World Map Showing Surface and Subsurface Distribution, and Lithologic Character of Middle and Late Neoproterozoic Rocks

By John H. Stewart[1]

Open-File Report 2007-1087

2007

U.S. Department of the Interior
U.S. Geological Survey

[1] Menlo Park, Calif.

U.S. Department of the Interior
DIRK KEMPTHORNE, Secretary

U.S. Geological Survey
Mark D. Myers, Director

U.S. Geological Survey, Reston, Virginia 2007
Revised and reprinted: 2007

For product and ordering information:
World Wide Web: http://www.usgs.gov/pubprod
Telephone: 1-888-ASK-USGS

For more information on the USGS—the Federal source for science about the Earth, its natural and living resources, natural hazards, and the environment:
World Wide Web: http://www.usgs.gov
Telephone: 1-888-ASK-USGS

Suggested citation:
Stewart, John H., 2007, World map showing surface and subsurface distribution, and lithologic character of Middle and Late Neoproterozoic rocks: U.S. Geological Survey Open-File Report 2007-1087.

Contents

Introduction 3
Sources of information 2
Africa [AF] 2
Antarctica (ANT] 9
Australia [AUS] 11
Balitica [(Europe, Britan, Ireland, Eastern European Platform, Ural Mountains) [BAL] . 13
Cadomian, Avalonian and related rocks (widely dispersed magmatic arc rocks, primarily in Europe and North America [CAD] 18
Central Asia [CAS] 24
China and adjacent regions (CH) 26
Gondwana, references to regional studies of Gondwana [GON] 28
India, Sri Lanka, Afghanistan, Pakistan, and adjacent regions (IN) 29
Laurentia (North America, Greenland, and related areas in North Atlantic) [LA] 31
Middle East, Iran, Afghanistan, Pakistan, and adjcent regions [MID] 38
Regional or global references [REG] 40
South America [SA] 41
Siberia, including Kolyma and adjacent regions [SI] 50
Acknowledgements: 52

Introduction

The map was prepared to outline the basic information on where Neoproterozoic rocks are present in the World, and of the lithologic character of these rocks. The information provides a better understanding of major Neoproterozoic tectonic subdivisions useful in paleogeographic and plate tectonic reconstructions.

The time frame of the map is within the middle and late Neoproterozoic from approximately 870 to 540 Ma and is after widespread Mesoproterozoic Grenville-age collisional events that are considered to have formed the hypothetical supercontinent of Rodinia. Much of the time represented by the map is interpreted to be during the fragmentation of Rodinia.

The recognition of Neoproterozoic rocks is commonly difficult because of limited isotopic or paloeontological dating. Thus, some rocks shown on the map could be older or younger than the age indicated. However, at the scale of the map the the problem may be minor. Enough information seems to be available to indicate the general age of the rocks. Many of the successions contain diamictite deposits considered to be glaciogenic and dated as middle or late Neoproterozoic. These deposits thus show a rough correlation of middle and late Neoproterozoic rocks of the world. The map is a Richardson map projection, except for Antarctica which is a polar projection.

The map was prepared from about 650 references, shown here under “Sources of Information", used to outline distribution patterns, determine rock types, and provide information on the regional and local geologic framework of the rocks. The focus of the

references is on the geologic information needed to prepare the map. Other information, such as plate tectonic reconstructions or paleomagnetic studies is generally not included.

The "Sources of Information" lists references alphabetically for each of 14 regions as shown below. In brackets is a code for each area. These codes provide help in locating the specific regions in the references. The areas and codes are listed below:

Africa and Madagascar [AF]

Antarctica (ANT]

Australia [AUS]

Baltica [(Europe, Britan, Ireland, Eastern European Platform, Ural Mountains) [BAL]
Cadomian, Avalonian and related rocks (widely dispersed magmatic arc rocks primarily in Europe and North America [CAD]

Central Asia [CAS]

China and adjacent regions (CH]

Gondwana, references to regional studies of Gondwana [GON]

India, Sri Lanka, Afghanistan, Pakistan, and adjacent regions (IN)

Laurentia (North America, Greenland, and related areas in North Atlantic) [LA]

Middle-East, Iran, Afghanistan, and Pakistan, and adjacent regions

Regional or global references [REG]

South America [SA]

Siberia, including Kolyma, and adjacent regions [SI]

Sources of information

Africa [AF]

[AF] Abdelsalam, M. G., Liégeois, Jean-Paul, and Stern, R. J., 2002, The Saharan Metacraton: Journal of African Earth Sciences, v. 34, p. 1190136.

[AF] Appel, P., M., A., and Schenk, V., 1998, High-pressure granulite facies metamorphism in the Pan-African belt of eastern Tanzania: P-T-t evidence against granulite formation by continent collision: Journal of Metamorphic Geology, v. 16, p. 491-509.

[AF] Ashwal, L. D., Hamilton, M A., Morel, Vincent P.I., and Rambeloson, Roger A., 1998, Geology, petrology and isotope geochemistry of massif-type anorthosites

from southwest Madagascar: Contributions to Mineralogy and Petrology, v. 133, p. 389-401.
[AF] Attoh, Kodjopa, Dallmeyer, R.D., and Affaton, Pascal, 1997, Chronology of nappe assembly in the Pan-African Dahomeyide orogen, West Africa: evidence from 40Ar/39Ar mineral ages: Precambrian Research, v. 82, p. 153-171.
[AF] Ayalew, Teklewold, Bell, Keith, Moore, J. M., and Parrish, R. R., 1990, U-Pb and Rb-Sr geochronology of the Western Ethiopian Shield: Geological Society of America Bulletin, v. 102, p. 1309-1316.
[AF] Binda, P. L., 1994, Stratigraphy of Zambian Copperbelt orebodies: Journal of African Earth Sciences, v. 19, no. 4, p. 251-264.
[AF] Black, R., Latouche, L., Liégeois, J.P., Caby, R., and Bertrand, J.M., 1994, Pan-African displaced terranes in the Tuareg shield (central Sahara): Geology, v. 22, p. 641-644.
[AF] Breitkopf, J. H., 1989, Geochemical evidence for magma source heterogeneity and activity of a mantle plume during advanced rifting in the southern Damara Orogen, Namibia: Lithos, v. 23, p. 115-122.
[AF] Caby, Renaud, Andreopoulos-Renaud, Uranie, and Pin, Christian, 1989, Late Proterozoic arc–continent and continent–continent collision in the pan-African trans-Saharan belt of Mali: Canadian Journal of Earth Sciences, v. 26, no. 6, p. 1136-1146.
[AF] Cahen, L. 1978, Les mixtites ante-cambriennes de l' est du Zaire: Mise au point interimaire: Musee Royal de L'Afrique Centrale, Tervuren, Belgique, Rapport Annuel Pour L'Annee 1977 du Département de Géologie et de Minéralogie du Musée royal de l'Afrique, v. 1978, p. 47-52.
[AF] Cahen, L., 1982, Geochronological correlation of the Late Precambrian sequences on and around the stable zones of Equatorial Africa: Precambrian Research, v. 18, p. 73-86.
[AF] Cahen, L., Snelling, N.J., Delhal, J., and Vail, J.R., 1984, The geochronology and evolution of Africa: Clarendon Press, Oxford, 512 p.
[AF] Cailteux, J., Binda, P.L., Katekesha, W.M., Kampunu, A.B., Intiomale, M.M., Kapenda, D., Kaunda, C., Ngongo, K., Tshiauka, T., and Wendorff, M., 1994, Lithostratigraphical correlation of the Neoproterozoic Roan Supergroup from Shaba (Zaire) and Zambia, in the central African copper-cobalt metallogenic province: Journal of African Earth Sciences, v. 19, no. 4, p. 265-278.
[AF] Collins, A. S., Köner, Alfred, Fitzsimons, I. C.W., and Razakamanana, Théodore, 2003, Detrital footprint of the Mozambique ocean: U-Pb SHRIMP and Pb evaporation zircon geochronology of metasedimentary gneisses in eastern Madagascar: Tectonophysics, v. 375 nos. 1-4, p. 77-99.
[AF] Dallmeyer, R.D., 1991, Exotic terranes in the central-southern Appalachian orogen and correlations with Africa, in Dallmeyer, R.D., and Léconché, J.P., eds., The west African orogens and circum-Atlantic correlatives: Berlin, Springer-Verlan, p. 335-371.
[AF] Dallmeyer, R.D., and Lécorché, J.P., 1991, eds., The West African orogens and circum-Atlantic correlatives: Springer-Verlag, Berlin, 405 p.
[AF] Daly, M.C., 1986, The intracratonic Irumide belt of Zambia and its bearing on collision orogeny during the Proterozoic of Africa, in Coward, M.P., and Reis, A.C., eds., Collision Tectonics: Geological Society of London, Special Publications no. 19, p. 321-328.

[AF] Deblond, A., Punzalan, L.E., Bowne, A., and Tack, L., 2001, The Malagarazi Supergroup of SE Burundi and its correlative Bukoba Supergroup of NW Tanzania: Neo- and Mesoproterozoic chronostratigraphic constraints from Ar-Ar ages on mafic intrusive rocks: Journal of African Earth Sciences, v. 32, no. 3, p. 435-449.

[AF] Dirks, P.H.G.M., Jelsma, H.A., Vinyu, M., and Munyanyiwa, H., 1998, The structural history of the Zambezi belt in northeast Zimbabwe: evidence for crustal extension during the early Pan-African: South African Journal of Geology, v. 101, no. 1, p. 1-16.

[AF] Dürr, S.B., and Dingeldey, D.P., 1996, The Kaoko belt (Namibia): Part of a late Proterozoic continental-scale strike-slip system: Geology, v. 24, no. 6, p. 503-506.

[AF] El-Gaby, Samir, and Greiling, R. O., eds., 1988, The Pan-African Belt of Northeast Africa and Adjacent Areas, Tectonic evolution and economic aspects of a Late Proterozoic orogen: Friedr. Vieweg and Sohn, Braunschweig/Wiesbaden, 299 p.

[AF] Ferré, Eric, Gleize, Gérard, and Caby, Renaud, 2002, Obliquely convergent tectonics and granite emplacement in the Trans-Saharan belt of Eastern Nigeria: a synthesis: Precambrian Research, v. 114, p. 199-219.

[AF] Foster, R.P., Leahy, K., Hunns, S.R., Pelham, D.A., Lawrence, S.R., and Harrison, A.E., 2001, Pan-African terranes: realizing the metal potential: Institution of Mining and Metallurgy, Transactions, Section B: Applied Earth Science, v. 110 p. 15-23.

[AF] Frimmel, H, E., Klötzli, U. S., and Siegfried, P. R., 1996, New Pb-Pb single zircon age constraints on the timing of Neoproterozoic glaciation and continental break-up in Namibia: The Journal of Geology, v. 104, p. 459-469.

[AF] Frimmel, H. E., and Fölling, Peter G., 2004, Late Vendian closure of the Adamastor Ocean: Timing of tectonic inversion and syn-orogenic sedimentation in the Gariep Basin: Gondwana Research, v. 7, no. 3, p. 685-699.

[AF] Frimmel, H. E., Hartnady, C. J.H., and Koller, Friedrich, 1996, Geochemistry and tectonic setting of magmatic units in the Pan-African Gariep belt, Namibia: Chemical Geology, v. 130, p. 101-121.

[AF] Frimmel, H.E., and Frank, W., 1998, Neoproterozoic tectono-thermal evolution of the Gariep belt and its basement, Namibia and South Africa: Precambrian Research, v. 90, p. 1-28.

[AF] Germs, G, J.B., 1995, The Neoproterozoic of southwestern Africa, with emphasis on platform stratigraphy and paleontology, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 137-151.

[AF] Goscombe, B., Armstrong, R, and Bartonl, J.M., 2000, Geology of the Chewore inlier, Zimbabwe: constraning the Mesoproterozoic to Paleozoic evolution of the Zambezi belt: Journal of African Earth Science, v. 30, no. 3, p. 589-627.

[AF] Grantham, G.H., Maboko, M., and Eglington, B.M., 2003, A review of the evolution of the Mozambique belt and implications for the amalgamation and dispersal of Rodinia and Gondwana, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds. Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 401-425.

[AF] Gresse, P.G., Chemale, F., da Silva, L.C., Walraven, F., and Hartmann, L.A., 1996, Late- to post-orogenic basins of the Pan-African–Brasiliano collision orogen in southern Africa and southern Brazil: Basin Research, v. 8, p. 157-171.
[AF] Hanson, R. E., Wardlaw, Melissa S., Wilson, Terry J., and Mwale, Giddy, 1993, U-Pb zircon ages from the Hook granite massif and Mwembeshi dislocation: constraints on Pan-African deformation, plutonism, and transcurrent shearing in central Zambia: Precambrian Research, v. 63, p. 189-209.
[AF] Hanson, R. E., Wilson, Terry J., and Munyanyiwa, Hubert, 1994, Geologic evolution of the Neoproterozoic Zambezi Orogenic belt in Zambia: Journal of African Earth Sciences, v. 18, no. 12, p. 135-150.
[AF] Hanson, R.E., 2003, Proterozoic geochronology and tectonic evolution of southern Africa, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds. Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 427-463.
[AF] Hanson, R.E., 2003, Proterozoic geochronology and tectonic evolution of southern Africa, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds. Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 427-463.
[AF] Hartnady, Chris, Joubert, Pieter, and Stowe, Clive, 1985, Proterozoic crustal evolution in Southwestern Africa: Episodes, v. 8, no. 4, p. 236-244.
[AF] Hefferan, K. P., Admou, Hassan, Karson, J. A., and Saquaque, Ali, 2000, Anti-Atlas (Morocco) role in Neoproterozoic Western Gondwana reconstruction: Precambrian Research, v. 103, p. 89-96.
[AF] Hefferan, Kevin P., Karson, Jeffrey A., and Saquaque, Ali, 1992, Proterozoic collisional basins in a Pan-African suture zone, Anti-Atlas Mountains, Morocco: Precambrian Research, v. 54, p. 295-319.
[AF] Hoffman, P. F., Kaufman, A, J., and Halverson, G. P., 1998, Comings and goings of global glaciations on a Neoproterozoic tropical platform in Namibia: GSA Today, v. 8, no. 5, p. 1-9.
[AF] Hoffmann, K.-H, Condon, D.J., Bowring, S.A., and Crowley, J.L., 2004, U-Pb zircon date from the Neoproterozoic Ghaub Formation, Namibia: Constraints on Marinoan glaciation: Geology, v. 32, no. 9, p. 817-820.
[AF] Inglis, J.D., D'Lemos, R.S., Samson, S. D., and Admou, H., 2005, Geochronological constraints on Late Precambrian intrusion, metamorphism, and tectonism in Anti-Atlas Mountains: The Journal of Geology, v. 113, p. 439-450.
[AF] Jackson, M.P.A., Warin, O.N., Woad, G.M., and Hudec, M.R., 2003, Neoproterozoic allochthonous salt tectonics during the Lufilian orogeny in the Katangan Copperbelt, central Africa: Geological Society of America Bulletin, v. 115, no. 3, p. 314-330.
[AF] Jacobs, Joachim, and Thomas, R. J., 2004, Himalayan-type indenter-escape tectonics model for the southern part of the late Neoproterozoic–early Paleozoic East African–Antarctic orogen: Geology, v. 32, no. 8, p. 721-724.
[AF] Johnson, R.L., and Vail, J.R., 1965, The junction between the Mozambique and Zambesi Orogenic belts: North-coast Southern Rhodesia: Geological Magazine, v. 102, no. 6. p. 489-495.
[AF] Jung, S., Mezger, K., and Hoernes, S., 2001, Trace element and isotopic (Sr, Nd, Pb, O) arguments for a mid-crustal origin of Pan-African garnet-bearing S-type

granites from the Damara orogen (Namibia): Precambrian Research, v. 110, p. 325-355.

[AF] Kampunzu, A.B., Kapenda, D., and Manteka, B., 1991, Basic magmatism and geotectonic evolution of the Pan African belt in central Africa: evidence from the Katangan and West Congolian segments: Tectonophysics, v. 190, p. 363-371.

[AF] Krabbendam, M., and Barr, T.D., 2000, Proterozoic orogens and the break-up of Gondwana: why did some orogens not rift?: Journal of African Earth Sciences, v. 31, no. 1, p. 35-49.

[AF] Kröner, A., and Stern, R.J., 2005, Africa; Pan-African Orogeny, in Selley, R. C., Cocks, L. R., and Plimer, I. R., eds., : Encyclopedia of Geology, v. 1, p. 1-12. Elsevier, Amsterdam.

[AF] Kröner, Alfred, Hegner, Ernst, Collins, A. S., Windley, B. F., Brewer, T, S., Razakamanan, Theodore, and Pidgeon, R. T., 2000, Age and magmatic history of the Antananariivo block, Central Madagascar, as derived from zircon geochronology and Nd isotopic systematics: American Journal of Science, v. 300, p. 251-288.

[AF] Kröner, Alfred, Stern, R.J., Dawoud, A.S., Compston, W., Reischmann, T., 1987, The Pan-African continental margin in northeast Africa: evidence from a geochronological study of granulites at Saboloka, Sudan: Earth and Planitary Science Letters, v. 85, p. 91-104.

[AF] Leblanc, M., and Moussine-Pouchkine, A., 1994, Sedimentary and volcanic evolution of a Neoproterozoic continental margin (Bleida, Anti-Atlas, Morocco): Precambrian Research, v. 70, p. 25-44.

[AF] Lenoir, J.-L., Küster, D., Liégeois, J.-P., Utke, A., Haider, A., and Matheis, G., 1994, Origin and regional significance of late Precambrian and early Paleozoic granitoids in the Pan-African belt of Somalia: Geologische Rundschaus, v. 83, p.624-641.

[AF] Liégeois, J.P., Black, R., Navez, J., and Latouche, L., 1994, Early and late Pan-African orogenies in the Aïr assembly of terranes (Tuareg shield, Niger): Precambrian Research, v. 67, p. 59-88.

[AF] Martin, H., and Porada, H., 1977, The intracratonic branch of the Damara Orogen in southwest Africa, I Discussion of geodynamic models: Precambrian Research, v. 5, p. 311-338.

[AF] Martin, H., and Porada, H., 1977, The intracratonic branch of the Damara Orogen in southwest Africa, II Discussion of relationships with the Pan-African mobile belt system: Precambrian Research, v. Precambrian Research, v. 5, p. 339-357.

[AF] Martin, H., and Porada, H., 1977, The intracratonic branch of the Damara Orogen in southwest Africa, I Discussion of geodynamic models: Precambrian Research, v. 5, p. 311-338.

[AF] McGowan, Ross R., Roberts, Stephen, Foster, Robert P., Boyce, Adrian J., and Coller, Dave, 2003, Origin of the copper-cobalt deposits of the Zambian Copperbelt: An epigenetic view from Nchanga: Geology, v. 31, no. 6, p. 497-500.

[AF] McMillan, Andy, Harris, Nigel B.W., Holness, Marian, Ashwal, Lewis, Kelley, Simon, and Rambeloson, Roger, 2003, A granite-gabbro complex from Madagascar: constrains on melting of the lower crust: Contribribution. Mineral Petrology. v. 145-585-599, published online 29-May, 2003, DOI-10.1 007/s00410-003-0470-1.

