

Contents

Murphy, B., Strachan, R. and Quesada, C. R. Damian Nance: a biography and appreciation	vii
Murphy, J. B., Strachan, R. A. and Quesada, C. Pannotia to Pangaea: Neoproterozoic and Paleozoic Orogenic Cycles in the Circum-Atlantic Region: A celebration of the career of Damian Nance	1
Murphy, J. B., Nance, R. D., Cawood, P. A., Collins, W. J., Dan, W., Doucet, L. S., Heron, P. J., Li, Z.-X., Mitchell, R. N., Pisarevsky, S., Pufahl, P. K., Quesada, C., Spencer, C. J., Strachan, R. A. and Wu, L. Pannotia: in defence of its existence and geodynamic significance	13
Heron, P. J., Murphy, J. B., Nance, R. D. and Pysklywec, R. N. Pannotia's mantle signature: the quest for supercontinent identification	41
Evans, D. A. D. Pannotia under prosecution	63
Kroner, U., Stephan, T., Romer, R. L. and Roscher, M. Paleozoic plate kinematics during the Pannotia–Pangaea supercontinent cycle	83
Hoffman, P. F. Cusp tectonics: an Ediacaran megakarst landscape and bidirectional mass slides in a Pan-African syntaxis (NW Namibia)	105
van Staal, C. R., Barr, S. M., McCausland, P. J. A., Thompson, M. D. and White, C. E. Tonian–Ediacaran tectonomagmatic evolution of West Avalonia and its Ediacaran–early Cambrian interactions with Ganderia: an example of complex terrane transfer due to arc–arc collision?	143
Arenas, R., Sánchez Martínez, S., Albert, R., Haissen, F., Fernández-Suárez, J., Pujol-Solà, N., Andonaegui, P., Díez Fernández, R., Proenza, J. A., Garcia-Casco, A. and Gerdes, A. 100 myr cycles of oceanic lithosphere generation in peri-Gondwana: Neoproterozoic–Devonian ophiolites from the NW African–Iberian margin of Gondwana and the Variscan Orogen	169
Lindner, M., Dörr, W., Reither, D. and Finger, F. The Dobra Gneiss and the Drosendorf Unit in the southeastern Bohemian Massif, Austria: West Amazonian crust in the heart of Europe	185
Errami, E., Linnemann, U., Hofmann, M., Gärtner, A., Zieger, J., Gärtner, J., Mende, K., El Kabouri, J., Gasquet, D. and Ennih, N. From Pan-African Transpression to Cadomian Transtension at the West African Margin: New U–Pb zircon Ages from the Eastern Saghro Inlier (Anti-Atlas, Morocco)	209
Andresen, A. Lithostratigraphic and structural data from Hardangervidda, southern Norway supporting extended interaction between Avalonia and Baltica	235
Dalslåen, B. H., Gasser, D., Grenne, T., Augland, L. E. and Andresen, A. Early–Middle Ordovician sedimentation and bimodal volcanism at the margin of Iapetus: the Trollhøtta–Kinna Basin of the central Norwegian Caledonides	251
Slagstad, T., Saalman, K., Kirkland, C. L., Høyen, A. B., Storruste, B. K., Coint, N., Pin, C., Marker, M., Bjerkgård, T., Krill, A., Solli, A., Boyd, R., Larsen Angvik, T. and Larsen, R. B. Late Neoproterozoic–Silurian tectonic evolution of the Rödingsfjället Nappe Complex, orogen-scale correlations and implications for the Scandian suture	279
Walker, S., Bird, A. F., Thirlwall, M. F. and Strachan, R. A. Caledonian and Pre-Caledonian orogenic events in Shetland, Scotland: evidence from garnet Lu–Hf and Sm–Nd geochronology	305

McConnell, B., Riggs, N. and Fritschle, T. Tectonic history across the Iapetus suture zone in Ireland	333
Archibald, D. B. and Murphy, J. B. A slab failure origin for the Donegal composite batholith, Ireland as indicated by trace-element geochemistry	347
Schofield, D. I., Leslie, A. G., Wilby, P. R., Dartnall, R., Waldron, J. W. F. and Kendall, R. S. Tectonic evolution of Anglesey and adjacent mainland North Wales	371
Dostal, J., Wilson, R. A. and Jutras, P. Petrogenesis of Siluro-Devonian rhyolites of the Tobique Group in the northwestern Appalachians (northern New Brunswick, Canada): tectonic implications for the accretion history of peri-Gondwanan terranes along the Laurentian margin	391
Hildebrand, R. S. and Whalen, J. B. Arc and slab-failure magmatism of the Taconic Orogeny, western New England, USA	409
Piper, D. J. W. and Pe-Piper, G. Evolution of late Paleozoic shearing in the Cobequid Highlands: constraints on the fragmentation of the Appalachian Orogen in Nova Scotia along intra-continental shear zones	423
Park, A. F. and Hinds, S. J. Structure and stratigraphy in the Pennsylvanian tectonic zone of southern New Brunswick, Canada: the 'Maritime coastal disturbance' revisited	443
Dennis, A. J., Miller, B. V., Hibbard, J. P., Tappa, E. and Thunell, R. C. Gondwanan fragments in the southern Appalachians	469
Juárez-Zúñiga, S., Solari, L. A. and Ortega-Obregón, C. Permian igneous clasts from the Matzitzi Formation, southern Mexico: isotopic constraints on the final amalgamation of Pangaea	481
Sánchez Martínez, S., Arenas, R., Albert, R., Gerdes, A. and Fernández-Suárez, J. Updated geochronology and isotope geochemistry of the Vila de Cruces Ophiolite: a case study of a peri-Gondwanan back-arc ophiolite	497
Álvaro, J. J., Casas, J. M. and Quesada, C. Reconstructing the pre-Variscan puzzle of Cambro-Ordovician basement rocks in the southwestern European margin of Gondwana	531
Gutiérrez-Alonso, G., López-Carmona, A., Núñez-Guerrero, E., Martínez García, A., Fernández-Suárez, J., Pastor-Galán, D., Gutiérrez-Marco, J. C., Bernárdez, E., Colmenero, J. R., Hofmann, M. and Linnemann, U. Neoproterozoic–Paleozoic detrital sources in the Variscan foreland of northern Iberia: primary v. recycled sediments	563
Paslawski, L. E., Braid, J. A., Quesada, C. and McFarlane, C. M. Geochronology of the Iberian Pyrite Belt and the Sierra Norte Batholith: lower plate magmatism during supercontinent amalgamation?	589
Pereira, M. F., Gama, C., Dias da Silva, Í., Fuenlabrada, J. M., Silva, J. B. and Medina, J. Isotope geochemistry evidence for Laurussian-type sources of South Portuguese Zone Carboniferous turbidites (Variscan Orogeny)	619
Index	643