CAMBRIDGE

Cambridge University Press
978-0-521-03164-6 - Fossils as Information: New Recording and Stratal Correlation Techniques
Norman F. Hughes
Index
More information

INDEX

Bold type is used to indicate the page number(s) of the main reference(s) to a subject

abundance, of fossils 104
adaptation **58**, 59, 121
ADP 121
Age (stage) 29, 30, 75, 121
amateur paleontologists 5
analysis of problem 115
angiosperm 60, 61, 65, 121
anthropocentric language 59, 121
applicability of PDHC principles **28**
artificial intelligence 3, 115
assemblage, microfossil 109, 121
assemblage-zone 83, 87, 121
atmosphere 71
attribution 12, 13, 14, 15, 26, 42, 43, 110, 121
authority **101**
availability of record 28

balloon taxon **42**, 44, 87, 122
base-taxon 63, 122
binominal 47, 122
biochronology 74, **83**
biologic evolution 5, **57**, 93, 122
biorecord 40, 41, 102, 122
biosphere 71
biostratigraphy 74, **83**, 122
biozone 74, **83**, 86, 88, 122
boundary-stratotype 76, 79, **81**, 122
bracket correlation **93**, 112, 113, 122

calibration 80, 85, 88, 122
Cenozoic time 69
central registration 21, 27
cf. (confer) 8, 13, 14, 15, 32, 34, 122
CfA 33, **34**, 45, 68, 70, 104, 122
CfB 33, **34**, 45, 68, 70, 122
CfB, refinement of **35**, **36**
CfC 33, **35**, 68, 122
character measurement 11
characters, of fossils 37, 123
character-state 16, 17
Chron **88**, 123
chronostratigraphy 74, 82, 123
chronozone 74, 87, 88, 123
clade 59, 123
cladistics 60, 123
class 62, 65, 67, 123
classification (biol.) 60, 114, 123
classification (strat.) 72, 102
cluster 5, 11, 13, 94, 123
cluster taxonomy 17
code, nomenclatural *see* ICBN, ICZN
code, paleontologic data-handling *see* PDHC
codes, stratigraphic 73
comparative morphology 57, 61
comparison record 27, 32, 33, **34**, 35, 111, 123
compatibility with past work, 24, 37, 103, 104
concurrent-range-zone 86, 123
consecutive-range-zone 86, 123
correlation 75, 77, 80, **94**, 123
correlation statements 92, **93**
current data-handling 7
current procedures 7
custom 5, 6, 25, 109

data-handling 5, 21, 123
date/time 27, 29, 30, 39, 40, **43**, 123
definition 10, 13, 123
definition of species 12, 14, 15
deposition of records 28
descent 66, 123
description of record 29, **30**, 39, **40**
diachrony 91, 93, 124
dichotomy 66, 124
dinocyst 52, 94, 124
division (biol.) 62, 65, 67, 124
division (strat.) 50, 76, 88, 124

earlier records 29, 30, 39, 41

© Cambridge University Press www.cambridge.org

CAMBRIDGE

Cambridge University Press
978-0-521-03164-6 - Fossils as Information: New Recording and Stratal Correlation Techniques
Norman F. Hughes
Index
More information

earth evolution **57**, 58, 59, 93, 124
effectiveness **1**
emendation (biol.) **13**, 15, 44, 124
emendation (strat.) 86, 87
ephemera 63, 86, 124
Epoch 124
event 75, 81, 85, 90, 91, 92, 103, 124
event-correlation 75, 90, 124
event inequality 92
event nomenclature **94**
event stratigraphy 74, **84**
evolution **57**, 58, 70, 124
existing records, storage of 31
exploitation 6, 50, 109, 124
exploration 6, 50, 124
extant 9, 66, 124

facies 29, 30
FAD 91, 125
family 62, 65, 67, 125
fine resolution 97
floral/faunal list 13, 125
formation (rock) 74, **76**, 78
fossil record **21**
fossil species 11, 13

genetics 57, 125
genus 7, 24, 47, 65, 66, 67, 102, 125
genus, replacement of **47**
genusbox **48**, 102, 125
geochronology **83**, 125
geochronometry 74, **82**, 125
geologic history 57
geologic information 3
geologic succession age 43
Global Standard Stratigraphy 74
Global Stratigraphic Scale 75, **76**, 79, **81**, 85
glossary 121
golden spike 74, 76, **84**
GOR 22, 28, 29, 30, 31, 34, 105, 125
graded comparison 29, 30, 32, **33**, 34, 35, 36, 111, 113, 125
group, of rocks 74, **76**, 78
GSSP **80**, 85, 125
gymnosperms 67

hierarchy 62, 66, 125
higher taxa 59, 66
Holocene 62, 66, 69, 125
holotype 7, 14, 15, 125
holotype concept 9, 10
100(hundred)-subtroop **64**, 65, 67, 68, 125
hydrosphere 71