[AF] Miller, R. Mc.G., ed., 1983, Evolution of the Damara Orogen of Southwest Africa–Namibia: The Geological Society of South Africa, Special Publication no. 11, 515 p., 2 sheets, scale 1:500,000.
[AF] Mosley, P.N., 1993, Geological evolution of the late Proterozoic "Mozambique Belt" of Kenya: Tectonophysics, v. 221, p. 223-250.
[AF] Mosley, P.N., 1993, Geological evolution of the late Proterozoic "Mozambique Belt" of Kenya: Tectonophysics, v. 221, p. 223-250.
[AF] Muhongo, S., and Lenoir, J.-L, 1994, Pan-African granulite-facies metamorphism in the Mozambique belt of Tanzania: U-Pb zircon geochronology: Journal of the Geological Society of London, v. 151, p. 343-347.
[AF] Muhongo, S., and Tuisku, P., 1996, Pan-African high pressure isobaric cooling: evidence from the mineralogy and thermobarometry of the granulite-facies rocks from the Uluguru Mountains, eastern Tanzania: Journal of African Earth Sciences, v. 23, no. 3, p. 443-463.
[AF] Muhongo, S., Kröner, Alfred, and Nemchin, A.A., 2001, Single zircon evaporation and SHRIMP ages for granulite-facies rocks in the Mozambique belt of Tanzania: The Journal of Geology, v. 109, p. 171-189.
[AF] Njiosseu, Evine Laure Tanko, Nzeti, Jean-Paul, Njanko, Théophile, Kapajika, Badidanga, and Nédélec, Anne, 2005, New U-Pb zircon ages from Tonga (Cameroon): coexisting Eburnean-Transamazonia (2.1 Ga) and Pan-African (0.6 Ga) imprints: C.R. Geoscience, v. 337, p. 551-562 [article in French]
[AF] Olade, M. A., 1980, Plate tectonics and metallogeny of intra-continental rifts and aulacogens, with special reference to Africa, in Ridge, John Drew, ed., Proceedings of the Quadrennial IAGOD Symposium, no. 5, v. 1, p. 91-111.
[AF] Castaing, C., Triboulet, C., Feybesse, J.L., and Chèvremont, P., 1993, Tectonometamorphic evolution of Ghana, Togo and Benin in the light of the Pan-African–Brasiliano orogeny: Tectonophysics, v. 218, p. 323-342.
[AF] Pinna. P., Jourde, G., Calvez, J.Y., Mroz, J.P., and Marques, J.M., 1993, The Mozambique belt in northern Mozambique: Neoproterozoic (1100–850 Ma) crustal growth and tectogenesis, and superimposed Pan-African (800-550 Ma) tectonism: Precambrian Research, v.62, p. 1-59.
[AF] Porada, H., 1979, The Damara-Riveira orogen of the Pan-African-Brasiliano cycle in Namibia (southwest Africa) and Brazil as interpreted in terms of continental collision: Tectonophysics, v. 57, p. 237-265.
[AF] Porada, H., 1985, Stratigraphy and facies in the Upper Proterozoic Damara orogen, Namibia, based on a geodynamic model: Precambrian Research, v. 29, p. 235-264.
[AF] Porada, H., 1989, Pan-African rifting and orogenesis in Southern to Equatorial Africa and Eastern Brazil: Precambrian Research, v.44, p. 103-136.
[AF] Porada, Hubertus, 1985, Stratigraphy and facies in the Upper Proterozoic Damara Orogen, Namibia, based on a geodynamic model: Precambrian Research, v. 29, p. 235-264.
[AF] Porada, Hubertus, and Berhorst, Volker, 2000, Toward a new understanding of the Neoproterozoic-Early Paleozoic Lufilian and norther Zambezi belts in Zambia and the Demoncratic Repulic of Congo: Journal of African Earth Sciences, v. 30, no. 3, p. 727-771.
[AF] Reeves, C.V., 1978, A failed Gondwana spreading axis in southern Africa: Nature, v. 273, no. 5659, p. 222-223.

[AF] Robb, L.J., Armstrong, R.A., and Waters, D.J., 1999, The history of granulite-facies metamorphism and crustal growth from single zircon U-Pb geochronology: Namaqualand, South Africa: Journal of Petrology, v. 40, no. 12, p. 1747-1770.
[AF] Saadallah, A., and Caby, R., 1996, Alpine extensional detachment tectonics in the Grande Kabylie metamorphic core complex of the Maghrebides (northern Algeria): Tectonophysics, v. 267, p. 257-273.
[AF] Samson, S.D., Inglis, J.D., D'Lemos, R.S., Admou, H., Blichert-Toft, J., and Hefferan, K., 2004, Geochronological geochemical, and Nd-Hf isotopic constraints on the origin of Neoproterozoic plagiogranites in the Tasriwine ophiolite, Anti-Atlas orgen, Morocco: Precambrian Research, v. 135, p. 133-147.
[AF] Schenk, Volker, Haase, Karslen, Scherer, Erik, and Tembo, Francis, 2003, Evidence for a Neoproterozoic ocean in south-central Africa from mid-oceanic-ridge-type geochemical signatures and pressure-temperature estimates of Zambian eclogites: Geology, v. 31, no. 3, p. 243-246.
[AF] Seth, B., Kröner, A., Mezger, K., Nemchin, A.A., Pidgeon, R.T., and Okrusch, M., 1998, Archaean to Neoproterozoic magmatic events in the Kaoko velt of NW Namibia and their geodynamic significance: Precambrian Research, v. 92, p. 341-363.
[AF] Stern, R. J., 1994, Arc assembly and continental collision in the Neoproterozoic East African Orogen: Implications for the consolidation of Gondwanaland: Annual Review of Earth and Planetary Sciences: v. 22, p. 319-351.
[AF] Stern, R. J., 2002, Crustal evolution in the East African Orogen: a neodymium isotopic perspective: Journal of African Earth Sciences 34, p. 109–117.
[AF] Stern, R.J., Kröner, A., Bender, R., Reischmann, T., and Dawooud, A.S., 1994, Precambrian basement around Wadi Halfa, Sudan: a new perspective on the evolution of the East Saharan Craton: Geologische Rundschau v. 83, p. 564-577.
[AF] Stern, Robert J., and Kröner, Alfred, 1993, Late Precambrian crustal evolution in NE Sudan: Isotopic and geochronologic constraints: The Journal of Geology, v. 101, p. 555-574.
[AF] Tack, L., Wingate, M.T.D., Liégeois, J.-P., Fernandez-Alonso, M., and Deblond, A., 2001, Early Neoproterozoic magmatism (1000–910 Ma) of the Zadinian and Mayumbian Groups (Bas-Congo): onset of Rodinia rifting at the western edge of the Congo craton: Precambrian Research, v. 110, p. 277-306.
[AF] Tadesse, T., 1996, Structure across a possible intra-oceanic suture zone in the low-grade Pan-African rocks of northern Ethiopia: Journal of African Earth Sciences, v. 23, no. 3, p. 375-381.
[AF] Timm, John, Volker, Schenk, Haase, Karsten, Scherer, Erik, and Tembo, Francis, 2003, Evidence for a Neoproterozoic ocean in south-central Africa from mid-oceanic-ridge-type geochemical signatures and pressure-temperatures estimates of Zambian eclogites: Geology, v. 31, no. 3, p. 243-246.
[AF] Torsvik, T.H., Ashwal, L.D., Tucker, R.D., and Eide, E.A., 2001, Neoproterozoic geochronology and palaeogeography of the Seychelles microcontinent: the India link: Precambrian Research, v. 110, p. 47-59.
[AF] Toteu, S.F., Michard, A., Bertrand, J.M., and Rocci, G., 1987, U-Pb dating of Precambrian rocks from northern Cameroon, orogenic evolution and chronology of the Pan-African belt of central Africa: Precambrian Research, v. 37, p. 71-87.
[AF] Unrug, R., 1983, The Lufilian arc: A microplate in the Pan-African collision zone of the Congo and the Kalahari cratons: Precambrian Research, v. 21, p. 181-196.

[AF] Vail, J. R., 1983, Pan-African crustal accretion in north-east Africa: Journal of African Earth Sciences, v. 1, nos. 3-4, p. 285-294.
[AF] Villeneuve, Michel, and Dallmeyer, R.D., 1987, Geodynamic evolution of the Mauritanide, Bassaride, and Rokelide Orogens (West Africa): Precambrian Research, v. 37, p. 19-28.
[AF] Vrána, S., Prasad, R., and Fediukková, E., 1975, Metamorkphic Kyanite eclogites in the Lufilian arc of Zambia: Contribution to Mineralogy and Petrology, v . 51, p. 139-160.
[AF] Wendorff, Marek, 2005, Evolution of Neoproterozoic–Lower Paleozoic Llufilian arc, central Africa: a new model based on syntectonic conglomerates: Journal of the Geological Society of London, v. 162, p. 5-8.
[AF] Zhao, Guochun, Sun, Min, and Wilde, Simon A., 2002, Did South America and West Africa marry and divorce or was it a long-lasting relationship?: Gondwana Research, v. 5, no. 3, p. 591-596.

Antarctica (ANT]

[ANT] Aide, R. J., ed., 1972, Antarctic geology and geophysics-Symposium on Antarctic geology and solid earth geophysics: International Union of Geological Sciences, Series B., v. 1, no. 1, 875 p.
[ANT] Boger, S.D., Carson, C.J., Fanning, C.M., Hergt, J.M., Wilson, C.J.L., and Woodhead, J.D., 2002, Pan-African intraplate deformation in the northern Prince Charles Mountains, east Antarctica: Earth and Planetary Science Letters, v. 195, p. 195-210.
[ANT] Borg, Scott G., DePaolo, Donald J., and Smith, Brian M., 1990, Isotopic structure and tectonics of the Central Transantarctic Mountains: Journal of Geophysical Research, v. 95, no. B5, p. 6647-6667.
[ANT] Carson, C.J., Dirks, P.G.H.M., Hand, M., Sims, J.P., and Wilson, C.J.L., 1995, Compressional and extensional tectonics in low-medium pressure granulites from the Larsemann Hills, East Antarctica: Geological Magazine, v. 132, no. 2, p. 151-170.
[ANT] Fitzsimons, I.C.W., 2000, A review of tectonic events in the East Antarctic Shield and their implications for Gondwana and earlier supercontinents: Journal of African Earth Sciences, v. 31, no. 1, p. 3-23.
[ANT] Goodge, J. W., 2002, From Rodinia to Gondwana: supercontinent evolution in the Transantarctic Mountains: Royal Society of New Zealand Bulletin, v. 35, p. 61-74.
[ANT] Goodge, J.W., Myrow, P., Williams, I.S., and Bowring, S.A., 2002, Age and provenance of the Beardmore Group, Antarctica: Constraints on Rodinia Supercontinent breakup: The Journal of Geology, v. 110, p. 393-406.
[ANT] Goodge, J.W., Williams, I.S., Myrow, P., 2004, Provenance of Neoproterozoic and lower Paleozoic siliciclastic rocks of the central Ross orogen, Antarctica: Detrital record of rift-, passive-, and active-margin sedimentation: Geological Society of America Bulletin, v. 116, p. 1253-1279.
[ANT] Jacobs, Joachim, 1999, 1999, Neoproterozoic –Loweer Paleozoic events in Central Dronning Maud Land: The Journal of Geology, v. 106, p. 385-406.

[ANT] Jacobs, Joachim, 1999, Neoproterozoic–Lower Palaeozoic events in Central Dronning Maud Land (East Antarctica): Gondwana Research, v. 2, no. 3, p. 473-480.
[ANT] Jacobs, Joachim, Fanning, C. Mark, Henjes-Kunst, Friedhelm, Olesch, Martin, and Paech, Hans-Jürgen, 1998, Continuation of the Mozambique Belt into East Antarctica: Grenville-Age metamorphism and Polyphase Pan-African High-Grade
[ANT] Kamenev, E.N., 1993, Structure and evolution of the Antarctic shield in Precambrian, in Findlay, R.H., Unrug, R., Banks, M.R., and Veevers, J.J., eds., International Gondwana Symposium, v. 8, Balkema, Rotterdam, p. 141-151.
[ANT] Laird, M.G., Mansergh, G.D., and Chappell, J.M.A., 1971, Geology of the Central Nimrod Glacier area, Antarctica: New Zealand Journal of Geology and Geophysics, v. 14, no. 3, p. 427-468.
[ANT] Laird, Malcolm, G., 1991, The Late Proterozoic-Middle Palaeozoic rocks of Antarctica, Chapter 2, in Tingey, Robert J., ed., The geology of Antarctica: Oxford Monographs on Geology and Geophysics, v. 17, p. 74-119.
[ANT] Mishra, D.C., Sekhar Chandra, D.V., Raju, D.Ch. Venkata, and Kumar, V. Vijaya, 1999, Crustal structure based on gravity-magnetic modeling constrained from seismic studies under Lambert Rift, Antarctica and Godavari and Mahanadi rifts, India and their interrelationship: Earth and Planetary Science Letters, v. 172, p. 287-300.
[ANT] Rajesh, H.M., Santosh, M., and Yoshida, M., 1996, The felsic magmatic province in East Gondwana: implications for Pan-African tectonics: Journal of Southeast Asian Earth Sciences, v. 14, nos. 3-4, p. 275-291.
[ANT] Rowell, A.J., van Schmus, W.R., Storey, B.C., Fetter, A.H., and Evans, K.R., 2001, Latest Neoproterozoic to Mid-Cambrian age for the main deformation phases of the Transantarctic Mountains: new stratigraphic and isotopic constraints from the Pensacola Mountains, Antarctica: Journal of the Geological Society of London, v. 158, p. 295-308.
[ANT] Schmidt, D. L., Williams, P. L., Nelson, W. H., and Ege, J. R., 1965, Upper Precambrian and Paleozoic stratigraphy and structure of the Neptune Range, Antarctica: U.S. Geological Survey Professional Paper 525-D, p. 112-119.
[ANT] Stagg, H.M.J., 1985, The structure and origin of Prydz Bay and Mac Robertson Shelf, East Antarctica: Tectonophysics, v. 114, p. 315-340.
[ANT] Stump, Edmund, 1982, The Ross Supergroup in Queen Maud Mountains, Chapter 70, in Craddock, Campbell, ed., Antarctic Geoscience, Third symposium on Antarctic geology and geophysics: International Union of Geological Sciences Series B, v. 4, p. 565-569.
[ANT] Stüwe, K., and Sandiford, M., 1993, A preliminary model for the 500 Ma event in the East Antarctica Shield, in Findlay, R.H., Unrug, R., Banks, M.R., and Veevers, J.J., eds., International Gondwana Symposium, v. 8, Balkema, Rotterdam, p. 125-130.
[ANT] Wade, F.A., Yeats, V.L., Everett, J.R., Greenlee, D.W., LaPrae, K.E., and Shenk, J.C., 1965, Geology of the Central Portion of the Queen Maud Range, Transantarctic Mountains: Science, v. 150, no. 3705, p. 1808-1809.
[ANT] Yochelson, Ellis L., and Stump, Edmund, 1977, Discovery of Early Cambrian fossils at Taylor Nunatak, Antarctica: Journal of Paleontology, v. 51, no. 4, p. 872-875.

[ANT] Zhao, Y., Liu, X.H., Liu, X.C., and Song, B., 2003, Pan-African events in Prydz Bay, East Antarctica, and their implications for East Gondwana tectonics, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds., Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 231-245.

Australia [AUS]

[AUS] Barovich, K.M., and Foden, J., 2000, A Neoproterozoic flood basalt province in south-central Australia: geochemical and Nd isotope evidence from basin fill: Precambrian Research, v. 100, p. 213-234.

[AUS] Black, L.P., Seymour, D.B., Corbett, K.D., Cox, S.E., Streit, J.E., Blottrill, R.S., Calver, C.R., Everard, J.L., Green, G.R., Mc Clenaghan, M.P., Pemberton, J., Taheri, J., and Turner, N.J., 1997, Dating Tasmania's oldest geologic events: Australian Geological Survey Organization, AGSO Record 1997-15.

[AUS] Blewett, R.S., Black, L.P., Sun, S-S., Knutson, J., Hutton, L.J., and Bain, J.H.C., 1998, U-Pb zircon and Sm-Nd geochronology of the Mesoproterozoic of North Queensland: implications for a Rodinian connection with the Belt supergroup of North America: Precambrian Research, v. 89, p. 101-127.

[AUS] Bruce, M.C., Niu, Y., Harbort, T.A., and Holcome, R.J., 2000, Petrological geochemical and geochronological evidence for a Neoproterozoic ocean basin recorded in the Marlborough terrane of the northern New England fold belt: Australian Journal of Earth Sciences, v. 47, p. 1053-1064.

[AUS] Direen, N.G., and Crawford, A.J., 2003, The Tasman Line: where is it, what is it, and is it Australia's Rodinian breakup boundary?: Australian Journal of Earth Sciences, v. 50, p. 491-502.

[AUS] Embleton, B. J.J., and Williams, G. E., 1986, Low palaeolatitude of deposition for late Precambrian periglacial varvites in South Australia: implications for palaeoclimatology: Earth and Planetary Science Letters, v. 79, p. 419-430.

[AUS] Fanning, C.M., Flint, R.B., Parker, A.J., Ludwig, K.R., and Blissett, A.H., 1988, Refined Proterozoic evolution of the Gawler Craton, South Australia, through U-Pb zircon geochronology: Precambrian Research, vols. 40-41, p. 363-386.

[AUS] Fitzsimons, I.C.W., 2003, Proterozoic basement provinces of southern and southwestern Australia, and their correlation with Antarctica, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds., Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 93-130.

[AUS] Grey, K., and Corkeron, M., 1998, Late Neoproterozoic stromatolites in glacigenic successions of the Kimberley region, Western Australia: evidence for a younger Marinoan glaciation: Precambrian Research, v. 92, p. 65-87.

[AUS] Kennedy, Martin J. 1996, Stratigraphy, sedimentology, and Isotopic geochemistry of Australian Neoproterozoic postglacial cap dolostones: deglaciation 13C excursions, and carbonate precipitations: Journal of Sedimentary Research, v. 66, no. 6, p. 1050-1064.

[AUS] Myers, J. S., Shaw, Russell D., and Tyler, Ian M., 1996, Tectonic evolution of Proterozoic Australia: Tectonics, v. 15, no. 6, p. 1431-1446.

[AUS] Park, John K., Buchan, K. L., and Harlan, Steve S., 1995, A proposed giant radiating dyke swam fragmented by the separation of Laurentia and Australia

based on paleomagnetism of ca. 780 Ma mafic intrusions in western Australia: Earth and Planetary Science Letters, v. 132, p. 129-139.
[AUS] Plumb, K.A., 1985, Subdivision and correlation of Late Precambrian sequences in Australia: Precambrian Research, v. 29, p. 303-329.
[AUS] Powell, C. McA., and Li, Z.X., 1994, Reconstruction of the Panthalassan margin of Gondwanaland, in Veevers, J.J., and Powell, C. McA., eds. Permian-Triassic Pangean Basins and Foldbelts Along the Panthalassan Margin of Gondwanaland: Geological Society of America Memoir 184, p. 5-9.
[AUS] Powell, C. McA., Preiss, W.V., Gatehouse, C.G., Krapez, B., and Li, Z.X., 1994, South Australian record of a Rondinian epicontinental basin and its mid-Neoproterozoic breakup (~ 700 Ma) to form the Palaeo-Pacific Ocean: Tectonophysics, v. 237, p. 113-140.
[AUS] Powell, C. McA., Preiss, W.V., Gatehouse, C.G., Krapez, B., and Li, Z.X., 1994, South Australian record of a Rondinian epicontinental basin and its mid-Neoproterozoic breakup (~ 700 Ma) to form the Palaeo-Pacific Ocean: Tectonophysics, v. 237, p. 113-140.
[AUS] Powell, C.McA., Preiss, W.V., Gatehouse, C.G., Krapez, B, Z.X. Li, 1994, South Australian record of a Rodinian epicontinental basin and its mid-Proterozoic breakup (~700 Ma): Tectonophysics, v. 237, p. 113-140.
[AUS] Preiss, W.V., 2000, The Adelaid Geosyncline of South Australia and its significance in Neoproterozoic continental reconstruction: Precambrian Research, v. 100, p. 21-63.
[AUS] Preiss, W.V., 2000, The Adelaid Geosyncline of South Australia and its significance in Neoproterozoic continental reconstruction: Precambrian Research, v. 100, p. 21-63.
[AUS] Preiss, W.V., and Forbes, B.G., 1981, Stratigraphy, correlation and sedimentary history of Adelaidean (Late Proterozoic) basins in Australia: Precambrian Research, v. 15, p. 255-304.
[AUS] Preiss, W.V., compiler, 1987, The Adelaide Geosyncline Late Proterozoic Stratigraphy, Sedimentation, Palaeontology and Tectonics: Geological Survey of Australia Bulletin 53, 438 p.
[AUS] Preiss, W.V., with contributions from Belperio, A.P., Cowley, W.M., and Rankin, L.R., 1993, Neoproterozoic: Geological Survey of South Australia, Report 54, p. 170-203.
[AUS] Stewart, Alastair J., 1979, A barred-basin marine evaporate in the Upper Proterozoic of the Amadeus Basin, central Australia: Sedimentology, v. 26, p. 33-62.
[AUS] Walter, M.R., and Veevers, J.J., 1997. Australian Neoproterozoic palaeogeography, tectonics, and supercontinental connections: Journal of Australian Geology and Geophysics, v. 17, no. 1, p. 73-92.
[AUS] Walter, M.R., Veevers, J.J., Calver, C.R., and Grey, K., 1995, Neoproterozoic stratigraphy of the Centralian Superbasin, Australia, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 173-195.
[AUS] Williams, G.E., 1998, Late Neoproterozoic periglacial Aeolian sand sheet, Stuart Shelf, South Australia: Australian Journal of Earth Sciences, v. 45, p. 733-741.
[AUS] Wingate, Michael T.D., Campbell, Ian H., Compston, William, and Gibson, George M., 1998, Ion microprobe U-Pb ages for Neoproterozoic basaltic

magmatism in south-central Australia and implications for the breakup of Rodinia: Precambrian Research, v. 87, p. 135-159.
[AUS] Young, Grant M., 1992, Late Proterozoic stratigraphy and the Canada-Australia connection: Geology, v. 20 p. 215-218.
[AUS] Zhao, Jian-xin, McCulloch, Malcolm T., and Korsch, Russell J., 1994, Characterization of a plume-related ~ 800 Ma magmatic event and its implications for basin formation in central-southern Australia: Earth and Planetary Science Letters, v. 121, p. 349-367.

