, BUT IF THERE ARE ADDITIONAL INCOM SEDIMENTS, AND AN INTRODUCTION TO THE PRINCIPLES AND REFERENCE PREHENSIBLE TERMS, REFER TO BATES AND JACKSON'S GLOSSARY OF SOURCES FOR PROCEDURES THAT GENERALLY WOULD BE PERFORMED BY GEOLOGY (AGI, 1987). SPECIALIST CONSULTANTS OR COMMERCIAL LABORATORIES. SPECIALIST SEDIMENTOLOGISTS WILL FIND IN THEM USEFUL REVIEWS, WHEREAS SCI ACKNOWLEDGMENTS ENTISTS FROM OTHER DISCIPLINES WILL FIND IN THEM CONCEPTS AND PROCEDURES THAT MAY CONTRIBUTE TO AN EXPANDED KNOWLEDGE OF MANY CHAPTER DRAFTS OFPS WERE CRITICALLY REVIEWED BY DR. M.

HANDBOOK OF PALEOANTHROPOLOGY - WINFRIED HENKE 2007-05-10

THIS 3-VOLUME HANDBOOK BRINGS TOGETHER CONTRIBUTIONS BY THE WORLD'S LEADING SPECIALISTS THAT REFLECT THE BROAD SPECTRUM OF MODERN PALAEOANTHROPOLOGY, THUS PRESENTING AN INDISPENSABLE RESOURCE FOR PROFESSIONALS AND STUDENTS ALIKE. VOL. 1 REVIEWS PRINCIPLES, METHODS, AND APPROACHES, RECOUNTING RECENT ADVANCES AND STATE-OF-THE-ART KNOWLEDGE IN PHYLOGENETIC ANALYSIS, PALAEOECOLOGY AND EVOLUTIONARY THEORY AND PHILOSOPHY. VOL. 2 EXAMINES PRIMATE ORIGINS, EVOLUTION, BEHAVIOUR, AND ADAPTIVE VARIETY, EMPHASIZING INTEGRATION OF FOSSIL DATA WITH CONTEMPORARY KNOWLEDGE OF THE BEHAVIOUR AND ECOLOGY OF LIVING PRIMATES IN NATURAL ENVIRONMENTS. VOL. 3 DEALS WITH FOSSIL AND MOLECULAR EVIDENCE FOR THE EVOLUTION OF HOMO SAPIENS AND ITS FOSSIL RELATIVES.

SEQUENCE STRATIGRAPHY AND DEPOSITIONAL RESPONSE TO EUSTATIC, TECTONIC AND CLIMATIC FORCING - B.U. HAQ 2013-03-09

SEQUENCE STRATIGRAPHY HAS ADVANCED CONSIDERABLY SINCE THE EARLY APPLICATIONS OF THE CONCEPTS ON SEISMIC DATA. IT ATTEMPTS TO DISCERN THE MIGRATION OF FACIES RESULTING FROM CHANGES IN A COMBINATION OF FACTORS SUCH AS, SEA LEVEL, TECTONICS, CLIMATE AND SEDIMENT FLUX, AND INTEGRATES IT WITH A MEANINGFUL CHRONOSTRATIGRAPHY. THE STRATIGRAPHIC RECORD IS ENVISIONED AS A FRAMEWORK OF REPETITIVE PACKAGES OF GENETICALLY-RELATED STRATA, FORMED IN RESPONSE TO THE SHIFTING BASE LEVEL, IN WHICH THE LOCUS OF DEPOSITION OF VARIOUS SEDIMENT TYPES MAY BE ANTICIPATED. THIS ATTRIBUTE IS RAPIDLY PROMOTING SEQUENCE STRATIGRAPHY AS AN INDISPENSABLE TOOL FOR PREDICTION OF FACIES IN EXPLORATION AND PRODUCTION GEOLOGY. IN HYDROCARBON EXPLORATION THE APPLICATION OF SEQUENCE STRATIGRAPHY HAS RANGED FROM ANTICIPATING RESERVOIR- AND SOURCE-ROCK DISTRIBUTION TO PREDICTING CARBONATE DIAGENESIS, POROSITY AND PERMEABILITY. THE CAPABILITY TO ANTICIPATE VERTICAL AND LATERAL DISTRIBUTION OF FACIES AND RESERVOIR SANDS IN THE BASINAL, SHOREFACE, INCISED VALLEY-FILL AND REGRESSIVE SETTINGS ALONE HAS BEEN A GREAT ASSET FOR EXPLORATION. IN FRONTIER AREAS, WHERE DATA ARE OFTEN LIMITED TO SEISMIC LINES, SEQUENCE-STRATIGRAPHIC METHODOLOGY HAS HELPED DETERMINE THE TIMING AND OF TYPES OF UNCONFORMITIES AND ANTICIPATE TRANSGRESSIVE- AND REGRESSIVE-PRONE INTERVALS. IN PRODUCTION IT IS AIDING IN FIELD DEVELOPMENT BY PROVIDING IMPROVED SOURCE AND SEAL PREDICTIONS FOR SECONDARY OIL RECOVERY. A RECOGNITION OF STRATIGRAPHIC CAUSES OF POOR RECOVERY THROUGH IMPROVED UNDERSTANDING OF INTERNAL STRATAL ARCHITECTURE CAN LEAD TO NEW WELL RECOMPLETIONS AND ENHANCED EXPLOITATION IN EXISTING FIELDS. THE SEQUENCE-STRATIGRAPHIC DISCIPLINE IS IN A STATE OF RAPID EXPANSION.

