

Contents

PREFACE	vii
KNOX, R. W. O'B. Correlation of the early Paleogene in northwest Europe: an overview	1
 Regional studies: stratigraphy, tectonics and volcanism	
NEAL, J. E. A summary of Paleogene sequence stratigraphy in northwest Europe and the North Sea	15
NADIN, P. A. & KUSZNIR, N. J. Forward and reverse stratigraphic modelling of Cretaceous–Tertiary post-rift subsidence and Paleogene uplift in the Outer Moray Firth Basin, central North Sea	43
RITCHIE, J. D. & HITCHEN, K. Early Paleogene offshore igneous activity to the northwest of the UK margin and its relationship to the North Atlantic Igneous Province	63
JOY, A. M. Controls on Eocene sedimentation in the central North Sea Basin: results of a basinwide correlation study	79
MUDGE, D. C. & BUJAK, J. P. An integrated stratigraphy for the Paleocene and Eocene of the North Sea	91
THOMAS, J. E. The occurrence of the dinoflagellate cyst <i>Apectodinium</i> (Costa & Downie 1976) Lentin & Williams (1977) in the Moray and Montrose Groups (Danian to Thanetian) of the UK central North Sea	115
WOOD, S. E. & TYSON, R. V. An integrated palynological–palynofacies approach to the zonation of the Paleogene in the Forties–Montrose Ridge area, central North Sea	121
ALI, J. R. & JOLLEY, D. W. Chronostratigraphic framework for the Thanetian and lower Ypresian deposits of southern England	129
POWELL, A. J., BRINKHUIS, H. & BUJAK, J. P. Upper Paleocene–Lower Eocene dinoflagellate cyst sequence biostratigraphy of southeast England	145
ELLISON, R. A., ALI, J. R., HINE, N. M. & JOLLEY, D. W. Recognition of Chron C25n in the upper Paleocene Upnor Formation of the London Basin, UK	185
ALI, J. R., HAILWOOD, E. A. & KING, C. The 'Oldhaven magnetozone' in East Anglia: a revised interpretation	195
HOOKE, J. J. Mammalian biostratigraphy across the Paleocene–Eocene boundary in the Paris, London and Belgian basins	205
JOLLEY, D. W. The earliest Eocene sediments of eastern England: an ultra-high resolution palynological correlation	219
MITLEHNER, A. G. Palaeoenvironments in the North Sea Basin around the Paleocene–Eocene boundary: evidence from diatoms and other siliceous microfossils	255
SCHMITZ, B., HEILMANN-CLAUSEN, C., KING, C., STEURBAUT, E., ANDREASSON, F. P., CORFIELD, R. M. & CARLIDGE, J. E. Stable isotope and biotic evolution in the North Sea during the early Eocene: the Albæk Hoved section, Denmark	275
 Global perspective: geochronology and the oceanic record	
BERGGREN, W. A. & AUBRY, M.-P. A late Paleocene–early Eocene NW European and North Sea magnetobiochronological correlation network	309

AUBRY, M.-P., BERGGREN, W. A., STOTT, L. & SINHA, A. The upper Paleocene–lower Eocene stratigraphic record and the Paleocene–Eocene boundary carbon isotope excursion: implications for geochronology	353
STOTT, L. D., SINHA, A., THIRY, M., AUBRY, M.-P. & BERGGREN, W. A. Global $\delta^{13}\text{C}$ changes across the Paleocene–Eocene boundary: criteria for terrestrial–marine correlations	381
THOMAS, E. & SHACKLETON, N. J. The Paleocene–Eocene benthic foraminiferal extinction and stable isotope anomalies	401
CORFIELD, R. M. & NORRIS, R. D. Deep water circulation in the Paleocene Ocean	443
CHARISI, S. D. & SCHMITZ, B. Early Eocene palaeoceanography and palaeoclimatology of the eastern North Atlantic: stable isotope results for DSDP Hole 550	457
INDEX	473