Balitica [(Europe, Britan, Ireland, Eastern European Platform, Ural Mountains) [BAL]

[BAL[Cogné, J., and Slansky, M., 1980, Géologie de l'Europe, du Précambrien aux bassins sédimentaires post-hercyniens: Société Géologique du Nord, 59655 Villeneuve D'ascoq Cedex; Bureau du Recherches Géologiques de Miniéres, 45060 Orleans Cedex, 306 p. [SIBERIA]
[BAL]]Pharaoh, T.C., England, R.W., Verniers, J., and Zela niewicz, A., 1997, Introduction: geological and geophysical studies in the Trans-European Suture Zone: Geological Magazine, v. 134, no. 5, p. 585-590.
[BAL] Andréasson, P.G., 1994, The Baltoscandian Margin in Neoproterozoic–early Palaeozoic times. Some constraints on terrane derivation and accretion in the Arctic Scandinavian Caledonides: Tectonophysics, v. 231, p. 1-32.
[BAL] Beckholmen, Monica, and Glodny, Johannes, 2004, Timanian blueschist-facies metamorphism in the Kvarkush metamorphic basement, Northern Urals, Russia, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 125-134.
[BAL] Belka, Z., Valverde-Vaquero, P., Döre, W., Ahrendt, H., Wemmer, K., Franke, W., and Schäfer, J., 2002, Accretion of first Gondwana-derived terranes at the margin of Baltica, in Winchester, J.A., Pharaoh, T.C., and Verniers, J., eds., Palaeoozoic Amalgamation of Central Europe: Geological Society of London, Special Publications no. 201, p. 19-36.
[BAL] Bockelie, J.F., and Nystuen, J. P., 1985, The southeastern part of the Scandinavian Caledonides, in D.G. Gee and Sturt, B.A., 1985,
[BAL] Bogdanova, S.V., Johansson A., Kheraskova, T.N., Pease, V., Puchkov, V.N., 2003, The Meso-to Neoproterozoic evolution of the East European craton: Geological Society of America Abstracts with Programs, v. 35, p. 343.
[BAL] Bogolepova, O.K., and Gee, D.G., 2004, Early Palaeozoic unconformity across the Timanides, NW Russia, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 145-157.
[BAL] Bula, Zbigniew, Jachowicz, Monika, and Zaba, Jerzy, 1997, Principal characteristics of the Upper Silesian Block and Malopolska Block border zone (southern Poland): Geological Magazine, v. 134, no. 5, p. 669-677.
[BAL] Celâl Sengör, A.M., and Yilmaz, Yücel, 1981, Tethyan evolution of Turkey: A plate tectonic approach: Tectonophysics, v. 75, p. 181-241.
[BAL] Dadlez, R., 2000, Pomeranian Caledonides (NW Poland), fifty years of controversies: a review and a new concept: Geological Quarterly, v. 44, p. 221-236.

[BAL] De la Rosa, J.D., Jenner, G.A., Castro, A., 2002, A study of inherited zircons in granitoid rocks from the south Portuguese and Ossa-Morena zones, Iberian Massif: support for the exotic origin of the south Portuguese zone: Tectonophysics, v. 352, p. 245-256.
[BAL] Dovzhikova, E., Pease, V., and Dimitry R., 2004, Neoproterozoic island arc magmatism beneath the Pechora basin, NW Russia; GFF, v. 126, p. 353-362.
[BAL] Duff, P.M.D. and Smith, A.J., 1992; Geology of England and Wales: Geological Society, London, United Kingdom, 651 p.
[BAL] Føyn, 1985, The Late Precambrian in northern Scadinavia, in D.G. Gee and B. A.Sturt, The Caledonian Orogen—Scandinavia and related areas: John Willey and Sons.
[BAL] Garetskiy, R.G., 1982, Main features of the tectonics of Belorussia and the Baltic region: Geotectonics, v. 16, p. 466-475.
[BAL] Gee, D.G., The Barentsian Caledonide: Death of the High Arctic Barents Craton, in M. Smelror, and T. Brugge., eds. Artic Geology, Hydrocabon Resources and Environmental Challenges, Abstracts and Prodeedings of the Geological Society of Norway, v. 2, p. 48-29.
[BAL] Glasmacher, U.A., Bauer, W., Giese, W., Reynolds, P., Kober, B., Puchkov, V., Stroink, L., Alekseyev, A., and Willner, A.P., 2001, The metamorphic complex of Beloretzk, SW Urals, Russia—a terrane with a polyphase Meso- to Neoproterozoic thermo-dynamic evolution: Precambrian Research, v. 110, p. 185-213.
[BAL] Glodny, J., Pease, V., Montero, P., Austrheim, H., and Rusin, A.I., 2004, Protolith ages of eclogites, Marun-Keu Complex, Polar Urals, Russia: implications for the pre- and early Uralian evolution of the northeastern European continental margin, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 87-105.
[BAL] Greiling, R.O., Jenson, S., Smith, A. G., 1999, Vendian-Cambrian subsidence of the passive margin of west Baltica: application of new stratigraphc data from the Scandinavian Caledonian margin: Norsk Geologisk Tidsskrift, v. 79, no. 3, p. 133-144.
[BAL] Gutiérrez-Alonso, G., Fernández-Suáez, J., Collins, A.S., 2005, Amazonian Mesoproterozoic basement in the core of the Ibero-Armorian arc: 40 Ar/39Ar detrital mica ages complement the zircon's tale: Geology, v. 33, p. 637-640.
[BAL] Hambrey, M.J., Fairchild, I.J., Glover, B.W., Stewart, A.D., Treagus, J.E., and Winchster, J.A., 1991, The Late Precambrian geology of the Scottish Highlands and Islands, in Lister, C.J., ed., Geologists' Association Guides, v. 44, 130 p.
[BAL] Ivanov, S.N., Krasnobayev, A.A. and Rusin, A.I., 1986, Geodynamic regimes in the Precambrian of the Urals: Precambrian Research, v. 33, p. 189-208.
[BAL] Julivert, M., Martinez, F.J., and Ribeiro, A., 1980, The Iberian segment of the European hercynian foldbelt, in Cogné, J., and Slansky, M., Géologie de l'Europe, du Précambrien aux bassins sédimentaires post-hercyniens: Société Géologique du Nord, 59655 Villeneuve D'ascoq Cedex; Bureau du Recherches Géologiques de Miniéres, 45060 Orleans Cedex, p.133-158.
[BAL] Keay, Sue, and Lister, Gordon, 2002, African provenance for the metasediments and metaigneous rocks of the Cyclades, Aegean Sea, Greece: Geology, v. 30, no. 3, p. 235-238.

[BAL] Kelling, G., Philips, W.E.A., Harris, A.L., and Howells, M.R.,1985, The Caledonides of the Bristish Iles: a review and appraisal in Gee, D.G.and and Sturt, B.A., eds Caledonides of the British Isles: a review and appraisal., Caledonite orogeny—Scandinavia and related areas: John Wiley and Sons Ltd., p. 1125-1145.

[BAL] Korago, E. A., Kovaleva, G. N., Lopatin, Boris G., and Orgo, V. V., 2004, The Precambrian rocks of Novaya Zemlya, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 135-143.

[BAL] Krolikowski, C., 2006, Crustal-scale complexity of the contact zone between the Palaeozoic platform and the East European Craton in the NW Poland: Geological Quarterly

[BAL] Kröner, A., and Sengör, A.M.C., 1990, Archean and Proterozoic ancestry in late Precambrian to early Paleozoic crustal elements of southern Turkey as revealed by single-zircon dating: Geology, v. 18, no. 12, p. 1186-1190.

[BAL] Kumpulainen, R., and Nystuen, J.P., 1985, Late Proterozoic basin evolution and sedimentation in the westernmost part of Baltoscandia, in D.G. Gee and B.A. Sturt, B. A. eds., The Caledonide Orogen—Scandinavian and related areas: Wiley, Chichester, p. 331-338.

[BAL] Makhnach, A.S., Veretennikov, N.V. and Shkuratov, V.I., 1986, Vendian rocks of the western part of the East European Platform: stratotypic range, boundaries and principles of their establishment: Geological Magazine, v. 123, no. 4, p. 349-356.

[BAL] Maslov, A.V., Erdtmann, B.-D., Ivanov, K.S., Ivanov, S.N., and Krupenin, M.T., 1997, The main tectonic events, depositional history, and the palaeogeography of the southern Urals during the Riphean–early Palaeozoic: Tectonophysics, v. 276, p. 313-335.

[BAL] Maslov, Andrey V., 2004, Riphean and Vendian sedimentary sequences of the Timanides and Uralides, the eastern periphery of the East European Craton, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 19-35.

[BAL] McCay, G.A., Prave, A.R., Alsop, G.I., and Fallick, A.E., 2006, Glacial trinity, Neoproterozoic Earth history within the British Caledonides: Geology, v. 34, p. 909-

[BAL] Moczydlowska, A, 1997, Proterozoic and Cambrian successions in Upper Silesia: An Avalonian terrane in southern Poland: Geological Magazine, v. 134, p. 679-689.

[BAL] Moczydlowska, M., 1997, Proterozoic and Cambrian successions in Upper Silesia: and Avalonian terrane in southern Poland: Geological Magazine, v. 134, no. 5, p. 679-689.

[BAL] Nikishin, A.M., Ziegler, P.A., Stephenson, R.A., Cloetingh, S.A.P.L., Furne, A.V., Fokin, P.A., Ershov, A.V., Bolotov, S.N., Korotaev, M.V., Alekseev, A.S., Gorbachev, V.I., Shipilov, E.V., Lankreijer, A., Bembinova, E. Yu., and Shalimov, I.V., 1996, Late Precambrian to Triassic history of the East European Craton: dynamics of sedimentary basin evolutions: Tectonophysics, v. 268, p. 23-63.

[BAL] Paulsson, Oskar, and Andréasson, Per-Gunnar, 2002, Attempted break-up of Rodinia at 850 Ma: geochronological evidence from the Seve–Kalak

Superterrane, Scandinavian Caleodonides: Journal of the Geological Society of London, v. 159, p. 751-761.
[BAL] Remizov, D., and Pease, V., 2004, The Dzela complex, Polar Urals, Russia: a Neoproterozoic island arc, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 107-123.
[BAL] Pease, V., Dovzhikova, E., Beliakova, L, and Gee, D.G. 2004, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 75-85.
[BAL] Pease, V., Dovzhikova, E., Beliakova, L., and Gee, D.G., 2004, Late Neoproterozoic granitoid magmatism in the basement to the Pechora Basin, NW Russia: geochemical constraints indicate westward subduction beneath NE Baltica, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 75-85.
[BAL] Pharaoh, T.C., 1999, Palaezoic terranes and their lithospheric boundaries within the Trans-European Suture Zone (TEST): a review: Tectonophysics,v. 314, p. 17-41.
[BAL] Pickering, K.T., 1982; A Precambrian upper basin-slope and prodelta in northeast Finmark, north Norway—a possible anciant upper continental slope: Journal of Petrology, v. 52, p. 171-182.
[BAL] Pin, C., Liñám. E., Pascual, E., Donaire, T. and Valenzuela, A., 2002, late Neoproterozoic crustal growth in the European Variscides: Nd isotope and geochemical evidence from the Sierra de Córdoba andesites (Osso-Morena zone, southern Spain: Techtonophysics, v. 352, p. 133-151.
[BAL] Piper, J.D.A., 1985, Continental movements and breakup in Late Precambrian – Cambrian times: prelude to Caledonian orogenesis: in Gee, D.G., and Sturt, B.A., eds., Caledonite orogeny—Scandinavia and related areas, John Wiley and Sons Ltd., p. 1125-1145.
[BAL] Poprawa, P, Siliaupa, S., Stephenson, R., and Lazauskiene, J., 1999, Late Vendian—Early Paleozoic tectonic evolution of the Baltic Basin: regional tectonic implications from subsidence analysis, tectonophysics, v. 314, p. 219-239.
[BAL] Poprawa, P., Sliaupa, S., Stephenson, R., and Lazauskiene, J., 1999, Late Vendian–Early Palaeozoic tectonic evolution of the Baltic Basin: regional tectonic implications from subsidence analysis: Tectonophysics, v. 314, p. 219-239.
[BAL] Puchkov, V.N., 1997, Tectonics of the Urals: Modern Concepts: Geotectonics, v. 31, no. 4, p. 294-312.
[BAL] Roberts, D., and Siedlecka, A., 2002, Timanian orogenic deformation along the northeastern margin of Baltica, Northwest Russia and Northeast Norway, and Avalonian—Cadomian connections: Tectonophysics, v. 352, p. 169-184.
[BAL] Roberts, D., Siedlecka, A. and Olovyanishnikov, V.G., 2004, Neoproterozoic, passive-margin, sedimentary systems of the Kanin Peninsula, and northern and central Timan, NW Russia, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 5-17.
[BAL] Savov, Ivan, Ryan, Jeff, Haydoutov, Ivan, and Schijf, Johan, 2001, Late Precambrian Balkan-Carpathian ophiolite—a slice of the Pan-African ocean

crust?: geochemical and tectonic insights from the Tcherni Vrah and Deli Jovan massifs, Bulgaria and Serbia: Journal of Volcanology and Geothermal Research, v. 110, p. 299-318.

[BAL] Scarrow, J.H., Pease, V., Fleutelot, C., and Dushin, V., 2001, The late Neoproterozoic Enganepe ophiolite, Polar Urals, Russia: An extension of the Cadomian arc?: Precambrian Research, v. 110, p. 255-275.

[BAL] Sengör, A.M.C., Satir, Muharrem, and Akkök, Remzi, 1984, Timing of tectonic events in the Menderes Massif, western Turkey: Implications for tectonic evolution and evidence for Pan-African basement in Turkey: Tectonics, v. 3, no. 7, p. 693-707.

[BAL] Sengör, A.M.C., Yilmas, Y., and Sungurlu, O., 1984, Tectonics of the Mediterranean Cimmerides: nature evolution of the western termination of Palaeo-Tethys, in Dixon, J.E., and Robertson, A.H.F., eds., The geological evolution of the eastern Mediterranean: Geological Society of London Special Publication v. 17, p. 77-112.

[BAL] Siedlecka, A., Pickering, K.T., and Edwards, M.B., 1989, Upper Proterozoic passive margin deltaic complex, Finnark, N.Norway, in M.K. Whateley, and K.T. Pickering, eds., Deltas: Sites and Traps for Fossil Fuels: Geological Society Special Paper 41, p. 205-209.

[BAL] Siedlecka, Anna, Roberts, D., Nystuen, J.P., and Olovyanishnikov, V.G., 2004, Northeastern and northwestern margins of Baltica in Neoproterozoic time: evidence from the Timanian and Caledonian Orogens, in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoirs 30, p. 169-190.

[BAL] Stachan, R.A. and Holdsworth, R.E., 2000, Proterozoic sedimentation, orogenesis and magmatism on the Lurentian craton (2500-750 Ma):chapter 4, ,in Geologic history of Britan and Ireland: Woodcock, N. and Strachan eds., Blackwell Science, London, p52-72.

[BAL] Stewart, A.D., 1975, "Torridonian" rocks of western Scotland, in Harris, Anthony Leondard, Shackleton, Robert M., Watson, Janet, Downie, Charles, Harland, W.B., and Moorbath, Stephen, eds., A correlation of the Precambrian rocks in the British Isles: Geological Society of London Special Publications, no. 6, p. 43-57.

[BAL] Stewart, A.D., 1982, Late Precambrian rifting in NW Scotland: the genesis of the "Torridonian": Journal of Geological Society of London Journal, v. 139, p. 413-419.

[BAL] Stewart, A.D., 1988, The Steat and Torridon groups , in Winchester, J.A., ed., Later Proterozoic stratigraphy of the north Atlantic regions: Blackie, Glasgow, p. 104-114.

[BAL] Stewart, A.D., 1988, The Steat and Torridon groups , in Winchester, J.A., ed., Later Proterozoic stratigraphy of the north Atlantic regions: Blackie, Glasgow, p. 104-114.

[BAL] Strachan, R A. and Holdsworth, R.E., 2000, Proterozoic sedimentation, orogenic and magmatism on the Laurentian craton, in Woodcock, N., and Strachan, R., eds., Geologic history of Britain and Ireland: Blackwell Science, p.52 72.

[BAL] Strachan, R.A. and Holdsworth, R. E., 2000, Late Proterozoic (<750 Ma) to Early Ordovician passive margin sedimentation along the Laurentian margin of Iapetus, in Woodcock, N. and Strachan Geologic history of Britan and Ireland: eds. Blackwell Science, London, p. 73-87..

[BAL] Strauss, Harald, Vidal, Gonzalo, Moczydlowska, Malgorzata, and Paczesna, 1997, Carbon isotope geochemistry and palaeontology of Neoproterozoic to early Cambrian siliciclastic successions in the East European Platform, Poland: Geological Magazine, v. 134, no. 1, p. 1-16.
[BAL] Svenningsen, O.M., 2001, Onset of seafloor spreading in the Iapetus Ocean at 608 Ma: precise age of the Sarek Dyke Swarm, northern Swedish Caledonides: Precambrian Research, v. 110, p. 241-254.
[BAL] Valladares, M.I., Ugidos, J.M., Barba, P. Colmenero, J.R., 2002, Contrasting geochemical features of the central Iberian zone shales (Iberian Massif, Spain); Implications for the evolution of Neoproterozoic-Lower Cambrian sediments and their sources in other peri-Gondwanan areas: Tectonophysics, v. 352, nos. 1-2, p. 121-132.
[BAL] Vernikovsky, V.A., and Vernikovskaya, A.E., Pease, V.L., and Gee, D.G., 2004, Neoproterzoic orogeny along the margins of Siberia. in Gee, D.G., and Pease, V., eds., The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoir 30, p.
[BAL] Vidal, Gonzalo, Moczydlowska, Malgorzata, 1995, The Neoproterozoic of Baltica—stratigraphy, palaeobiology and general geological evolution, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 197-216.
[BAL] Willnere, A.P., Ermolaeva, T., Strooink, L., Glasmacher, U.A., Giese, U., Puchkov, V.N., Kozlov, V.I., and Walter, R., 2001, Contrasting provenance signals in Riphean and Vendian sandstones in the SW Urals (Russia): constraints for a change from passive to active continental margin conditions in the Neoproterozoic: Precambrian Research, v. 110, p. 215-239.
[BAL] Winchester, J.A., Pharaoh, T.C., and Verniers, J., 2002, Paleozoic amalgamation of Central Europe: an introduction and synthesis of new results from recent geological and geophysical investigations, in Winchester, J.A., Pharaoh, T.C., and Verniers, J., eds., Palaeozoic Amalgamation of Central Europe: Geological Society of London, Special Publications no. 201, p. 1-18.
[BAL] Zbigniew Bula, Monika Jachowicz, and Jerzy Zaba, 1997, Principle characteristics of the Upper Silesian Block and Malopolska block border zone (southern Poland): Geological Magazine, v. 134, p. 669-677.
[BAL] Zelazniewicz, A., 1997, The Sudetes as a Paleozoic orogen in central Europe: Geological Magazine, v. 134, no. 5, p. 691-702.

Cadomian, Avalonian and related rocks (widely dispersed magmatic arc rocks, primarily in Europe and North America [CAD]

[CAD] Bandres, A., Eguíluz, L., Ibarguchi, J.I. Gil, and Palacios, T., 2002, Geodynamics evolution of a Cadomian arc region: the northern Ossa-Morena zone, Iberian massif: Tectonophysics, v. 352, p. 105-120.
[CAD] Barr, S. M., and White, C. E., 1996, Contrast in Late Precambrian-early Paleozoic tectonothermal history between Avalon composite terrane sensu stricto and other possible peri-Gondwanan terranes in southern New Brunswick and Cape Breton Island, Canada, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 95-108.