ICBN 8, 9, 11, 13, 17, 52, 101, 125
ICZN 8, 9, 11, 13, 17, 52, 101, 125
identification 7, 10, 12, 32, 34, 126
identifier, paleotaxon 42, 43
identifier, record 27
information-handling 3, 106
instructions for GOR 30
instructions for PTR 40
international codes (biol.) 8
international codes (strat.) 73
IPA 28, 101, 126
isochronous surfaces 87, 126

LAD 126
lineage 66, 126
lineage zone 86, 126
Linnean taxa 24, 47, 126
lithologic 126
lithology 75
lithostratigraphy 74, 76, **83**, 126
LM 126
locality, sample 27, 29, 30, 39, 40
lumping 5, 23, 52, 126

macro-evolution 66, 126
magnetostratigraphy 74, **84**
mangrove 70
marker-point 75, 76, **81**, 84, 85, 88, 126
mathematical techniques 73
megafossils 4, 126
megaspores 126
mesofossils 127
microfossils 4, 127
morphologic 127
multiple correlation 94

natural selection **58**, 59, 127
neoteny 59, 127
nomenclatural holotype 7, 10
nomenclature codes 8
nomenclature of records 24, 32
nomina conservanda 8, 52, 127
number of specimens 28, 30, 39, 40
numerical age 29, 30

observational records 24
obstacles of custom 5
Oppel-zones 83, 87, 127
order 62, 65, 67, 127
organ-taxa 9, 127
originator 27, 29, 30, 39, 40, 127
orthographic 28, 127
out-succession 35, 92, 93, 127

palaeontology 127
paleobiogroup 29, 30, 39, 40, 43, **50**, 127
paleobotany 64, 127
paleoentomology 61, 127
paleoenvironment 69, 70, 71, 127
paleofacies 70
paleomagnetic 75, 127
paleontology **51**, 75, 127

© Cambridge University Press www.cambridge.org

CAMBRIDGE

Cambridge University Press
978-0-521-03164-6 - Fossils as Information: New Recording and Stratal Correlation Techniques
Norman F. Hughes
Index
More information

Paleopalynologic DHC 25
paleopalynology 128
paleosol 71
paleotaxon 24, 29, 30, **37**, 39, 40, 102, 104, 128
paleotaxon, not emended **44**
palingenesis 59, 128
palyn-event 96, 103, **105**
palynomorph 128
parataxon 64, 128
paratypes 14, 15
parent to progeny 16, 17
parsimony 5
passage of time 61
PDHC 6, 18, **21**, 22, 23, 24, 27, 52, 66, 70, 72, 101, 128
PDHC, control of 28
PDHC, principles of **27**
Period 29, 30, 39, 40, 74, **75**, 128
Period classification **60**, 62, 63, 114, 128
phylogeny 60, 63, 66, 128
phylozones 86
phylum 50, 128
polarity chron 88
population 10, 37, 128
pre-adaptation **59**, 128
preservation 29, 30, 39, 40
problem of effectiveness **1**
Psychozoa 58, 128
PTR 28, **39**, 40, 41, 105, 128
publication 28, 128
punctuated equilibrium 59, 128
purpose 3, **21**

quantification 22
Quaternary studies 69

radiation 66, 128
radiometric age 75, 128
range 8, 129
range of a species 16, 17
range zones 83
recalcitrance 103
record **25**, 27, 129
record, equal importance of 27, 108, 109
record, numbering of 27
record package **51**
reference succession 35, 92, 93
refinement of correlation **95**, 97, 112
repository, specimen 29, 30, 39, 40, 129
repetition 24
retrieval of data 27, 44, 45, 106
retrieval of information 22
rock description **75**, 77, 85, 129
rock formation 29, 30, 39, 40, 129
rock sample *see* sample, rock

sample lithology 29, 30, 39, 40
sample position 29, 30, 39, 40
sample, rock **27**, 91, 129
SEM 13, 129
Sonneratia 70
species 7, 129
species of fossils 10, 17
specific epithet 7, 47
specimen numbers 41
specimen repository 29
splitting 5, 23, 52, 70, 129
stability of description 28, 44
stability of name 28, 44
stage 74, 87, 129
storage of data 106
stratigraphic procedures **72**, 74, 75
stratigraphy 72, 129
stratology 129
stratotype sections 75
subtroop 64, 65, 67, 129
succession 14, 15, 16, 51, 129
succession age 29, 30, 39, 40, 129
succession correlation 80, 85
supratroop 64, 65, 67
synonymy 16, 109

taphonomy 129
taxon 6, 130
taxon, artificial nature of 37, **38**
taxon, preference for use of **37**
taxonomy 8, 130
tectonic processes 58, 74
terminology 3
time-correlation 80, 130
time-level 130
time-slice 40, 130
timeslot 29, 30, 39, 40, 43, 44, **48**, 64, 102, 130
topotype 130
traditional method 22
trinominal **50**, 130
troop 64, 65, 67, 130
type locality 7, 16, 130

unconformity 130
uniformitarian 69, 130
uninominal 43, 130
updating 5, 28

validating authority 21
variation 4, 10, 14, 15, 29, 30, 39, 40, 58, 130

zone 6, 89, 90, 130

© Cambridge University Press www.cambridge.org