NARRATOLOGY BEYOND THE HUMAN - DAVID HERMAN 2018

TO WHAT EXTENT, AND IN WHAT MANNER, DO STORYTELLING PRACTICES ACCOMMODATE NONHUMAN SUBJECTS AND THEIR MODALITIES OF EXPERIENCE, AND HOW CAN CONTEMPORARY NARRATIVE STUDY SHED LIGHT ON INTERSPECIES INTERACTIONS AND ENTANGLEMENTS? IN

NARRATOLOGY BEYOND THE HUMAN, DAVID HERMAN ADDRESSES THESE QUESTIONS THROUGH A CROSS-DISCIPLINARY APPROACH TO POST-DARWINIAN NARRATIVES CONCERNED WITH ANIMALS AND HUMAN-ANIMAL RELATIONSHIPS. HERMAN CONSIDERS THE ENABLING AND CONSTRAINING EFFECTS OF DIFFERENT NARRATIVE MEDIA, EXAMINING A RANGE OF FICTIONAL AND NONFICTIONAL TEXTS DISSEMINATED IN PRINT, COMICS AND GRAPHIC NOVELS, AND FILM. IN FOCUSING ON TECHNIQUES SUCH AS THE USE OF ANIMAL NARRATORS, ALTERNATION BETWEEN HUMAN AND NONHUMAN PERSPECTIVES, THE EMBEDDING OF STORIES WITHIN STORIES, AND OTHERS, THE BOOK EXPLORES HOW SPECIFIC STRATEGIES FOR PORTRAYING NONHUMAN AGENTS BOTH EMERGE FROM AND CONTRIBUTE TO BROADER ATTITUDES TOWARD ANIMAL LIFE. HERMAN ARGUES THAT EXISTING FRAMEWORKS FOR NARRATIVE INQUIRY MUST BE MODIFIED TO TAKE INTO ACCOUNT HOW STORIES ARE INTERWOVEN WITH CULTURAL ONTOLOGIES, OR UNDERSTANDINGS OF WHAT SORTS OF BEINGS POPULATE THE WORLD AND HOW THEY RELATE TO HUMANS. SHOWING HOW QUESTIONS OF NARRATIVE BEAR ON IDEAS OF SPECIES DIFFERENCE AND ASSUMPTIONS ABOUT ANIMAL MINDS, NARRATOLOGY BEYOND THE HUMAN UNDERSCORES OUR INEXTRICABLE INTERCONNECTEDNESS WITH OTHER FORMS OF CREATORIAL LIFE AND SUGGESTS THAT STORIES CAN BE USED TO RESITUATE IMAGINARIES OF HUMAN ACTION IN A MORE-THAN-HUMAN WORLD.

STRATIGRAPHY: A MODERN SYNTHESIS - ANDREW D. MIALL 2022-03-02

THE UPDATED TEXTBOOK IS INTENDED TO SERVE AS AN ADVANCED AND DETAILED TREATMENT OF THE EVOLUTION OF THE SUBJECT OF STRATIGRAPHY FROM ITS DISPARATE BEGINNINGS AS SEPARATE STUDIES OF SEDIMENTOLOGY, LITHOSTRATIGRAPHY, CHRONOSTRATIGRAPHY, ETC., INTO A MODERN INTEGRATED DISCIPLINE IN WHICH ALL COMPONENTS ARE NECESSARY. THERE IS A HISTORICAL INTRODUCTION, WHICH NOW INCLUDES INFORMATION ABOUT THE TIMELINE OF THE EVOLUTION OF THE COMPONENTS OF MODERN STRATIGRAPHY. THE ELEMENTS OF THE VARIOUS COMPONENTS (FACIES ANALYSIS, SEQUENCE STRATIGRAPHY, MAPPING METHODS, CHRONOSTRATIGRAPHIC METHODS, ETC.) ARE OUTLINED, AND A CHAPTER DISCUSSING THE MODERN SYNTHESIS IS INCLUDED NEAR THE END OF THE BOOK, WHICH CLOSES WITH A DISCUSSION OF FUTURE RESEARCH TRENDS IN THE STUDY OF TIME AS PRESERVED IN THE STRATIGRAPHIC RECORD.