[CAD] Cogné, J., and Wright, A.E., 1980, L'Orogene cadomien, in Cogné, J., and Slansky, M., Géologie de l'Europe, du Précambrien aux bassins sédimentaires post-hercyniens: Société Géologique du Nord, 59655 Villeneuve D'ascoq Cedex; Bureau du Recherches Géologiques de Miniéres, 45060 Orleans Cedex, p. 29-55.
[CAD] Cogné, J., and Wright, A.E., 1980, L'Orogene cadomien, in Cogné, J., and Slansky, M., Géologie de l'Europe, du Précambrien aux bassins sédimentaires post-hercyniens: Société Géologique du Nord, 59655 Villeneuve D'ascoq Cedex; Bureau du Recherches Géologiques de Miniéres, 45060 Orleans Cedex, p. 29-55.
[CAD] Cymerman, Z., Piasecki, M.A.J., and Seston, R., 1997, Terranes and terrane boundaries in the Sudetes, northeast Bohemian Massif: Geological Magazine, v. 134, no. 5, p. 717-725.
[CAD] Dallmeyer, R.D., Franke, W., and Weber, K., eds., 1995, Pre-Permian Geology of Central and Eastern Europe: Springer-Verlag, Berlin, 604 p.
[CAD] Dennis, A. J., and Shervais, J. W., 1996, The Carolina terrane in northwestern South Carolina: Insights into the development of an evolving island arc, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 237-256.
[CAD] Dennis, A. J., Shervais, John W., M., Joshua, Maher, Harmon D., Jr., and Wright, J. E., 2004, Petrology and geochemistry of Neoproterozoic volcanic arc terranes beneath the Atlantic Coastal Plain, Savannah River Site, South Carolina: Geological Society of America, Bulletin, v. 116, nos. 5-6, p. 572-593.
[CAD] Dörr, W., Zulauf, G., Fiala, J., Franke, W., and Vejnar, Z., 2002, Neoproterozoic to Early Cambrian history of an active plate margin in the Teplá–Brrandian unit—a correlation of U-Pb isotopic-dilution-TIMS ages (Bohemia, Czech Republic): Tectonophysics, v. 352, p. 65-85.
[CAD] Dupret, L., Dissler, E., Doré, F., Gresselin, F., and Le Gall, J., 1990, Cadomian geodynamic evolution of the northeastern Armorican Massif (Normandy and Maine), in D'Lemos, R.S., Strachan, R.A., and Topley, C.G., eds., The Cadomian Orogeny: Geological Society of London, Special Publications no. 51, p. 115-131.
[CAD] Dupret, L., Dissler, E., Doré, Gresslin, F., and Le Gall, J., 1990, in D'Lemos, Strachan, R.A., and Topley, C.G., eds., The Cadomian orogeny: Geological Society of London, Special Publications, no. 51, p. 115-131.
[CAD] Egal, E., Guerrot, C., Le Goff, E., Thiéblemont, D., and Chantraine, J., 1996, The Cadomian orogeny revisited in northern Brittany (France), in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 281-318.
[CAD] Eguiluz, Luis, Murphy, J. B., and Zulauf, Gernold, eds., 2002, Massifs and Correlations across the Cadomo-Avalonian Orogens – Special Issue: Tectonophysics, v. 352, nos. 1-2, 256 p.
[CAD] Gibbons, Wes, and Horák, J. M., 1996, The evolution of the Neoproterozoic Avalonian subduction system: Evidence from the British Isles, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 269-280.

[CAD] Giese, U., Katgzung, G., Walter, R., and Weber, J., 1997, The Caledonian deformation of the Brabant Massif and the Early Palaeozoic in northeast Germany: compared: Geological Magazine, v. 134, no. 5, p. 637-652.
[CAD] Heatherington, A.L., Mueller, P.A., and Nutman, A.P., 1996, Neoproterozoic magmatism in the Suwannee terrane: Implications for terrane correlation, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 257-268.
[CAD] Hibbard, J.P., Miller, B.V., Tracy, B.J., and Carter, B.T., 2005, The Appalachian peri-Gondwanan realm: A.P.M. Vaughan, P.T. Leat, and R.J. Rankhurst eds., Terrane processes at the margins of Gondwana: Geological Society, London, Special Publications, v. 146, p. 97-111.
[CAD] Hibbard, J.P., Miller, B.V., Tracy, R.J., and Carter, B.T., 2005, The Appalachian peri-Gondwana realms: a palaeogeographiical perspective from the south, in Vaughan, A.P.M., Leat, P.T., and Pankhurst, R.J, eds., Terrane processes at the margins of Gondwana: Geological Society, London, Special Publications, v. 246, p. 97-111.
[CAD] Inglis, J.D., Samson, S.D., D'Lemos, R.S., and Miller, B.V., 2005b, Timing of Cadomian deformation and magmatism within La Hague, NW France: Journal of Geological Society, London, v. 162, p. 389-400.
[CAD] Johnson, Susan C., and McLeod, Malcolm J., 1996, The New River Belt: A unique segment along the western margin of the Avalon composite terrane, southern New Brunswick, Canada, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 149-164.
[CAD] Keppie, J. Duncan, Dostal, J., Murphy, J. B., and Nance, R. D., 1996, Terrane transfer between eastern Laurentia and western Gondwana in the early Paleozoic: Constraints on global reconstructions, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 369-380.
[CAD] Keppie, J.D., Nance, R.D., and Murphy, J.B., and Dostal, J., 1991, Northern Appalachians: Avalon and Meguma terranes, in Dallmeyer, R.D., and Léconché, J.P., eds., The west African orogens and circum-Atlantic correlatives: Berlin, Springer-Verlap, p. 315-333.
[CAD] Keppie, J.D., Nance, R.D., Murphy, J.Brendan, and Dostal, J., 2003, Tethyan, Mediteranian, and Pacific analogues for the Neoproterozoic terranes and their transfer to Laurentia and Laurussia: Tectonophysics, v. 395-219.
[CAD] Landing, Ed, 1996, Avalon: Insular continent by the latest Precambrian, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 29-63.
[CAD] Liégeois, J.P., Berza, T., Tatu, M., and Duchesne, J.C., 1996, The Neoproterozoic Pan-African basement from the Alpine Lower Danubian nappe system (South Carpathians, Romania): Precambrian Research, v. 80, p. 281-301.

[CAD] Linnemann, U.-G., 1995, The Neoproterozoic terranes of Saxony (Germany), in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 235-250.
[CAD] Linnemann, Ulf, and Romer, Rolf L., 2002, The Cadomian Orogeny in Saxo-Thuringia, Germany: geochemical and Nd-Sr-Pb isotopic characterization of marginal basins with constraints to geotectonic setting and provenance: Tectonophysics, v. 352, p. 33-64.
[CAD] Loizenbauer, J., Wallbrecher, E., Fritz, H., Neumayr, P., Khudeir, A.A., and Kloetzli, U., 2001, Structural geology, single zircon ages and fluid inclusion studies of the Meatiq metamorphic core complex: Implications for Neoproterozoic tectonics in the Eastern Desert of Egypt: Precambrian Research, v. 110, p. 357-383.
[CAD] Mancuso, C.I., Gates, A.E., and Puffer, J.H., 1996, Geochemical and petrologic evidence of Avalonian arc to rift transition from granitoids in southeastern Rhode Island, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 193-206.
[CAD] McNamara, A. K., Mac Niocaill, Conall, van der Pluijm, Ben, and Vand der Voo, Rob, 2001, West Africa proximity of the Avalon terrane in the latest Precambrian: Geological Society of America Bulletin, v. 113, no. 9, p. 1161-1170.
[CAD] Mueller, P. A., Kozuch, Marianne, Heatherington, A. L., Wooden, J. L, Offield, T. W., Koeppen, R. P., Klein, T. L., and Nutman, A. P., 1996, Evidence for Mesoproterozoic basement in the Carolina terrane and speculations on its origin, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 207-217.
[CAD] Mueller, P.A., Heatherington, A.L., Wooden, J.L., Shuster, R.D., Nutman, A.P., and Williams I.S., 1994, Precambrian zircons from the Florida basement: a Gondwana connection: Geolo;gy, v. 22, p. 119-122.
[CAD] Murphy, J., and Nance, R. D., 1989, Model for the evolution of the Avalonian-Cadomian belt: Geology, v. 17, p. 735-738.
[CAD] Murphy, J. B., Dostal Jaroslav, Nance, R. D., and Keppie, J. D., 2004, Neoproterozoic juvenile crust development in the peri-Rodinian ocean: Implications for Grenvillian orogenesis, in Tollo, R.P., Corriveau, L., McLelland, J., and Bartholomew, M.J., eds., Proterozoic tectonic evolution of the Grenville orogen in North America: Geological Society of America Memoir197, p. 135-144.
[CAD] Murphy, J. B., Eguiluz, Luis, and Zulauf, Gernold, 2002, Cadomian Orogens, peri-Gondwana correlatives and Laurentia–Baltica connections: Tectonophysics, v. 352, p. 1-9.
[CAD] Murphy, J. B., Nance, R. , and, J. D., 2002, Discussion and reply: West Africa proximity of the Avalon terrane in the latest Precambrian: Geological Society of America Bulletin, v. 114, no. 8, p. 1049-1052.
[CAD] Murphy, J.B., Keppie, J.D., Dostal, J., and Cousens, B.L., 1996, Repeated late Neoproterozoic-Silurian lower crustal melting beneath the Antigonish Highlands, Nova Scotia: Nd isotopic evidence and tectonic interpretations, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-

Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 109-120.
[CAD] Murphy, J.B., Keppie, J.D., Dostal, J., and Cousens, B.L., 1996, Repeated late Neoproterozoic-Silurian lower crustal melting beneath the Antigonish Highlands, Nova Scotia: Nd isotopic evidence and tectonic interpretations, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 109-120.
[CAD] Murphy, J.B., Strachan, R.A., Nance, R.D., Parker, K.D., Fowler, M.B., 2000, Proto-Avalonian: a 1.2-1.0 Ma tectonothermal event and constraints for the evolution of Rodinia: Geology, v. 28, p. 1071-1074.
[CAD] Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, 390 p.
[CAD] Nance, R. D., and Murphy, J. B., 1996, Basement isotopic signatures and Neoproterozoic paleogeography of Avalonian-Cadomian and related terranes in the circum-North Atlantic, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 333-346.
[CAD] Nance, R. D., and Thompson, M. D., 1996, Avalonian and related peri-Gondwanan terranes of the circum-North Atlantic, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 1-7.
[CAD] Nance, R.D., aand Murphy, J.B., 1994, Contrasting isotropic signitures and the palinspastic restoration of peripheral orogens: examples from the Neoproterozoic Avalonian-Cadomain belt: Geology, v. 22, p. 617-620
[CAD] Nance, R.D., Murphy, J.B., and Keppie, J.D., 2002, A Cordilleran model for the evolution of Avalonia: Techtonophsics v. 352.p. 11-31.
[CAD] Nance, R.D., Murphy, J.B., Strachan, R.A., D'Lemos, R.S., and Hefferan, K., 1991, Late Proterozoic tectonostratigraphic evolution of the Avalonian and Cadomian terranes, in Stern, R.J., and Van Schmus, W.R., eds., Crustal Evolution in the Late Proterozoic—Special Issue: Precambrian Research, v. 53, p. 41-78.
[CAD] Neubauer, Franz, 2002, Evolution of late Neoproterozoic to early Paleozoic tectonic elements in Central and Southeast European Alpine mountain belts: review and synthesis: Tectonophysics, v. 352, p. 87-103.
[CAD] O'Brien, S.J., O'Brien, B.H., Dunning, G.R., and Tucker, R.D., 1996, Late Neoproterozoic Avalonian and related peri-Gondwanan rocks of the Newfoundland Appalachians, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 9-28.
[CAD] Pe-Piper, Georgia, Piper, J.W., and Koukouvelas, Ioannis, 1996, Precambrian plutons of the Cobequid Highlands, Nova Scotia, Canada, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 121-132.
[CAD] Quesada, Cecilio, 1990, Precambrian successions in SW Iberia: their relationship to 'Cadomian' orogenic events, in D'Lemos, R.S., Strachan, R.A.,

and Topley, C.G., eds., The Cadomian Orogeny: Geological Society of London, Special Publications no. 51, p. 353-362.
[CAD] Rabu, D., Chantraine, J., Chauvel, J..J., Denis, E., Balé, P., and Bardy, Ph., 1990, The Brioverian (Upper Proterozoic) and the Cadomian orogeny in the Armorican Massif, in D'Lemos, R.S., Strachan, R.A., and Topley, C.G., eds., The Cadomian Orogeny: Geological Society of London, Special Publications no. 51, p. 81-94.
[CAD] Rabu, D., Thiéblemont, Tegyey, M., Guerrot, C., Alsac, C., Chauvel, J.-J., Murphy, J.B., and Keppie, J.D., 1996, Late Proterozoic to Paleozoic evolution of the St. Pierre and Miquelon islands: A new piece in the Avalonian puzzle of the Canadian Appalachians, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 65-94.
[CAD] Schreckengost, Keith A., and Nance, R. D., 1996, Silurian-Devonian dextral reactivation near the inboard margin of the Avalon composite terrane: Kinematic evidence from the Kingston complex, southern New Brunswick, Canada, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 165-178.
[CAD] Shervais, J. W., Shelley, S. A., and Secor, D. T., Jr., 1996, Geochemistry of volcanic rocks of the Carolina and Augusta terranes in central South Carolina: An exotic rifted volcanic arc?,in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 219-236.
[CAD] Stracham. R.A., 2000, Late Neoproterozoic to Cambrian accretionary history of Eastern Avalona and Amorica on the active margin of Gondwana, in Geologic history of Britan and Ireland: Woodcock, N. and Strachan R.A/ eds., Blackwell Science London, p127-140.
[CAD] Strachan, R.A., D'Lemos, R.S., and Dallmeyer, R.D., 1996, Neoproterozoic evolution of an active plate margin: North America Massif, France, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 319-332.
[CAD] Strachan, R.A., Late Neoproterozoic to Cambrian accretionary history of eastern Avalonia and Armoria on the active margin of Gondwana, , in Woodcock, N., and Strachan, R., eds., Geologic history of Britain and Ireland: Blackwell Science, p.127-140.
[CAD] Thompson, M.D., Hermes, O.D., Bowring, S.A., Isachsen, C.E., Besancon, J.R., and Kelly, K.L., 1996, Tectonostratigraphic implications of Late Proterozoic U-Pb zircon ages in the Avalon Zone of southeastern New England, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 179-191.
[CAD] Ustaömer, Ayda P., Mundil, Roland, and Renne, P. R., 2005, U-Pb and Pb-Pb zircon ages for arc-related intrusions of the Bolu Massif (W Pontides, NW Turkey): evidence for Late Precambrian (Cadomian) age: Terra Nova, 17, p. 215-223.
[CAD] Van Staal, C. R., Sullivan, R. W., and Whalen, J. B., 1996, Provenance and tectonic history of the Gander Zone in the Caledonian–Appalachian orogen:

Implications for the origin and assembly of Avalon, in Nance, R. Damian, and Thompson, Margaret D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 347-367.

[CAD] White, Chris E., and Barr, Sandra M., 1996, Geology of the Brookville terrane, southern New Brunswick, Canada, in Nance, R. D., and Thompson, M. D., eds., 1996, Avalonian and Related Peri-Gondwanan Terranes of the Circum-North Atlantic: Geological Society of America, Special Paper 304, p. 133-147.

[CAD] Wortman, G. L., Samson, S. D., and Hibbard, J. P., 2000, Precise U-Pb Zircon Constraints: on the Earliest Magmatic History of the Carolina Terrane: The Journal of Geology, v. 108, p. 321-338.

Central Asia [CAS]

CAS] Buchan, Craig, Pfänder, Jörge, Kröner, Alfred, Brewer, T. S., Tomurtogoo, Onongin, Tomurhuu, Dondov, Cunningham, Dickson, and Windley, B. F., 2002, Timing of accretion and collisional deformation in the Central Asian Orogenic Belt: implications of granite geochronology in the Bayankhongor Ophiolite Zone: Chemical Geology, v. 192, p. 23-45.

[CAS] Buslov, M.M., Watanabe, I.Y., Saphonova, I.Y, Iwata, K., Travin, A, and Akiyama, M.K., 2002, A Vendian-Cambrian Island Arc System of the Siberian Continent in Gory Altai (Russia, Central Asia): Gondwana Research, v. 5, no. 4, p. 781-800.

[CAS] Cook, H.E., and Zhemchuzhnikov, V.G., Buvtyshkin, V.M., Gulub, L.Y., Gatovsky, Y.A., Zorin, A.Y., 1994, Devonian and Carboniferous passive margin carbonate platform of southern Kazakhstan: Summary of depositional and stratigraphic models to assist in the exploration and production of coeval giant carbonate platform oil and gas fields in the northern Caspian basin, western Kazakhstan in A.F. Embry and B. Beauchamp, and Glass, D.J., eds. Pangea: Global environments and resourses, Canadian Society of of Petroleum Geologists, Memoir 17, p. 363-371.

[CAS] Dobretsov, N.L., Buslov, M.M., and Vernikovsky, V.A., 2003, Neoproterozoic to Early Ordovician evolution of the Paleo-Asian Ocean: Implications to the break-up of Rodinia: Gondwana Research., v. 6, p. 143-159.

[CAS] Hutchinson, Charles S., 1989, Geological Evolution of South-East Asia: Oxford University Press, Oxford, 368 p.

[CAS] Khain, E.V., Bibikova, E.V., Salnikova, E.B., Kröner, A., Gibsher, A.S., Didenko, A.N., Degtyarev, K.E., and Fedotova, A.A., 2003, The Palaeo-Asian ocean in the Neoproterozoic and early Palaeozoic: new geochronologic data and palaeotectonic reconstructions: Precambrian Research, v. 122, p. 329-358.

[CAS] Khomentovsky, V.V, and Gibsher, A.S., 1996, The Neoproterozoic-Lower Cambrian in northern Govi-Altay, western Mongolia: regional setting, lithostratigaphy and biostatigraphy: Geology Magazine, v. 133, pl 371-390..