ON BIOMINERALIZATION - HEINZ ADOLF LOWENSTAM 1989

THIS WORK ADDRESSES THE QUESTION OF WHY MINERALS FORM IN A LARGE VARIETY OF ORGANISMS, FROM BACTERIA TO MAN. THE AUTHORS DISCUSS THE BASIC PRINCIPLES OF MINERAL FORMATION BY ORGANISMS, AND COMPARE THE VARIOUS MINERALIZATION PROCESSES.

EVOLUTIONARY PALEOECOLOGY - WARREN D. ALLMON 2001-02-14

ONE OF THE MOST IMPORTANT QUESTIONS WE CAN ASK ABOUT LIFE IS "DOES ECOLOGY MATTER?" MOST BIOLOGISTS AND PALEONTOLOGISTS ARE TRAINED TO ANSWER "YES," BUT THE EXACT MECHANISMS BY WHICH ECOLOGY MATTERS IN THE CONTEXT OF PATTERNS THAT PLAY OUT OVER MILLIONS OF YEARS HAVE NEVER BEEN ENTIRELY CLEAR. THIS BOOK EXAMINES THESE MECHANISMS AND LOOKS AT HOW ANCIENT ENVIRONMENTS AFFECTED EVOLUTION,

FOCUSING ON LONG-TERM MACROEVOLUTIONARY CHANGES AS SEEN IN THE FOSSIL RECORD. EVOLUTIONARY PALEOECOLOGY IS NOT A NEW DISCIPLINE. BEGINNING WITH DARWIN, RESEARCHERS HAVE ATTEMPTED TO UNDERSTAND HOW THE ENVIRONMENT HAS AFFECTED EVOLUTIONARY HISTORY. BUT AS WE LEARN MORE ABOUT THESE PATTERNS, THE SEARCH FOR A NEW SYNTHETIC VIEW OF THE EVOLUTIONARY PROCESS THAT INTEGRATES SPECIES EVOLUTION, ECOLOGY, AND MASS EXTINCTIONS BECOMES EVER MORE PRESSING. THE PRESENT VOLUME IS A BENCHMARK SAMPLER OF ACTIVE RESEARCH IN THIS EVER MORE ACTIVE FIELD.

SCIENCE FOR CULTURAL HERITAGE -

RECONSTRUCTING BEHAVIOR IN THE PRIMATE FOSSIL RECORD - J. MICHAEL PLAVCAN
2012-12-06

THIS VOLUME BRINGS TOGETHER A SERIES OF PAPERS THAT ADDRESS THE TOPIC OF RECONSTRUCTING BEHAVIOR IN THE PRIMATE FOSSIL RECORD. THE LITERATURE DEVOTED TO RECONSTRUCTING BEHAVIOR IN EXTINCT SPECIES IS OVERWHELMING AND VERY DIVERSE. SOMETIMES, IT SEEMS AS THOUGH BEHAVIORAL RECONSTRUCTION IS DONE AS AN

AFTERTHOUGHT IN THE DISCUSSION SECTION OF PAPERS, RELEGATED TO THE STATUS OF INFORMED SPECULATION. BUT RECENT YEARS HAVE SEEN AN EXPLOSION IN STUDIES OF ADAPTATION, FUNCTIONAL ANATOMY, COMPARATIVE SOCIOBIOLOGY, AND DEVELOPMENT. POWERFUL NEW COMPARATIVE METHODS ARE NOW AVAILABLE ON THE INTERNET. AT THE SAME TIME, WE FACE A RAPIDLY GROWING FOSSIL RECORD THAT OFFERS MORE AND MORE INFORMATION ON THE MORPHOLOGY AND PALEOENVIRONMENTS OF EXTINCT SPECIES. CONSEQUENTLY, INFERENCES OF BEHAVIOR IN EXTINCT SPECIES HAVE BECOME BETTER GROUNDED IN COMPARATIVE STUDIES OF LIVING SPECIES AND ARE BECOMING INCREASINGLY RIGOROUS. WE OFFER HERE A SERIES OF PAPERS THAT REVIEW BROAD ISSUES RELATED TO RECONSTRUCTING VARIOUS ASPECTS OF BEHAVIOR FROM VERY DIFFERENT TYPES OF EVIDENCE. WE HOPE THAT IN SO DOING, THE READER WILL GAIN A PERSPECTIVE ON THE VARIOUS TYPES OF EVIDENCE THAT CAN BE BROUGHT TO BEAR ON RECONSTRUCTING BEHAVIOR, THE STRENGTHS AND WEAKNESSES OF DIFFERENT APPROACHES, AND, PERHAPS, NEW APPROACHES TO THE TOPIC. WE DEFINE BEHAVIOR AS BROADLY AS WE CAN INCLUDING LIFE-HISTORY TRAITS, LOCOMOTION, DIET, AND SOCIAL BEHAVIOR, GIVING THE AUTHORS CONSIDERABLE FREEDOM IN CHOOSING WHAT, EXACTLY, THEY WISH TO EXPLORE.