[CAS] Kovach, V.P., Jian, Ping, Yarmolyuk, V.V., Kozakov, I.K., Liu, Dunyii, Terent'eva, L.B., Lebedev, V.I., and Kovalenko, V.I., 2005, Magmatism and Geodynamics of Early Stage of the Paleoasian Ocean Formation: Geochronological and Geochemical data on Ophiolites of the Bayan-Khonor

Zone: Doklady Earth Sciences, v. 404, no. 7, p. 1072-1077, translated from Doklady Akademii Nauk, v. 404, no. 2, p. 229-234.
[CAS] Kovalenko, V.I., Yarmolyuk, V.V., Kovach, V.P., Kotov, A.B., Kozakov, I.K., Salnikova, E.G., and Larin, A.M., 2004, Isotopic provinces, mechanisms of generation and sources of the continental crust in the Central Asian mobile belt: Geological and isotopic evidence: Journal of Asian Earth Sciences, v. 23, p. 605-627.
[CAS] Kuzmichev, A., Kröner, A., Hegner, E., Dunyi, L., and Yusheny, W., The Shishkhid ophiolite, norethern Mongolia: A key to the reconstruction of a Noeprotrozsoic island-arc system in central Asia: Precambrian Research, v. 138, p. 125-150.
[CAS] Li, Z.X., 1998, Tectonic history of the major East Asian lithospheric blocks since the Mid-Proterozoic—A synthesis, in Flower, Martin F.J., Chung, Sun-Lin, Lo, Ching-Hua, and Lee, Tung-Yi, eds., Mantle Dynamics and Plate Interactions in East Asia: American Geophysical Union Geodynamics Series, v. 27, p. 221-243.
[CAS] Li, Z.X., Cho, Moonsup, and Li, Xian-Hua, 2003b, Precambrian tectonics of East Asia and relevance to supercontinent evolution: Precambrian Research, v. 122, nos. 1-4, p.1-6.
[CAS] Li, Z.X., Zhang, L., and Powell, C. McA. 1996, Positions of the East Asian cratons in the Neoproterozoic supercontinent Rodinia: Australian Journal of Earth Sciences, v. 43, p. 593-604.
[CAS] Martins, Veridana T. de S., Teixeira, Wilson, Noce, Carlos M., and Pedrosa-Soares, Antonio C., 2004, Sr and Nd Characteristics of Brasiliano–Pan-African Granitoid Plutons of the Araçuaí Orogen, Southeastern Brazil: Tectonic Implications: Gondwana Research v. 7, no. 1, p. 75-89.
[CAS] Miletenko, N.V., and Fedorenko, O.A., (compilers), 2002, Atlas of lithology-paleogeographical, structural, palinspastic and geoenvironmental maps of central Eurasia: Atlas litologo-paleogeograficheskikh, strukturnykh, palinspasticheskikhi geoekologicheskikh kart tsentral'noy Yeurazii: Naucho-Issledovatel'sky Institut Prirodnykh Resursov Resources YUGGEO, Almaty, Kazakhstan, 26 p.
[CAS] Nikolay, L., D., Buskov, M.M., and Vernikovsky, V.A., 2003, Neoproterozoic to Early Ordovician evolution of the paleo-Asian ocean: Implications to the break-up of Rodinia: Gondwana Research, v. 6, no. 2, p. 143-159.
[CAS] Pavlov, V.E., Gallet, Y., Petrov, P. Yu, Zhuravlev, D.Z., and Shatsillo, A.V., 2002, The Ui Group and Late Riphean sills in the Uchur-Maya area: Isotope and paleomagnetic data and the problem of the Rodinia Supercontinent: Geotectonics, v. 36, no. 4, p. 278-292.
[CAS] Pfänder, J.A., Jochum, K.P., Kozahov, I. Kröner, A,and Wolfgang, T., 2002, Coupled evolution of back-arc and island arc-like mafic crust in the late Neoproterozoic Agardagh Tes- Central ophiolite, central Asia: evidence from trace element and Sr-Nd-Pb isotope data: Contributions Mineral Petrography, v. 143, p. 154-174.
[CAS] Safonova, I. Yu., Buslov, M.M., Iwata, K., and Kokh, D.A., 2004, Fragments of Vendian-Early Carboniferous oceanic crust of the Paleo-Asian ocean in foldbelts of the Altai-Sayan Region of Central Asia: Geochemistry, biostratigraphy and structural setting: Gondwana Research, v. 7, no. 3, p. 771-790..
[CAS] Salnikova, E.B., Kozakov, I.K, Kotov, A.B., Kr öner, A., Todi, W., Bibikova, E.V., Nutman, A.,Yakovleva, S.Z., and Kovach, V.P., 2001, Age of Paleozoic

granites and metamorpism in the Tuvino-Mongolian Masif of the Central Asian Mobile Belt: loss of a Precambrian microcntinent: Precambrain Research, v. 110, p., 143-164.
[CAS] Teraoka, Y., and Okumura, K., 2003, Geologic map of east Asia: Geological Survey of Japan, AIST, 1:3,000,000 scale, three sheets.
[CAS] Yakubchuck, A., 2004, Architecture and mineral deposit settings of the Altaid orogenic collage: a revised model: Journal of Asian Earth Sciences, v. 23, p. 761-779.
[CAS] Yue, J., Liou, J.G., Graham, S.A., 2001, Tectonic correlation of Beisham and Inner Mongolia orogens and its implications for the Palinspastic reconstuction of north China China in M.S. Hendrix and G.A.Davis, eds., 2001, Paleozoic and Mesozoic tectonic evolution of central Asia: From continental assembly to intracontinental deformation: Geological Society of America Memoir 194, 4 p. 101-116.
[CAS] Zonenshain, L.P., 1973, The evolution of central Asiatic geosynclines through sea-floor spreading: Tectonophysics, v. 19, p. 213-232.

China and adjacent regions (CH)

[CH] Carroll, A.R., Graham, S.A., Chang, E.Z., McKnight, C., 2001, Sinian through Permian tectonostratigraphic evolution of northwestern Tarim basin, China in M.S, Hendrix,., and G.A.Davis, eds., 2001, Paleozoic and Mesozoic tectonic evolution of central Asia: From continental assembly to intracontinental deformation: Geological Society of America Memoir 194, p. 47-69.
[CH] Condon, Daniet, Zhu, Maoyan, Bowring, Samuel, Wang, Wei, Yang, Aihua, and Jin Yugan, 2005, U-Pb ages from the Neoproterozoic Doushantuo Formation, China: Science, v. 308, no. 5178, p. 95-98.
[CH] Khomentovsky, V.V., 1996, Sinian System in China and its analogs in Siberia: Russian Geology and Geophysics, v. 37, p. 129-144.
[CH] Kim, Jeongmin, and Cho, Moonsup, 2003, Low-pressure metamorphism and leucogranite magmatism, northeastern Yeongnam Massif, Korea: implications for Paleoproterozoic crustal evolution: Precambrian Research, v. 122, nos. 1-4, p. 235-251.
[CH] Kwon, Yong Wan, Oh, Chang Whan, and Kim Hyung Shik, 2003, Granulite-facies metamorphism in the Punggi area, northeastern Yeongnam Massif, Korea and its tectonic implications for east Asia: Precambrian Research, v. 122, nos. 1-4, p. 253-273.
[CH] Lan, Ching-Ying, , Chung, Sun-Lin, van Long, Trinh, Lo, Ching-Huo, Lee, Tung-Yi, Mertzman, Stanley, A., and Shen, Jason Jiun-San, 2003, Geochemical and Sr-Nd isotopic constraints from the Kontum massif, central Vietnam on the crustal evolution of the Indochina block: Precambrian Research, v. 122, nos. 1-4, p. 7-27.
[CH] Lan, Ching-Ying, , Chung, Sun-Lin, van Long, Trinh, Lo, Ching-Huo, Lee, Tung-Yi, Mertzman, Stanley, A., and Shen, Jason Jiun-San, 2003, Geochemical and Sr-Nd isotopic constraints from the Kontum massif, central Vietnam on the crustal evolution of the Indochina block: Precambrian Research, v. 122, nos. 1-4, p. 7-27.

[CH] Lee, Seung Ryeol, Cho, Moonsup, Cheong, Chang-Sik, Kim, Hyeoncheoi, and Wingate, Michael T.D., 2003, Age, geochemistry, and tectonic significance of Neoproterozoic alkaline granitoids in the northwestern margin of the Gyeonggi massif, South Korea: Precambrian Research, v. 122, nos. 1-4, p. 297-310.

[CH] Li, X.H., 1999, U-Pb zircon ages of granites from the southern margin of the Yangtze block: timing of Neoproteroic Jinning orogeny in SE China and implications foir Rodinia assembly: Precambrian Reserch, v. 97, p. 43-57.

[CH] Li, X. H., Su, L., Chung, S.-L., Li, Z. X., and Liu, Y., 2005, Formation of the Jinchuan ultramafic intrusion and the world's third largest Ni-Cu sulfide deposit: Associated with the ~ 825 Ma south China mantle plume?: Geochemistry, Geophysics, Geosystems G3, An Electronic Journal of the Earth Sciences, AGU and the Geochemical Society, v. 6, no. 11, 16 p. Q11004, doi:10.1029/2005GC001006

[CH] Li, X.H.., Li, Zheng-Xiang, Ge, Wenchun, Zhou, Hanwen, Li, Wuxian, Liu, Ying, and Wingate, Michael T.D., 2003, Neoproterozoic granitoids in South China: crustal melting above a mantle plume at ca. 825 Ma?: Precambrian Research, v. 122, nos. 1-4, p. 45-83.

[CH] Li, Z.X., Li, X.H., Kinney, P.D, Wang, J., Zhang, S., and Zhou, H., 2003, Geochronology of Neoproterozoic synrift magmatism in the Yangtze craton, south China and correlations with other continents: evidence for a mantle superplume that broke up Rodinia: Precambrian Research, v. 122, p. 85-109.

[CH] Li, Z.X., Zhang, Linghua, and Powell, Christopher McA., 1995, South China in Rodinia: Part of the missing link between Australia-East Antarctica and Laurentia?: Geology, v. 23, no. 5, p. 407-410.

[CH] Ling, Wenli, Gao, Shan, Zhang, Benren, Li, Huimin, Liu, Ying, and Cheng, Jianping, 2003, Neoproterozoic tectonic evolution of the northwestern Yangtze craton, South China: implications for amalgamation and break-up of the Rodinia Supercontinent: Precambrian Research, v. 122, nos. 1-4, p. 111-140.

[CH] Meng, Q.R. and Zhang, G.W. 2000, Geologic framework and tectonic evolution of the Qinling orogen, Tectonophysics, v. 323, p. 183-196.

[CH] Wang, H., 1986, The Sinian System, in Zang, Z., Cheng, Y., and Wang, H., eds., The Geology of China: Clarendon Press, Oxford, p. 50-63.

[CH] Wang, H., 1986, The Sinian System, in Zang, Z., Cheng, Y., and Wang, H., eds., The Geology of China: Clarendon Press, Oxford, p. 50-63.

[CH] Wang, Jian, and Li, Zheng-Xiang, 2003, History of Neoproterozoic rift basins in South China: implications for Rodinia break-up: Precambrian Research, v. 122, nos. 1-4, p. 141-158.

[CH] Wang, Y., Lu, S., Gao, Z, Lin, W., Ma, G., 1981, Sinian tillites of China, in Hambrey, and M.J., Harland, W.B., eds., Earth's Pre-Pleistocene glacial record: Cambridge University Press, Cambridge, p.386-401.

[CH] Wilde, Simon A., Wu, Fuyuan, and Zhang, Xingzhou, 2003, Late Pan-Africa magmatism in northeastern China: SHRIMP U-Pb zircon evidence from granitoids in the Jiamusi Massif: Precambrian Research, v. 122, nos. 1-4, p.311-327.

[CH] Xu, B., 2005, U-Pb zircon geochronology and geocemistry of Neoproterozic volcanic rocks in the Tarim Block of northwest China: implications for the breakup of Rodinia supercontinent and Neoproterozoic glaciation: Precambrian Research, v. 136, p. 107-123.

[CH] Yan, Q., Hanson, A.D., Wang, Z., Druschke, P.A., Yan, Z., Wang, T., Liu, D., Song, B., Jiang, P., Zhou, H. and Jiang, C., 2004, Neoproterozic and rifting on the northern margin of the Yangtze plate, China: implications for Rodinian reconstruction: International Geologic Review, v. 46, p 812-832.
[CH] Yang, Kaihui, 1998, A plate reconstruction of the eastern Tethyan Orogen in southwestern China, in Flower, M. F.J., Chung, Sun-Lin, Lo, Ching-Hua, and Lee, Tung-Yi, eds., Mantle Dynamics and Plate Interactions in East Asia: American Geophysical Union Geodynamics Series, v. 27, p. 269-287.
[CH] Yang,,Tsun-I, 1986, The Geology of China, Claredon Press, Oxford, 312 p.
[CH] Zhang, Q, Wang, Y., Zhou, G.Q., Qian, Q, and Robinson, P.T., Ophiolites in China: Their distribution, ages and tectonic setting in Ophiolites in Y. Diley and P.T. Robinson, eds., Earth History, Geological Society, London, Special Paper v. 218, p. 541-566.
[CH] Zhanz, Z.M., Liou, J.Z., and Coleman, R.G., 1984, An outline of the plate tectonic of China: Geological Society of America, v. 95, p. 295-312.
[CH] Zhao, Guochun, Sun, Min, and Wilde, Simon A., 2003, Correlations between the Eastern block of the North China Craton and the South Indian Block of the Indian Shield: an Archaean to Palaeoproterozoic link: Precambrian Research, v. 122, nos. 1-4, p. 201-233.
[CH] Zhou, M.F., Kennedy, A.K., Sun, M., Malpas, J., and Lesher, C.M., 2002, Neoproterozoic arc-related mafic intrusions along the northern margin of South China: Implications for the accretion of Rodinia: The Journal of Geology, v. 110, p. 611-618.

Gondwana, references to regional studies of Gondwana [GON]

[GON] Avigad, D., Kolodner, K., McWilliams, M., Persing, H., and Weissbrod, T., 2003, Origin of northern Gondwana Cambrian sandstone revealed by detrital zircon SHRIMP dating: Geology, v. 31, p. 227-230.
[GON] Baldis, B.A.J., Bruno A.J., Martínez, R.D., Pereyra, M.E., Pérez, A.M., Villegas, C.R., and Martínez de Giménez, P., 1993, Upper Proterozoic–lower Paleozoic transgondwanic ruptures and events between North African and South America, in Findlay, R.H., Unrug, R., Banks, M.R., and Veevers, J.J., eds., International Gondwana Symposium, v. 8, Balkema, Rotterdam, p. 23-28.
[GON] Banerjee, D.M., and Mazumdar, A., 1999, On the Late Neoproterozoic-Early Cambrian transition events in parts of East Gondwanaland: Gondwana Research, v. 2, no. 2, p. 199-211.
[GON] Groenewald, P. B,1993, Correlation of cratonic and orogenic provinces in southeastern Africa and Dronning Maud Land, Antarctica, in Findlay, R.H., Unrug, R., Banks, M.R., and Veevers, J.J., eds., International Gondwana Symposium, v. 8, Balkema, Rotterdam, p. 111-123.
[GON] Groenwald, P.B., Grantham, G.H., 1991, Geologic evidence for a Proterozoic to Jurassic link betweenAfrica and Dronning Laud Land, Antarctica: Journal of the Geological Society, London, v. 148, p. 1115-1123.
[GON] Harris, N.B.W., Bartlett, J.M., and Santosh, M., 1996, Neodymium isotope constraints on the tectonic evolution of East Gondwana: Journal of Southeast Asian Earth Sciences, v. 14, nos. 3-4, p. 119-125.

[GON] Ireland, T.R., Flöttmann, T., Fanning, C.M., Gibson, G.M., and Preiss, W.V., 1998, Development of the early Paleozoic Pacific margin of Gondwana from detrial-zircon ages across the Delamerian orogen: Geology, v. 26, no. 3, p. 243-246.

[GON] Jacobs, J., Klemd, R., Fanning, C.M., Bauer, W., and Colombo, F., 2003, Extensional collapse of the late Neoproterozoic–early Palaeozoic East African–Antarctic Orogen in central Dronning Maud Land, East Antarctica, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds., Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 271-287.

[GON] Katz, Michael B., 1989, Sri Lanka-Indian eastern Ghats-East Antarctica and the Australian Albany Fraser mobile belt: Gross geometry, age relationships, and tectonics in Precambrian Gondwanaland: The Journal of Geology, v. 97, p. 646-648.

[GON] Powell, C. McA., and Pisarevsky, S.A., 2002, Late Neoproterozoic assembly of East Gondwana: Geology, v. 30, no. 1, p. 3-6.

[GON] Shackleton, R.M., 1996, The final collision zone between East and West Gondwana: where is it?: Journal of African Earth Sciences, v. 23, no. 3, p. 271-287.

[GON] Shiraishi, K., Ellis, D.J., Hiroi, Y., Fanning, C.M., Motoyoshi, Y., and Nakai, Y., 1994, Cambrian Orogenic Belt in East Antarctica and Sri Lanka: Implications for Gondwana Assembly: The Journal of Geology, v. 102, p. 47-65.

[GON] Trompette, Roland, 1997, Neoproterozoic (~ 600 Ma) aggregation of Western Gondwana: a tentative scenario: Precambrian Research, v. 82, p. 101-112.

[GON] Trompette, Roland, translated by Carozzi, Albert V., 1994, Geology of Western Gondwana (2000-500 Ma), Pan-African-Brasiliano aggregation of South America and Africa: A.A. Balkema, Rotterdam, 350 p.

[GON] Unrug, R., ed., 1996, Geodynamic map of Gondwana supercontinent assembly: Council for Geoscience and Burea de Recherches Géogiques et Minís, France, 4 sheets, scale1:10,000,000.

[GON] Villeneuve, M., Cornée, J.J., and Muller, J., 1993, Orogenic belts, sutures and block faulting on the northwestern Gondwana margin, in Findlay, R.H., Unrug, R., Banks, M.R., and Veevers, J.J., eds., International Gondwana Symposium, v. 8, Balkema, Rotterdam, p. 43-53.

[GON] Windley, B.F., Razafiniparany, A., Razakamanana, T., and Ackermand, D., 1994, Tectonic framework of the Precambrian of Madagascar and its Gondwana connections: a review and reappraisal: Geologische Rundschau, v. 83, p. 642-659.

[GON] Yoshida, Masaru, Funaki, Minoru, and Vitanage, P. W., 1992, Proterozoic to Mesozoic East Gondwana: The juxtaposition of India, Sri Lanka, and Antarctica: Tectonics, v. 11, no. 2, p. 381-391.

India, Sri Lanka, Afghanistan, Pakistan, and adjacent regions (IN)

[IN] Bartlett, J.M., Harris, N.B.W., Hawkesworth, C.J., and Santosh, M., 1994, Tectonic and thermal evolution of South India during the Pan-African orogeny: Mineralogical Magazine, v. 58A, no. A-K, p. 55-56.

[IN] Biswas, S.K., 2003, Regional tectonic framework of the Pranhita–Godavari basin, India: Journal of Southeast Asia Sciences, v. 21, p. 543-551.
[IN] Bose, Pradip K., Sarkar, Subir, Chakrabarty, Snehasis, and Banerjee, Santanu, 2001, Overview of the meso- to neoproterozoic evolution of the Vindhyan basin, central India: Sedimentary Geology, v. 141, p. 395-419.]
[IN] Brahmam, Krishna, N., and Negi, J. G., 1973, Rift valleys beneath Deccan Traps (India): Geophysical Research Bulletin, v. 11, no. 3, p. 207-237.
[IN] Brookfield, M.E., 1993, The Himalayan passive margin from Precambrian to Cretaceous times: Sedimentary Geology, v. 84, p. 1-35
[IN] Chaudhuri, Asru K., Saha, Dilip, Deb, Gautam K., Deb, Sarbani Patranabis, Mukherjee, Kanti Mrinal, and Ghosh, Gautam, 2002, The Purana Basins of southern cratonic province of India – A case for Mesoproterzoic fossil rifts: Gondwana Research, v. 5, no. 1, p. 23-33.
[IN] Dobmeier, C. J., and Raith, M. M., 2003, Crustal architecture and evolution of the Eastern Ghats Belt and adjacent regions of India, in Yoshida, M., Windley, B.F., and Dasgupta, S., eds., Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications no. 206, p. 145-168.
[IN] Jiang, G., Sohl, L.E., and Christee-Blick, N., 2003, Neoproterozic stratigrapic comparison of the Lesser Himalaya (India) and Yangtze block (south China); paleogeographic implications: Geology, v. 31, p. 917-920.
[IN Krishna-Brahman, N., and Negi, J.G., 1973, Rift Valleys beneath Deccan traps (India), Geophysical Research Bulletin (India), v. 11, no. 3, p. 209-237.
[IN] Miller, J. S., Santosh, M., Pressley, R. A., Clements, A. S., and Rogers, J. J. W., 1996, A Pan-African thermal event in southern India: Journal of Southeast Asia Sciences, v. 14, nos. 3-4, p. 127-136.
[IN] Paliwal, B.S., ed., 1998, The Indian Precambrian; a volume in honor of Professor Ashit Baran Roy: Scientific Publishers (India), Jodhpur, 556 p.
[IN] Pandey, O.P., and Agrawal, P.K., 1999, Lithospheric mantle deformation beneath the Indian Cratons: The Journal of Geology, v. 107, p. 683-692.
[IN] Raval, U., and Veeraswamy, K., 2003, India-Madagascar separation: breakup along a pre-existing mobile belt and chipping of the craton: Gondwana Research, v. 6, no. 3, p. 467-485.
[IN] Ray, Jyotiranjan S., Martin, M. W., Veizer, Ján, and Bowring, S. A., 2002, U-Pb zircon dating and Sr isotope systematics of the Vindhyan Supergroup, India: Geology, v. 30, no. 2, p. 131-134.
[IN] Rickers, Karen, Mezger, Klaus, and Raith, M. M., 2001, Evolution of the Continental Crust in the Proterozoic Eastern Ghats Belt, India and new constraints for Rodinia reconstruction: implications from Sm-Nd, Rb-Sr and Pb-Pb isotopes: Precambrian Research, v. 112, nos. 3-4, p. 183-210.
[IN] Saha, Dilip, and Chaudhri, A. K., 2003, Deformation of the Proterozoic succession in the Pranhita-Godavan basin, south India—a regional perspective: Journal of Southeast Asia Sciences, v. 21, no. 6, p. 557-565.
[IN] Valdiya, K.S., 1995, Proterozoic sedimentation and Pan-African geodynamic development in the Himalaya: Precambrian Research, v. 74, p. 35-55.
[IN] Virdi, N.S., 1998, Coexisting Late Proterozoic glacigene sedimentgs and evaporates in the Lesser Himalaya and western Indian Shield – expression of contemporaneity of low latitude glaciation and tropical desiccation, in Paliwal,

B.S., ed., The Indian Precambrian, Scientific Publishers (India), Jodhpur, p. 502-511.
[IN] Wensink, Hans, 1991, Late Precambrian and Paleozoic rocks of Iran and Afghanistan, Chapter 4, in Moullade, M., and Nairn, A.E.M., eds., The Phanerozoic Geology of the World I, The Palaeozoic , A: New York, Elsevier, p. 147-218.
[IN] Yoshida, M., and Vitanage, P.W., 1993, A review of the Precambrian geology of Sri Lanka and its comparison with Antarctica, in Findlay, R.H., Unrug, R., Banks, M.R., and Veevers, J.J., eds., International Gondwana Symposium, v. 8, Balkema, Rotterdam, p, 97-109.
[IN] Yoshida, M., Bindu, R.S., Kagami, H. Rajesham, T., Santosh, M., and Shirahta, H., 1996, Geochronologic constraints of granulite terranes from South India and their implications for the Precambrian assembly of Gondwana: Journal of Southeast Asia Sciences, v. 14, nos. 3-4, p. 137-147.
[IN] Wensink, H., 1991, Late Precambrian and Paleozoic rocks of Iran and Afghanistan, in Moullade, M., and Nairn, A.E.M., eds., The Phanerozic geology of the World I, The Palaeozoic, A, p. 147-218.

Laurentia (North America, Greenland, and related areas in North Atlantic) [LA]

[LA] Aleinikoff, J. N., Zartman, R. E., Walter, Marianne, Rankin, D. W., Lyttle, P. T., and Burton, William C., 1995, U-Pb ages of metarhyolites of the Catoctin and Mount Rogers Formations, central and southern Appalachians: Evidence for two pulses of Iapetan rifting: American Journal of Science, v. 295, p. 428-454.
[LA] Abolins, M., Oskin, Rebecca, Prave, Tony, Summa, Catherine, and Corsetti, Frank, 2000, Neoproterozoic glacial record in the Death Valley region, California and Nevada, in Lagenson, David R., Peters, Stephen G., and Lahren, Mary M., eds., Great Basin and Sierra Nevada: Geological Society of America Field Guide, v. 2, p. 319-335.
[LA] Bond, G. C., Christie-Blick, Nicholas, Kominz, A., and Devlin, W. J., 1985, An early Cambrian rift to post-rift transition in the Cordillera of western North America: Nature, v. 315, no. 6022, p. 742-746.
[LA] Brewer, J.A., 1982, Study of southern Oklahoma aulacogen, using COCORP deep seismic-refection profiles: Oklahoma Geological Survey Guidebook, v. 21, p. 31-39.
[LA] Burchfiel, B.C., Cowan, D.S., and Davis, G.A., 1992, Tectonic overview of the Cordilleran orogen in the western United States, in Burchiel, B.C., Lipman, P.W., and Zoback, M.L., eds., The Cordilleran orogen: Conterminous U.S: Boulder, Colorado, Geological Society of America, The Geology of North America, v. G-3, p. 407-479.
[LA] Caby, R., and Bertrand-Sarfati, J., 1988, The Eleonore Bay Group (central East Greenland, in Winchester, J.A., ed., Later Proterozoic Stratigraphy of the Northern Atlantic Regions: New York, Chapman and Hall Publishers, p. 212-236.
[LA] Cawood, P. A., McCausland, P. J.A., and Dunning, G. R., 2001, Opening Iapetus: Constraints from the Laurentian margin in Newfoundland: Geological Society of America Bulletin, v. 113, no. 4, p. 443-453.

[LA] Christe-Blick, N., and Levy, M., 1989, Stratigraphy and tectonic framework of Upper Proterozoic and Cambrian rocks in the western United States, in Christe-Blick, N., and Levy, M., eds. Late Proterozoic and Cambrian tectonics, sedimentation, and record of metazoan radiation in the western United States: 28th International Geologic Congress, Field Trip Guidebook T331, Washington, D.C., American Geophysical Union, p. 7-21.

[LA] Christie-Blick, N., and Levy, M., eds., 1989, Late Proterozoic and Cambrian tectonics, sedimentation, and record of metazoan radiation in the western United States, Field Trip Guidebook T331, 28th International Geologic Congress: Washington, D.C., American Geophysical Union, 113 p.

[LA] Christie-Blick, N., and Levy, M., eds., 1989, Late Proterozoic and Cambrian tectonics, sedimentation, and record of metazoan radiation in the western United States, Field Trip Guidebook T331, 28th International Geologic Congress: Washington, D.C., American Geophysical Union, 113 p.

[LA] Christie-Blick, Nicholas, 1997, Neoproterozoic sedimentation and tectonics in west-central Utah, in Link, P. K. and Kowallis, B. J., eds., Geological Society of America Field Trip Guide Book, v. 42, part 1, p. 1-30.

[LA] Colpron, Maurice, Logan, J. M., and Mortensen, J. K., 2002, U-Pb zircon age constraint for late Neoproterozoic rifting and initiation of the lower Paleozoic passive margin of western Laurentia: Canadian Journal of Earth Sciences, v. 39, p. 133-143.

[LA] Corsetti, Frank A., and Hagadorn, J. W., 2000, Precambrian-Cambrian transition: Death Valley, United States: Geology, v. 28, no. 4, p. 299-302.

[LA] Dehler, C. M., Elrick, Maya, Karlstrom, K.E., Smith, G. A., Crossey, L. J., and Timmons, J. M., 2001, Neoproterozoic Chuar Group (~800–742 Ma), Grand Canyon: a record of cyclic marine deposition during global cooling and supercontinent rifting: Sedimentary Geology, v. 141-142, p. 465-499.

[LA] Doughy, P.T., Price, R.A., and Parrish, R.R., 1998, Geology and U-Pb geochronology of Archean basement and Proterozoic cover in the Priest River complex, northwestern United States, and their implications for Cordilleran structure and Precambrian continent reconstructions: Canadian Journal of Earth Sciences, v. 35, p. 39-54.

[LA] Eisbacher, G.H., 1985, Late Proterozoic rifting, glacial sedimentation, and sedimentary cycles in the light of Windermere deposition, Western Canada: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 51, no. 1-4, p. 231-254.

[LA] Fairchild, Ian J., and Hambrey, Michael J., 1995, Vendian basin evolution in East Greenland and NE Svalbard, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 217-233.

[LA] Frisch, T., and Trettin, H.P., 1991, Precambrian successions in the northernmost part of the Canadian Shield; Chapter 6, in Geology of the Innuitian Orogen and Arctic Platform of Canada and Greenland, Trettin, H.P., ed., Geological Survey of Canada, Geology of Canada, no. 3, p. 101-108.

[LA] Gee, D.G., and Teben'kov, 2004, Svalbard: a fragment of the Laurentian margin, in Gee, D.G., and Pease, V. eds, The Neoproterozoic Timanide Orogen of Eastern Baltica: Geological Society of London, Memoir 30, p. 191-206.

[LA] Gehrels, G. E., 1990, Late Proterozoic–Cambrian metamorphic basement of the Alexander terrane on Long and Dall Islands, southeast Alaska: Geological Society of America Bulletin, v. 102, p, 760-767.
[LA] Gehrels, G. E., and Saleeby, J. B., 1987, Geologic framework, tectonic evolution, and displacement history of the Alexander terrane: Tectonics, v. 6, no. 2, p. 151-173.
[LA] Ham, W.E., Denison, R.E., and Merritt, C.A., 1964, Basement rocks and structural evolution of southern Oklahoma: Oklahoma Geological Survey Bulletin 95, 302 p.
[LA] Hambrey, M.J., 1983, Correlation of Late Proterozoic tillites in the North Atlantic region and Europe: Geological Magazine, v. 120, no. 3, p. 209-320.
[LA] Harlan, S, S., Heaman, Larry, LeCheminant, A, N., and Premo, W. R., 2003, Gunbarrel mafic magmatic event: A key 780 Ma time marker for Rodinia plate reconstructions: Geology, v. 31, no. 2, p. 1053-1056.
[LA] Harlan, W.B., 1985, Caledonide Swalbard in Gee, D.E., and Sturt, B.A.,eds., The Caledonide Scandinavia orogen—Scandinavia and related areas, p. 999-1003.
[LA] Harlan, W.B., 1985, Caledonide Swalbard in Gee, D.E., and Sturt, B.A.,eds., The Caledonide SvScandinavia orogen—Scandinavia and related areas, p. 999-1003.
[LA] Harlan, W.B., 1985, Caledonide Swalbard in Gee, D.E., and Sturt, B.A.,eds., The Caledonide Scandinavia orogen—Scandinavia and related areas, p. 999-1003.
[LA] Harlan, W.B., 1997, Vendian history (Chapter 13) in W.B. Harland, ed. The Geology of Svalbard: London, Geological Society Memoir 17, p.244-256.
[LA] Heaman, L.M., Le Cheminant, A.N., and Rainbird, R.H., 1992, Nature and timing of Franklin igneous event, Canada: implications for a Late Proterozoic mantle plume and the break-up of Laurentia: Earth and Planetary Science Letters, v.109, p. 117-131.
[LA] Hibbard, J. P., Stoddard, E. F., Secor, Donald T., and Dennis, Allen J., 2002, The Carolina Zone: overview of Neoproterozoic to Early Paleozoic peri-Gondwanan terranes along the eastern flank of the southern Appalachians: Earth-Science Reviews, v. 57, p. 299-339. [
[LA] Higgins, A.K., and Leslie, A.G., 2000, Restoring thrusting in the East Greenland Caledonides: Geology, v. 28, no. 11, p. 1019-1022. [
[LA] Hodych, J.P., Cox, R.A., and Kosler, J., 2004, An equatorial Laurentia at 550 Ma confirmed by Grenvillian inherited zircons dated by LAMICP-MS in the Skinner Cover volcanics of western Newfoundland: implications for inertial interchange true polar wander: Precambrian Research, v. 129, nos. 1-2, p. 93-113.
[LA] Idnurm, M., and Giddings, J.W, 1995, Paleoproterozoic-Neoproterozoic North America–Australia link: New evidence from paleomagnetism: Geology, v. 23, no. 2, p. 149-152.
[LA] Jones, D.L., Howell, D.G., Coney, P.J., and Monger, J.W.H., 1983, Recognition, character, and analysis of tectono-stratigraphic terranes in western North America, in Hashimoto, M, and Uyeda, S., eds., Accretion tectonics in the Circum-Pacific regions: Tokyo, Japan, Terra Scientific Publishing Company, p. 21-35,
[LA] Karl, Susan and Aleinikoff, J. N. 1989, Proterozoic U-Pb zircon age of in the Kallarichuk Hills, Western Brooks Range Alaska: Evidence for Precambrian basement in the schist belt: U.S. Geological Survey, Geologic Studies in Alaska, 95-100.

[LA] Karlstrom, K. E., Bowring, S. A., Dehler, C. M., Knoll, A. H., Porter, Susannah M., Des Marais, D. J., Weil, A. B., Sharp, Zachary D., Geissman, J. W., Elrick, Maya B., Timmons, J. Michael, Crossey, Laura J., and Davidek, Katheleen L., 2000, Chuar Group of the Grand Canyon: Record of breakup of Rodinia, associated change in the global carbon cycle and ecosystem expansion by 740 Ma: Geology, v. 28, no. 7, p. 619-622.

[LA] Le Cheminant, A.N., and Heaman, L.M., 1994, 779 Ma mafic magmatism in the northwestern Canadian Shield and northern Cordillera: a new regional time maker: Proceedings of the 8th International Conference, Geochronology, Cosmochronology, and Isotope Geology, Program Abstracts, v. 1107, p. 197.

[LA] Levy, Marjorie, and Christie-Black, Nicholas, 1991, Tectonic subsidence of the early Paleozoic passive continental margin in eastern California and southern Nevada: Geological Society of America Bulletin, v. 103, p. 1590-1606.

[LA] Li, Li, and Tull, James F., 1998, Cover stratigraphy and structure of the southernmost external basement massifs in the Appalachian Blue Ridge: Evidence for two-stage Late Proterozoic rifting: American Journal of Science, v. 298, p. 829-867.

[LA] Lindsley-Griffin, N., Griffin, J.R., Farmer, J.D., 2003, Significance of Ediacaran cyclomedusids and other Pacific Rim biota in the Yreka terrane, eastern Klamath Mountains, California, Geological Society of America Abstracts with Programs, v. 35, p. 14.

[LA] Link, P.K., Christie-Blick, N., Stewart, J.H., Miller, J.M.G., Devlin, W.J., and Levy, M., 1993, in R.C. Reed, Jr., M.E Bickford, R.S. Houston, P.K Link, D.W. Rankin, P.K. Sims, and W.R. Van Schmus, eds., Precambrian: Conterminous U.S.: The Geology of North America, Geological Society of America v. C-2, p. 536-558.

[LA] Lund, Karen, Aleinikoff, J. N., Evans, K. V., and Fanning, C. M., 2003, SHRIMP U-Pb geochronology of Neoproterozoic Windermere Supergroup, central Idaho: Implications for rifting of western Laurentia and synchroneity of Sturtian glacial deposits: Geological Society of America Bulletin, v. 115, no. 3, p. 349-372.

[LA] Mankinen, E. A., Lindsley-Griffin, Nancy, and Griffin, J. R., 2002, Concordant paleolatitudes for Neoproterozoic ophiolitic rocks of the Trinity Complex, Klamath Mountains, California: Journal of Geophysical Research, B, Solid Earth and Planets, v. 107, no. B10, 18 p.

[LA] McConnell, D.A., and Gilbert, M.C., 1990, Cambrian extensional tectonics and magmatism within the southern Oklahoma aulacogen: Tectonophysics, v. 174, p. 147-157.

[LA] Moore, T.E., Wallace, W.K, Bird, K.J., Karl, S.M., Mull, C.G., and Dillon, J.T., 1994, Geology of northern Alaska, in Plafker, G., and Berg, H.C., eds., The geology of Alaska, Boulder, Colorado, Geological Society of America, The Geology of North America, v. G-1. p. 49-140.

[LA] Murphy, J. B., Keppie, J. D., Dostal, J., and Nance, R. D., 1999, Neoproterozoic–early Paleozoic evolution of Avalonia, in Ramos, V.A., and Keppie, J.D., eds, Laurentia-Gondwana Connections before Pangea: Geological Society of America Special Paper 336, p. 253-266.

[LA] Narbonne, G. M., and Aitken, J. D., 1995, Neoproterozoic of the Mackenzie Mountains, northwestern Canada, in Knoll, A.H., and Walter, Malcolm, eds.,

Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 101-121.

[LA] Narbonne, G. M., and Aitken, James D., 1995, Neoproterozoic of the Mackenzie Mountains, northwestern Canada, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 101-121.

[LA] O'Driscoll, C.F., Dean, M.T., Wilton, D.H.C., and Hinchey, J.G., 2001, The Burin Group: A Late Neoproterozoic ophiolite containing shear-zone hosted mesothermal-style gold mineralization in the Avalon zone, Burin Peninsula, Newfoundland: Current Research (2001) Newfoundland Department of Mine and Energy Geological Survey Report 2001-1 p. 229-246.

[LA] Oi Su, Goldberg., S.A., andFullagar, P.D., 1994, Precise U-Pb ages of Neoproterozoic plutons in thke southern Appalachian Blue- Ridge and their implications for the initial rifting of Laurentia: Precambrian Researchv. 68, p. 81-95

[LA] Patrick, B. E., and McClelland, W. C., 1995, Late Proterozoic granitic magmatism on Seward Peninsula and a Barentian origin for Arctic Alaska–Chukotka: Geology, v. 23, no. 1, p. 81-84.

[LA] Patton, W.W., Jr., Box, S.E., Moll-Stalcup, E.J., and Miller, T.P. 1994, Geology of west-central Alaska, in Plafker, G., and Berg, H.C., eds., The Geology of Alaska: Boulder, Colorado, Geological Society of America, The Geology of North America, v. G-1.

[LA] Poole, F.G., Perry, W.J., Jr, Madrid, R.J., and Amaya-Martínez, R., 2005, Tectonic synthesis of the Ouachita-Marathon-Sonora orogenic margin of southern Laurentia: Stratigraphgic implications for timing of deformation events and plate-tectonic model, in Anderson, T.H., Nourse J.A., McKee, J.W., and Steiner, M.B., eds., The Mojave-Sonora megashear hypothesis: Development, assessment, and alternatives: Geological Society of America Special Paper 393, p. 543-596.

[LA] Rainbird, R. H., 1993, The sedimentary record of mantle plume uplifts preceding eruption of the Neoproterozoic Natkusiak flood basalt: The Journal of Geology, v. 101, p. 305-318.

[LA] Rainbird, R.H., Jefferson, C.W., and Young, G.M., 1996, The early Neoproterozoic sedimentary Succession B of northwestern Laurentia: Correlations and paleogeographic significance: Geological Society of America Bulletin, v. 108, no. 4, p. 454-470.

[LA] Rankin, D.W., Drake, A.A., and Ratcliffe, N.M., 1989, Geologic map of the U.S. Appalachians showing the Laurentian margin and the taconic orogen, Plate 2, in Hatcher, R.D., Thomas, W.A. and Viele, G.W., eds., The Appalachian-Ouachita orogen: Geological Society of America, Geology of North America, v. F-2.

[LA] Rankin, D.W., Hall, L.M., Drake, A.A., Goldsmith, R., Ratcliffe, N.M., and Stanley, R.S., 1989, Proterozoic evolution of the rifted margin of Laurentia, in Hatcher, R.D., Thomas, W.A. and Viele, G.W., eds., The Appalachian-Ouachita orogen: Geological Society of America, Geology of North America, v. F-2, p. 10-42.

[LA] Rankin, D.W., Hall, L.M., Drake, A.A., Goldsmith, R., Ratcliffe, N.M., and Stanley, R.S., 1989, Proterozoic evolution of the rifted margin of Laurentia, in Hatcher, R.D., Thomas, W.A. and Viele, G.W., eds., The Appalachian-Ouachita

orogen: Geological Society of America, Geology of North America, v. F-2, p. 10-42.
[LA] Ross, G. M., Bloch, J. D., and Krouse, H. R., 1995, Neoproterozoic strata of the southern Canadian Cordillera and the isotopic evolution of seawater sulfate, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 71-99.
[LA] Ross, G.M., 1991, Tectonic setting of the Windermere Supergroup revisited: Geology, v. 19, p. 1125-1128.
[LA] Sears, J.W., Chamberlain, K.R., and Buckley, S.N., 1998, Structural and U-Pb geochronological evidence for 1.47 Ga rifting in the Belt basin, western Montana: Canadian Journal of Earth Sciences, v. 35, p. 467-475.
[LA] Silberling, N.J., and Jones, D.L., eds. 1984, Lithotectonic terrane maps of the North America Cordillera: U.S. Geological Survey Open File Report 84-523
[LA] Sønderholm, Martin, and Jepsen, H. F., 1991, Proterozoic basins of North Greenland: Grønlands Geologiske Undersøgelse Bulletin 160, p. 49-69.
[LA] Sønderholm, Martin, and Tirsgaard, Henrik, 1993, Lithostratigraphic framework of the Upper Proterozoic Eleonore Bay Supergroup of East and North-East Greenland: Grønlands Geologiske Undersøgelse Bulletin 167, 38 p.
[LA] Soper, N.J., 1994, Neoproterozoic sedimentation on the northeast margin of Laurentia and the opening of Iapetus: Geological Magazine, v. 131, no. 3, p. 291-299.
[LA] Stewart, J.H., 1976, Late Precambrian evolution of North America: plate tectonics implication: Geology, v. 4, no. 1, p. 11-15.
[LA] Stewart, J.H., and Suczek, C.A., 1977, Cambrian and latest Precambrian paleogeography and tectonics in the western United States in Stewart and Stevens, C.H., and Fritsche, A.E., eds., Paleozoic paleogeography of the western United States: Society of Economic Paleontologists and Mineralogists, Pacific Section, Pacific Coast Paleogeography Symposium 1, p. 1-17.
[LA] Stewart, J.H., Ricardo Amaya-Martínez, and Palmer, A.R., 2002, Neoproterozoic and Cambrian strata of Sonora, Mexico: Rodinian supercontinent to Laurentian Cordilleran margin in Barth, A., ed., Contributions to crustal evolution of the southwestern United States: Boulder, Colorado, Geological Society of America, Special Paper 365, p. 5-48.
[LA] Stewart, John H., Poole, Forrest G., Ketner, Keith B., Madrid, Raul J., Roldán-Quintana, Jaime, and Amaya-Martínez, Ricardo, 1990, Tectonics and stratigraphy of the Paleozoic and Triassic southern margin of North America, Sonora, Mexico, in Gehrels, G.E., and Spencer, J.E., eds., Geologic excursions through the Sonoran Desert region, Arizona and Sonora: Arizona Geological Survey Special Paper 7, p. 183-202.
[LA] Stewart. J.H., 1970, Upper Precambrian and Lower Cambrian strata in the southern Great Basin, California and Nevada, U.S. Geological Survey Professional Paper 620, 206 p.
[LA] Stewart. J.H., 1972, Initial deposits in the Cordilleran geosyncline: evidence of a late Proterozoic (<850 m.y.) continental separation: Geological Society of America, v. 83, p. 1345-1360.
[LA] Stewart. J.H., 1988, Latest Proterozoic and Paleozoic southern margin of North America and the accretion of Mexico: Geology, v. 16, p. 186-189.

[LA] Stewart. J.H., 1991, Latest Proterozoic and Cambrian Rocks of the western United States--An overview, in Cooper, JD. and Stevens, C.H., eds., Paleozoic Paleogeography of the Western United States II: Pacific Section, Society of Economic Paleontologist and Mineralogist, v. 67, p. 13-38.

[LA] Su, Qi, Goldberg, S. A., and Fullagar, P. D., 1994, Precise U-Pb zircon ages of Neoproterozoic plutons in the southern Appalachian Blue Ridge and their implications for the initial rifting of Laurentia: Precambrian Research, v. 68, p. 81-95.

[LA] Surlyk, Finn, 1991, Tectonstratigraphy of North Greenland: Grønlands Geologiske Undersøgelse Bulletin 160, p. 25-47.

[LA] Thomas, W.A., 1991, The Appalachian-Ouachita rifted margin of southeastern North America: Geological Society of America, v. 103, p.415-431.

[LA] Thomas, W.A., 2006, Tectonic inheritance at a continental margin: Geological Society of America Today, v. 16, p. no. 2, p. 4-10.

[LA] Thomas, W.A., Chowns, T.M., Daniels, D.L., Neathery, T.L., Glower, L.G. and Gl;eason, R.J., 1989, The Appalachian-Ouachita orogen beneath the Gulf Coastal Plain between he outcrops in the Appalachian and Ouachita Mountains, in Hatcher, R.D., Thomas, W.A. and Viele, G.W., eds., The Appalachian-Ouachita orogen: Geological Society of America, Geology of North America, v. F-2, p.537-553.

[LA] Till, A.B., and Dumoutin, J.A., 1994, Geology of the Seward Peninsula and Saint Lawrence Island, in Plafker, G. and Berg, H.C., eds., The Geology of Alaska: Boulder, Colorado, Geological Society of America, The Geology of North America, v. G-1, p. 141-152.

[LA] Tirsgaard, Henrik, and Sønderholm, Martin, 1997, Lithostratigraphy, sedimentary evolution and sequence stratigraphy of the Upper Proterozoic Lyell Land Group (Eleonore Bay Supergroup) of East and North-East Greenland: Geology of Greenland Survey Bulletin 178, 60 p.

[LA] Trettin, H.P., 1991, Summary and remaining problems, Chapter 21, in Geology of the Innuitian Orogen and Arctic Platform of Canada and Greenland, Trettin, H.P., ed., Geological Survey of Canada, Geology of Canada, no. 3, p. 547-553.

[LA] Trettin, H.P., 1991, The Proterozoic to Late Silurian record of Pearya, Chapter 9, in Geology of the Innuitian Orogen and Arctic Platform of Canada and Greenland, Trettin, H.P., ed., Geological Survey of Canada, Geology of Canada, no. 3, p. 241-259.

[LA] Wallin, E.T., Lingley -Griffin, N., and Griffin, J.R..,1991, Overview of early Paleozoic magmatism in the eastern Klamath Mountains, California; an isotopic perspective, in Cooper, J.D., and Stevens, C.H., eds., Paleozoic paleogeography of the Western United State-II: Field Trip Guidebook, Pacific Section, Society of Economic Paleontologist and Mineralogist, v. 67, p. 581-588.

[LA] Wallin, E.T., Noto, R.C., and Gehrels, G.E., 2000, Provenance of the Antelope Mountain Quartzite, Yreka terrane, California, United States, : evidence for large-scale late Proterozioic sinistral displacement along the North American Cordilleran margin and implications for the mid-Paleozoic fringing-arc model, in Soregham, M.J., and Gehrels, G.E., Geological Society of America Special Paper 347, p. 119-131.

[LA] Watt, G.R., and Thrane, K., 2001, Early Neoproterozoic events in East Greenland: Precambrian Research, v. 110, nos. 1-4, p. 165-184.

[LA] Wilson, F.H., Dover, J.H., Bradley, D.C., Weber, F.R., Bundtzen, T.K., and Haeussler, P.J., 1998, Geologic map of Central (interior) Alaska: U.S. Geological Survey, Open File Report, Map OFR-98-133, scale 1:500,000.
[LA] Winchester, J.A., 1988, Introduction, in Winchester, J.A., ed., Later Proterozoic stratigraphy of the northern Atlantic regions: Blackie, Glasgow and London; Chapman and Hall, New York, p. 1-13.
[LA] Young, G. M., 1995, Are Neoproterozoic glacial deposits preserved on the margins of Laurentia related to the fragmentation of two supercontinents?: Geology, v. 23, no. 2, p. 153-156.

Middle East, Iran, Afghanistan, Pakistan, and adjcent regions [MID]

[MID] Abdel-Rahman, Abdel-Fattah M., 1995, Tectonic-magmatic stages of shield evolution: the Pan-African belt in northeastern Egypt: Tectonophysics, v. 242, p. 223-240.
[MID] Abdelsalam, M.G., and Stern, R.J., 1996, Sutures and shear zones in the Arabian-Nubian Shield: Journal of African Earth Sciences, v. 23, no. 3, p. 289-310.
[MID] Berberian, Manuel, and King, G.C.P., 1981, Towards a paleogeography and tectonic evolution of Iran: Canadian Journal of Earth Sciences, v. 18, p. 210-265.
[MID] Blasband, B., White, S., Brooijmans, P., De Boorder, H., and Visser, W., 2000, Late Proterozoic extensional collapse in the Arabian–Nubian Shield: Journal of the Geological Society of London, v. 157, p. 615-628.
[MID] Brasier, Martin, McCarron, Gretta, Tucker, Robert, Leather, Jonathan, Allen, Philip, and Shiedls, Graham, 2000, Ghubrah glaciation and for the top of the Huqf Supergroup, Oman: Geology, v. 28, no. 2, p. 17-178.
[MID] Brasier, Martin, McCarron, Gretta, Tucker, Robert, Leather, Jonathan, Allen, Philip, and Shields, Graham, 2000, New U-Pb zircon dates for the Neoproterozoic
[MID] Edgell, H.S., 1991, Proterozoic salt basins of the Persian Gulf area and their role I n hydrocarbon generation: Precambrian Research, v. 54, p. 1-14.
[MID] El-Mettwaly, A.A., Zalata, A.A., and El-Enen, M.M. Abu, 1992, The evolution of the Pan-African granitoid rocks: geochemical evidences from SW Sinai massif, Egypt: Journal of African Earth Sciences, v. 14, no. 1, p. 111-119.
[MID] Engel, A.E.J., Dixon, T.J., and Stern, R.J., 1980, Late Precambrian evolution of Afro-Arabian crust from ocean arc to craton: Geological Society of America Bulletin v. 91, p. 699-706.
[MID] Fowler, T.J., and Osman, A.F., 2001, Gneiss-cored interference dome associated with two phases of late Pan-African thrusting in the Central Eastern Desert, Egypt: Precambrian Research, v. 108, p. 17-43.
[MID] Fritz, H., Wallbrecher, E., Khudeir, A.A., El-Ela, F. Abu, and Dallmeyer, D.R., 1996, Formation of Neoproterozoic metamorphic core complexes during oblique convergence (Eastern Desert, Egypt): Journal of African Earth Sciences, v. 23, no. 3, p. 311-329.
[MID] Fritz, Harald, Dallmeyer, D. R., Wallbrecher, Eckart, Loizenbauer, Jürgen, Hoinkes Georg, Neumayr, Peter, and Khudeir, A. A., 2002, Neoproterozoic tectonothermal evolution of the Central Eastern Desert, Egypt: a slow velocity tectonic process of core complex exhumation: Journal of African Earth Sciences, v. 34, no. p. 137-155.

[MID] Gass, I.G., Ries, A.C., Shackleton, R.M., and Smewing, J.D., 1990, Tectonics, geochronology and geochemistry of the Precambrian rocks of Oman, in Roberston, A.H.F., Searle, M.P., and Ries, A.C., eds., The Geology and Tectonics of the Oman Region Geological Society of London, Special Publications no. 49, p. 585-599.

[MID] Gillespie, J.G., and Dixon, T.H., 1983, Lead isotope systematics of some igneous rocks from the Egyptian shield: Precambrian Research, v. 20, p. 63-77.

[MID] Gorin, G.E., Racz, L.G., and Walter, M.R., 1982, Late Precambrian-Cambrian sediments of Huqf Group, Sultanate of Oman: American Association of Petroleum Geologists Bulletin, v. 66, no. 12, p. 2609-2627.

[MID] Haghipour, A., and Aghanabati, A., 1985, Geologic map of Iran: Ministry of Mines and Metals, Geologic Survey of Iran, 1:2,500,000-scale.

[MID] Husseini, Moujahed I., and Husseini, Sadad I., 1990, Origin of the Infracambrian Salt Basins of the Middle East, in Brooks, J., ed., Classic Petroleum Provinces, Geological Society Special Publication no. 50, p. 279-292..

[MID] Khan, M. J., and Humayun, Munir, 1991, Pakistan, Chapter 3, in Moullade, M., and Nairn, A.E.M., eds., The Phanerozoic Geology of the World I, The Palaeozoic A: New York, Elsevier, p. 111-141

[MID] Kusky, Timothy M., and Matsah, Mohamed I., 2003, Neoproterozoic dextral faulting on the Najd Fault System, Saudi Arabia, preceded sinistral faulting and escape tectonics related to closure of the Mozambique Ocean, in Yoshia, M., Windley, B.F., and Dasgupta, S., eds., Proterozoic East Gondwana: Supercontinent Assembly and Breakup: Geological Society of London, Special Publications 206, p. 327-361.

[MID] Leather, Jonathan, Allen, Philip A., Brasier, Martin D., and Cozzi, Andrea, 2002, Neoproterozoic snowball Earth under scrutiny: Evidence from the Fig glaciation of Oman: Geology, v. 30, no. 10, p. 891-894.

[MID] Mattes, B.W., and Morris, S. Conway, 1990, Carbonate–evaporate deposition in the Late Precambrian – Early Cambrian Ara Formation of Southern Oman, in Roberston, A.H.F., Searle, M.P., and Ries, A.C., eds., The Geology and Tectonics of the Oman Region Geological Society of London, Special Publications no. 49, p. 617-636.

[MID] Neumayr, P., Hoinkes, G., Puhl, J, Mogessie, A., and Khudeir, A.A., 1998, The Meatiq dome (Eastern Desert Egypt) a Precambrian metamorphic core complex: petrological and geological evidence: Journal of Metamorphic Geology, v. 16, p. 259-279.

[MID] Neumayr, P., Mogessie, A., Hoinkes, G., and Puhl, J., 1996, Geological setting of the Meatiq metamorphic core complex in the Eastern Desert of Egypt based on amphibolite geochemistry: Journal of African Earth Sciences, v. 23, no. 3, p. 331-345.

[MID] Ramezani, Jahandar, and Tucker, R. D., 2003, The Saghand Region, Central Iran: U-Pb Geochronology, Petrogenesis and implications for Gondwana tectonics: American Journal of Science, v. 303, p. 622-665.

[MID] Stern, R. J., Johnson, Peter R., Kröner, Alfred, and Yibas, Bisrat, 2004, Neoproterozoic ophiolites of the Arabian-ANSian Shield, in Kusky, Timothy, M., eds., Precambrian Ophiolites and Related Rocks: Developments in Precambrian Geology, v. 13, p. 95-128, Elsevier.

[MID] Stern, R. J., Kröner, Alfred, and Rashwan, Abdul, A., 1991, A late Precambrian (~ 710 Ma) high volcanicity rift in the southern Eastern Desert of Egypt: Geologische Rundschau, v. 80, no. 1, p. 155-170.
[MID] Stöcklin, Jovan, 1968, Structural history and tectonics of Iran: A review: American Association of Petroleum Geologists Bulletin, v. 52, no. 7, p. 1229-1258.
[MID] Stoeser, D. B., and Camp, V. E., 1985, Pan-African microplate accretion of the Arabian Shield: Geological Society of America Bulletin, v. 96, no. 7, p. 817-826.
[MID] Tawadros, E. Edward, 2001, Geology of Egypt and Libya: A.A. Balkema, Rotterdam, 468 p.
[MID] Vail, J.R., 1987, Late Proterozoic tectonic terranes in the Arabian-ANSian Shield and their characteristic mineralization: Geologic Journal, v. 22, p. 161-174.
[MID] Vail, J.R., 1988, Tectonics and Evolution of the Proterozoic Basement of Northeastern Africa, Chapter 8, in El-Gaby, Samir, and Greiling, Reinhard O., eds., The Pan-African belt of northeast Africa and adjacent areas; tectonic evolution and economic aspects of a Late Proterozoic orogen: Friedr, Veiweg and Sohn, Braunschwerg, Federal Republic of Germany, p. 195-226.
[MID] Vail, J. R., 1985, Pan-African (late Precambrian) tectonic terrains and the reconstruction of the Arabian-ANSian Shield: Geology, v. 13, p. 839-842.
[MID] Willis, K.M., Stern, R.J., and Clauer, N., 1988, Age and geochemistry of Late Precambrian sediments of the Hammamat Series from the northeastern desert of Egypt: Precambrian Research, v. 42, p. 173-187.
[MID] Worthing, M.A., 2005, Petrology and geochronology of a Neoproterozoic dyke swarm from Marbat, South Oman: Journal of African Earth Sciences, v. 41, no. 3, p. 248-265

Regional or global references [REG]

[REG] Choubert, G., and Fauve-Muret, A., 1988, Carte géologique internationale de l'Afrique: Commission de la Carte géologique du Monde: CCGM/ et L'UNESCO, 6 sheets, 1:500,000-scale.
[REG] Chumakov, L.M., and Semikhatov, M.A., 1981, Riphean and Vendian of the USSR: Precambrian Research, v. 15, p. 229-253.
[REG] Evans, D.A.D., 2000, Stratigraphic, geochronological, and paleomagnetically constraints upon the Neoproterozoic climate: American Journal of Science, v. 300, p.347-433.
[REG] Ford, David, and Golonka, Jan, 2003, Phanerozoic paleogeography, paleoenvirnonment and lithofacies maps of the circum-Atlantic margins: Marine Petroleum Geology, v. 20, p. 249-285.
[REG] Goodwin, A.M., ed., 1991, Precambrian geology: the dynamic evolution of the continental crust: Academic Press, San Diego, Calif., 666 p.
[REG] Hambrey, M.J., and Harland, W.B., eds., 1981, Earth's pre-Pleistocene glacial record: International Geological Correlation Programme Project 38: Pre-Pleistocene Tillites, London, Cambridge University Press, 1004 p.
[REG] Kaufman, A. J., Knoll, Andrew, H., and Narbonne, Guy M., 1997, Isotopes, ice ages, and terminal Proterozoic earth history; Proceedings of the National Academy of Sciences, USA, v. 94, p. 6600-6605.

[REG] Khain, V., E., 1985, Geology of the USSR, First part, Old cratons and Paleozoic fold belts: Beitraege zur Regionalen Geologie de Erde, v. 17, 272 p.
[REG] Kirschvink, J. L., 1992, Late Proterozoic Low-Latitude Global Glaciation: the Snowball Earth, in Schopf, J. William, and Klein, Cornelis, eds., The Proterozoic biosphere: a multidisciplinary study: Cambridge University Press, Cambridge, United Kingdom, p. 51-52.
[REG] Knoll, A.H., Grotzinger, J.P., Kaufman, A.J., and Kolosov, P., 1995, Intergrated approaches to terminal Proterozoic stratigraphy: an example from the Olenek Uplift, northeastern Siberian, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 251-270.
[REG] Krill, B.S., and Maidanaskaya, I.D., Global facies distribution from Late Vendian to mid-Ordovician, Zhuraulev, Yu, ed. The Ecology of the Cambrian radiation: Columbia Press, New York, p.47-68.
[REG] Liegeois, J.P., and Black, R., 1993, Cratons, mobile belts, alkaline rocks and continental lithospheric mantle: the Pan-African testimony: Journal of the Geological Society of London, v. 150, p. 89-98.
[REG] Lobkovsky, L.I., Cloetingh, S., Nikishin, AM., Volozh, Yu. A., Lankreijer, A.C., Belyakov, S.L., Groshev, V.G., Fokin, P.A., Milanovsky, E.E., Pevzner, L.A., Gorbachev, V.I., and Korneev, M.A., 1996, Extensional basins of the former Soviet Union—structure, basin formation mechanisms and subsidence history: Tectonophysics, v. 266, p. 251-285.
[REG] Smith, Allen, Paleomagnetically and tectonically based global maps for Vendian to mid-Ordovician time in Zhuraulev, Yu, ed. The Ecology of the Cambrian radiation: Columbia Press, New York, p. 12 -46
[REG] Sochava, A.V., and Podkovyrov, V.N., 1995, The compositional evolution of Meso- and Neoproterozoic carbonate rocks, in Knoll, A.H., and Walter, Malcolm, eds., Neoproterozoic Stratigraphy and Earth History—Special Volume: Precambrian Research, v. 73, p. 283-289.
[REG] Sokolov, B.S., and Fedonkin, M.A., eds., 1990, The Vendian System vol. 2 Regional Geology: New York, Springer-Verlag, 273 p.
[REG] Zonenshain, L.P., Kuzmin, M.I., and Natapov, L.M., 1990, The Geology of the USSR: A plate-tectonic synthesis: American Geophysical Union, Washington, D.C., Geodynamics Series, v. 21, 242 p.
[REG] Zonenshain, L.P., Mezhelovsky, N.V., and Natapov, L.M., eds., 1988, Geodynamic Map of the USSR and adjacent seas: Ministry of Geology of the USSR, scale 1:2,500,000.

South America [SA]

[SA]Aceñolaza, Florencio Gilberto, and Durand, Felipe Ramón, 1986, Upper Precambrian-Lower Cambrian biota from the northwest Argentina: Geological Magazine, v. 123, no. 4, p. 367-375.
[SA] Aceñolaza, F.G., and Toselli, A.J., 1981, The Precambrian-lower Cambrian formations of northwestern Argentina, in Taylor, M.E., ed., Short Papers for the Second International Symposium on the Cambrian System: U.S. Geological Survey Open-File Report 81-743, p. 1-4.

[SA] Aceñolaza, Florencio G., Miller, Hubert, and Toselli, Alejandro J., 2002, Proterozoic-Early Paleozoic evolution in western South America–a discussion: Tectonophysics, v. 354, p. 121-137.
[SA] Aleman, Antenor M., and Ramos, Victor, A., 2000, Northern Andes, in Cordani, Umberto Giuseppe, Milani, Edison Jose, Thomaz Fiho, Antonio, eds., In-Folo Producao Editorial, Grafica e Programaco Visual, Rio de Janeiro, Brazil, p. 453-480.
[SA] Alkmim, Fernando F., Marshak, Stephen, and Fonseca, Marco A., 2001, Assembling West Gondwana in the Neoproterozoic: Clues from the São Francisco craton region, Brazil: Geology, v. 29, no. 4, p. 319-322.
[SA] Astini, R.A., 1998, Stratigraphical evidence supporting the rifting, drifting and collision of the Laurentian Precordillera terrane of western Argentina, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 11-33
[SA] Babinskim Marly, Chemale, Faird, Jr., Hartmann, L., A., van Schmus, W.R., and da Silva, Luiz Carlos, 1996, Juvenile accretion at 750-700 Ma in southern Brazil: Geology, v. 24, no. 5, p. 439-442.
[SA] Benedetto, Juan Luis, Puig, Enrique Ramírez, 1982, La secuencia sedimentaria precambrico-paleozoico inferior pericratonica del extreme norte de sudamerica y sus relaciones con las cuencas del norte de Africa: Quinto Congreso Latinoamericano de Geeologia, Argentina, 182, Actas, II, p. 411-425.
[SA] Bernasconi, A., 1983, Geological comparison of Precambrian and Early Paleozoic terrains between the southern west coast of Africa and the south-east coast of South America: Precambrian Research, v. 23, p. 9-31.
[SA] Bernasconi, A., 1987, The major Precambrian terranes of eastern South America: A study of their regional and chronological evolution: Precambrian Research, v. 37, p. 107-124.
[SA] Bordonaro, Osvaldo L., 1988, Biogeografia y evolucion gondwanica durante Paleozoic inferior in Tuselli, Alexandro J., Acenolaza, Florencio Gilberto; Leach Robeto Cicaardo, eds., Eventos del Paleozoic inferior en Latinoamerica; IGCP, International Geological Correlations Programe, Biogeografia del Cambrico Perigondwanico de Sudamerica: Serie Correlacion Geologica v 5, p. 109-130.
[SA] Bossi, Jorge, and Gaucher, Claudio, 2004, The Cuchilla Dionisio terrane, Uruguay: An allochthonous block accreted in the Cambrian to SW-Gondwana: Gondwana Research, v. 7, no. 3, p. 661-674.
[SA] Burke, Kevin C., and Lytwyn, Jennifer, 1993, Origin of the Rift under the Amazon Basin as a result of continental collision during Pan-African time: International Geology Reviews: v. 35, p. 881-897.
[SA] Caby, R., Arthaud, M.H., and Archanjo, C.J., 1995, Lithostratigraphy and petrostructural characterization of supracrustal units in the Brasiliano Belt of Northeastern Brazil: geodynamic implications: Journal of South American Earth Sciences, v. 8, nos. 3-4, p. 235-246.
[SA] Caby, R., Sial, A.N., Arthaud, M., and Vauchez, A., 1991, Crustal Evolution and the Braziliano Orgogeny in Northeast Brazil, in Dallmeyer, R.D., and Lécorché, J.P., eds., The West African orogens and circum-Atlantic correlatives: Springer-Verlag, Berlin, p. 373-397.
[SA] Caputo, Mário V., 1991, Solimões megashear: Interplate tectonics in northwestern Brazil: Geology, v. 19, no. 3, p. 246-249.

[SA] Caputo, Mário Vicente, 1984, Stratigraphy, Tectonics, Paleoclimatology and Paleogeography of Northern Basins of Brazil: Santa Barbara, University of California, Ph.D. dissertation, 605 p.
[SA] Case, J.E., Shagam, R., and Giegengack, R..F., 1990, Geology of the northern Andes; An overview, in Dengo, G., and Case, J.E., eds., The Caribbean region: Boulder, Colorado, Geological Society of America, The Geology of North America, v. H.
[SA] Castaing, C., Feybesse, J.L., Thiéblemont, D., Triboulet, C., Chèvremont, 1994, Palaeogeographical reconstruction of the Pan-African–Brasiliano orogen: closure of an oceanic domain or intracontinental convergence between major blocks?: Precambrian Research, v. 69, p. 327-344.
[SA] Cordani, U.G., Sato, K., Teixeiro W., Tassininari, C.C.G., and Basei, M.A.S., 2000, Crustal evolution of the South American Platform, in Cordani, U.G., Milani, E.J., Tomaz-Filho, A., and Campos, D.A., eds., Tectonic evolution of South America: 31st International Geological Congress, p. 19-40.
[SA] Cordani, Umberto G., Brito-Neves, Benjamin B., and S.D.'Agrella-Filho, Manoel, 2003, From Rodinia to Gondwana: A review of the available evidence from South America: Gondwana Research, v. 6, no. 2, p. 275-283.
[SA] Cordani, Umberto G., Sato, Kei, Teixeira, Wilson, Tassinari, Colombo C.G., and Basei, Miguel A.S., 2000, Crustal evolution of the South American Platform, in Cordani, U.G., Milani, E.J., Filho, A. Thomaz, and Campos, D.A., eds., Tectonic Evolution of South American, 31st International Geological Congress, p. 19-40.
[SA] Cordani, Umbertto G., and Sato, Kei, 2000, Crustal evolution of the South American Platform, based on ND isotopic systematics on granitoid rocks: Episodes, v. 22, no. 3, p. 167-173.
[SA] Cunningham, W. Dickson, Marshak, Stephen, and Alkmim, Fernando, 1996, Structural style of basin inversion at mid-crustal levels: two transects in the internal zone of the Brasiliano Araçuai Belt, Minas Gerais, Brazil: Precambrian Research, v. 77, p. 1-15.
[SA] Da Silva Schmitt, Renata, Trouw, Rudolph A.J., van Schmus, William Randall, and Pimentel, Márcio Martins, 2004, Late amalgamation in the central part of West Gondwana: new geochronological data and the characterization of a Cambrian collisional orogeny in the Ribeira Belt (SE Brazil): Precambrian Research, v. 133, nos. 1-2, p. 29-61.
[SA] Da Silva, Luiz Carlos, McNaughton, N. J., Armstrong, Richard, Hartmann, Léo Afraneo, and Fletcher, Ian R., 2005, The neoproterozoic Mantiqueira Province and its African connections: a zircon-based U-Pb geochronologic subdivision from the Brasiliano–Pan-African systems of orogens: Precambrian Research, v. 136, p. 203-240.
[SA] Da Silva, Luiz Carlos, McNaughton, Neal J., and Fletcher, I. R., 2005, SHRIMP U-Pb zircon geochronology of Neoproterozoic crustal granitoids (Southern Brazil): A case for discrimination of emplacement and inherited ages: Lithos, v. 82, p. 503-525.
[SA] Dall'Agnol, R., Costi, H.T., da S. Leite, A.A., de Magalhães, M.S., and Teixeira, N.P., 1999, Rapakivi granites from Brazil and adjacent areas: Precambrian Research, v. 95, p. 9-39.
[SA] Dalla-Salda, L., Bossi, J., and Cingolani, C., 1988, The Rio de la Plata cratonal region of southwestern Gondwanaland: Episodes, v. 11, no.4, p. 263-269.

[SA] Dalla-Salda, L.H., López de Luchi, M.G., Cingalani, C.A., and Varela, Ricardo, 1988, Laurentia-Gondwana collision: the origin of the Famatinian-Appalachian Orogenic Belt (a review), in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 219-234.

[SA] Dalla-Salda, Luis H., Dalziel, I. W.D., Cingolani, C. A., and Varela, Ricardo, 1992, Did the Taconic Appalachians continue into southern South America?: Geology, v. 20, p. 1059-1062.

[SA] Dalziel, I.W.D., 1986, Collison and Cordilleran orogenesis: an Andean perspective, in Coward, M.P., and Ries, A.C., eds., Collision Tectonics, Geological Society of London, Special Publications no. 19, p. 389-404.

[SA] Dantas, Elton Luiz, Hackspacher, Peter Christian, Fetter, Allen Hutcheson, Sato, Kei, Pimentel, Márcio Martins, and Godoy, Anhtonio Mission, 2000, ND Isotopic systematics related to Proterozoic evolution of the Central Ribeira belt in the State of São Paulo, SE Brazil: Revista Brasileira de Geociências, v. 30, no. 1, p. 140-143.

[SA] Dasch, Lawrence E., 1982, U-Pb geochronology of the Sierra de Perijá, Venezuela: Cleveland, Case Western Reserve University, M.S. thesis.

[SA] Davis, J. Steven, Roeske, Sarah M., McClelland, William C., and Kay, Suzanne M., 2000, Mafic and ultramafic crustal fragments of the southwestern Precordillelran terrane and their bearing on tectonic models of the early Paleozoic in western Argentina: Geology, v. 28, no. 2, p. 171-174.

[SA] Davison, Ian, and Dos Santos, Reginaldo Alves, 1989, Tectonic evolution of the Sergipango Fold Belt, NE Brazil, during the Brasiliano Orogeny: Precambrian Research, v, 45, p. 319-342.

[SA] De Almeida, F.F. M., Amaral, G., Cordani, U.G., and Kawashita, K., 1973, The Precambrian evolution of the South America cratonic margin south of the Amazon River, Chapter 11, in Nairn, Alan E.M., and Stehli, Francis, G., eds., The Ocean Basin and Margins, v. 1, The South Atlantic, New York, Plenum Press, p. 411-446.

[SA] De Almeida, F.F.M., Hasui, Y., De Brito Neves, B.B., and Fuck, R.A., 1981, Brazilian Structural Provinces: An Introduction: Earth-Science Reviews, v. 17, p. 1-29.

[SA] De Borba, André Weissheimer, Maraschin, Anderson José, and Pimentel, Ana Maria, 2004, Stratigraphic analysis and depositional evolution of the Neoproterozoic Maricá Formation (Southern Brazil): Constraints from field data and sandstone petrography: Gondwana Research, v. 7, no. 3, p. 871-886.

[SA] De Brito Neves, Benjamin Bley, 2002, Main stages of the development of the sedimentary basins of South America and their relationship with tectonics of supercontinents: Gondwana Research, v. 5, no. 1, p. 175-196.

[SA] De Brito Neves, Benjamin Bley, and Cordani, Umberto G., 1991, Tectonic evolution of South America during the Late Proterozoic: Precambrian Research, v. 53, p. 23-40.

[SA] De Brito Neves, Benjamin Bley, da Costa Campso Neto, Mário, and Fuck, Reinhardt Adolfo, 1999, From Rodinia to Western Gondwana: An approach to the Brasiliano-Pan African Cycle and orogenic collage: Episodes, v. 22, no. 3, p. 155-166.

[SA] Duarte, B.P., Valente, S.C., Heilbron, M., and Neto, Campos M.C., 2004, Petrogenesis of the Orthogneisses of the Mantiqueira Complex, Central Ribeira Belt, SE Brazil: An Archaean to Palaeoproterozoic Basement Unit Reworked During the Pan-African Orogeny: Gondwana Research, v. 7, no. 2, p. 437-450.
[SA] Egydio-Silva, Marcos, Vauchez, Alain, Bascou, Jérôme, and Hippertt, João, 2002, High-temperature deformation in the Neoproterozoic transpressional Ribeira belt, southeast Brazil: Tectonophysics, v. 252, p. 203-224.
[SA] Feo-Codecido, Gustavo, Smith, Foster D., Jr., Aboud, Nelson, and de Di Giacomo Estela, 1984, Basement and Paleozoic rocks of the Venezuelan Llanos basins, in Bonini, William E., Hargraves, Robert B., and Shagam, Reginald, eds., The Caribbean-South America plate boundary and regional tectonics: Geological Society of America Memoir 162, p. 175-187.
[SA] Fetter, Allen H., Saraiva dos Santos, Ticiano J., Van Schmus, William R., Hackspacher, Peter C., de Brito Neves, Benjamin Bley, Arthaud, Michael H., Neto, José A Nogueira, and Wernick, Eberhard, 2003, Evidence for Neoproterozoic Continental Arc Magmatism in the Santa Quitéria Batholith of Ceará State, NW Borborema Province, NE Brazil: Implications for the Assembly of West Gondwana: Gondwana Research, v. 6, no. 2, p. 265-273.
[SA] Flávio, Fernando, de Almeida, Marques, de Brito Neves, Benjamim Bley, Careiro, Celso Dal Ré, 2000, The origin and evolution of the South American Platform: Earth-Science Reviews, v. 50 p. 77-111.
[SA] Franz, Gerhard, and Lucassen, Friedrich, 2001, Comment on the paper "Puncoviscana folded belt in northwestern Argentina: testimony of Late Proterozoic Rodinia fragmentation and pre-Gondwana collisional episodes" by Omarini et al.: International Journal of Earth Sciences, v. 90, p. 890-893.
[SA] Fuarez, A. Forero, 1990, The basement of the Eastern Cordillera, Colombia: An allochthonous terrane in northwestern South America: Journal of South American Earth Sciences, v. 3, nos. 2-3, p. 141-151.
[SA] Gaucher, C., Sprechmann, P., and Montaña, 1998, New advances in the geology and paleontology of the Vendian to Cambrian Arroyo del Soldado Group of the Nico Pérez Terrane of Uruguay: N. Jb. Geol. Palaont. Mh., p. 106-118.
[SA] Gaucher, Claudio, Chiglino, Leticia, and Peçoits, Ernesto, 2004, Southernmost exposures of the Arroyo del Soldado Group (Vendian to Cambrian, Uruguay): Palaeogeographic implications for the amalgamation of W-Gondwana: Gondwana Research, v. 7, no. 3, p. 701-714.
[SA] Gaucher, Claudio, Sprechman, Peter, and Montaña, Juan, 1998, New advances in the geology and paleontology of the Vendian to Cambrian Arroyo del Soldado Group of the Nico Pérez Terrane of Uruguay: Neues Jahrbuch für Geologie und Paläontologie Monatshefte, no. 2, p. 106-118.
[SA] Geraldes, Mauro C., van Schmus, W. Randall, Condie, Kent C., Bell, Stephanie, Teixeira, Wilson, and Babinski, Marly, 2001, Proterozoic geologic evolution of the SW part of the Amazonian Craton in Mato Grosso state, Brazil: Precambrian Research, v. 111, p. 91-128.
[SA] González Bonorino, Gustavo, and González Bonorino, Félix, 1994, El armazón estratigráfico del Paleozoico inferior (Cámbrico-Devónico) en Sudamérica meridional; controles tectónicos y eustáticos; Revista de la Association Geológica Argentina, v. 49, nos. 3-4, p. 241-255.

[SA] Grissom, G.C., Debari, S.M., and Snee, L.W., 1998, Geology of the Sierra de Fiambalá, northwestern Argentina: implications for Early Paleozoic Andean tectonics, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 297-323.
[SA] Guimarães, Ignez P., Da Silva Filho, Adejardo F., Alemeida, Cícera Neysi, Van Schmus, W.R., Aráujo, João M.M., Melo, Silvana C., Melo, Evenildo B., 2004, Brasiliano (Pan-African) granitic magmatism in the Pajeú-Paráiba belt, Northeastern Brazil: an isotopic and geochronological approach: Precambrian Research, v. 135, p. 23-53.
[SA] Heilbron, Monica, and Machado, Nuno, 2003, Timing of terrane accretion in the Neoproterozoic-Eopaleozoic Ribeira orogen (SE Brazil): Precambrian Research, v. 125, nos. 1-2, p. 87-112.
[SA] Jezek, P., Willner, A.P., Aceñolaza, F.G., and Miller, H., The Puncoviscano trough–a large basin of Late Precambrian to Early Cambrian age on the Pacifc edge of the Brazilian shield: Geologische Rundschau, v. 74, no. 3, p. 573-584.
[SA] Karfunkel, Joachim, and Hoppe, Andreas, 1988, Late Proterozoic glaciation in central-eastern Brazil: Synthesis and model: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 65, p. 1-21.
[SA] Kay, Suzanne Mahlburg, Godoy, Estanislao, and Kurtz, Andrew, 2005, Episodic arc migration, crustal thickening, subduction erosion, and magmatism in the south-central Andes: Geological Society of America Bulletin, v. 117, nos. 1-2, p. 67-88.
[SA] Litherland, M., Annells, R.N., Darbyshire, D.P.F., Fletcher, C.J.N., Hawkins, M.P., Klinck, B.A., Mitchell, W.I., O'Connor, E.A., Pitfield, P.E.J., Power, G., and Webb, B.C., 1989, The Proterozoic of Eastern Bolivia and its Relationship to the Andean Mobil Belt: Precambrian Research, v. 43, no. 3, p. 157-174.
[SA] Litherland, M., Klinck, B.A., O'Connor, E.A., and Pitfield, P.E.J., 1985, Andean-trending mobile belts in the Brazilian Shield: Nature, v. 314, no. 6009, p. 345-348.
[SA] Lucassen, F., Becchio, R., Wilke, H.G., Franz, G., Thirlwall, M.F., Viramonte, J., and Wemmer, K., 2000, Proterozoic-Paleozoic development of the basement of the Central Andes (18-26 °S)—a mobile belt of the South American craton: Journal of South American Earth Sciences, v. 13, p. 697-715.
[SA] Machado, N., Valladares, C., Heilbron, M., and Valeriano, C., 1996, U-Pb geochronology of the central Ribeira belt (Brazil) and implications for the evolution of the Brazilian Orogeny: Precambrian Research, v. 79, p. 347-361.
[SA] Martins-Neto, M.A., Pedrosa-Soares, A.C., and Lima, S.A.A., 2001, Tectono-sedimentary evolution of sedimentary basins from Late Paleoproterozoic to Late Neoproterozoic in the São Francisco craton and Araçuaí fold belt, eastern Brazil, in Eriksson, P.G., Catuneanu, O., Aspler, L.B., Chiarenzelli, J.R., and Martins-Neto, M.A., eds., The influence of magmatism, tectonics, sea level change and palaeo-climate on Precambrian basin evolution: change over time—Special Issue: Sedimentary Geology, v. 141-142, p. 343-370.
[SA] Mc Court, W.J., Aspden, J.A., and Brook, M., 1984, New geological and geochronological data from the Colombian Andes: continental growth by multiple accretion: Journal of the Geological Society of London, v. 141, p. 831-845.

[SA] Milani, Edison José, and Zalán, Pedro Victor, 1999, An outline of the geology and petroleum systems of the Paleozoic interior basins of South American: Episodes, v. 22, no. 3, p. 199-205.
[SA] Misi, Aroldo, and Veizer, Ján, 1998, Neoproterozoic carbonate sequences of the Una Group, Irecê Basin, Brazil: chemostratigraphy, age and correlations: Precambrian Research, v. 89, p. 87-100.
[SA] Monié, P., Caby, R., and Arthaud, M.H., 1997, The Neoproterozic Brasiliano orogeny in northeast Brazil: 40Ar/39Ar and petrostructural data from Ceará: Precambrian Research, v.81, p. 241-264.
[SA] Mossakovsky, A.A., Ruzhentsev, S.V., Samygin, S.G., and Kheraskova, T.M., 1994, Central Asian fold belt: Geodynamic evolution and formation history: Geotectonics, v. 27, no. 6, p. 445-474.
[SA] Nascimento, Rielva S.C., Sial, Alcides N., and Pimentel, Márcio M., 2004, Chemostratigraphy of medium-grade marbles of the Late Neoproterozoic Seridó Fold Belt, northeastern Brazil: Gondwana Research, v. 7, no. 3, p. 731-744.
[SA] Neves, Sérgio P., Mariano, Gorki, Guimarães, da Silva Filho, Adejardo F., Melo, Silvana C., 2000, Intralithospheric differentiation and crustal growth: Evidence from the Borborema province, northeastern Brazil: Geology, v. 28, no. 6, p. 519-522. Nogueira, Afonso César Rodrigues, Riccomini, Claudio, Sial, Alcides Nóbrega, Moura, Candido Augusto Veloso, and Fairchild, Thomas Rich, 2003, Soft-sediment deformation at the base of the Neoproterozoic Puga cap carbonate (southwestern Amazon craton, Brazil): Confirmation of rapid icehouse to greenhouse transition in snowball Earth: Geology, v. 31, no. 7, p. 613-616.
[SA] Omarini, R.H., Sureda, R.J., Götz, H.-J., Seilacher, A., and Pflüger, F., 1999, Puncoviscana folded belt in northwestern Argentina: testimony of Late Proterozoic Rodinia fragmentation and pre-Gondwana collisional episodes: International Journal of Earth Sciences, v. 88, p. 76-97.
[SA] Pankhurst, R.J., Rapela, C.W., Saavendra, J., Baldo, E., Dahlquist, J., Pascua, I., and Fanning, C.M., 1998, The Famatinian magmatic arc in the central Sierras Pampeanas: an Early to Mid-Ordovician continental arc on the Gondwana margin, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications no. 142, p. 343-367.
[SA] Pankhurst, R. J., and Rapela, Carlos W., eds., 1998, The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications no. 142, 383 p.
[SA] Pedrosa-Soares, A.C., Noce, C.M., Wiedemann, C.M., and Pinto, C.P., 2001, The Araçuaí-West-Congo Orogen in Brazil: an overview of a confined orogen formed during Gondwanaland assembly: Precambrian Research, v. 110- nos. 1-4, p. 307-323.
[SA] Pedrosa-Soares, Antônio Carlos, and Wiedemann, Cristina Maria, 2000, Evolution of the Araçuaí Belt and its connection to the Ribeira Belt, Eastern Brazil, in Cordani, Umberto Giuseppe, Milani, Edison Jose, and Thomas Filho, Antion, eds., Tectonic evolution of South American, In-Folo Producao Editorial, Grafica e Programacao Visual, Rio de Janeiro, Brazil, p. 265-285.
[SA] Pedrosa-Soares, Antônio Carlos, Vidal, Philippe, Leonardos, Othon Henry, de Brito-Neves, Benjamin Bley, 1998, Neoproterozoic oceanic remnants in eastern Brazil: Further evidence and refutation of an exclusively ensialic evolution of the Arçuaí-West Congo orogen: Geology, v. 26, no. 6, p. 519-522.

[SA] Pimentel de Bellizzia, N., 1992, Paleozoico inferior; una síntesis del Noroeste de América del Sur (Venezuela, Colombia y Ecuador), in Liso Rubio, M.J., ed., Universidad de Extremadura, Badajoz, Spain, p. 203-224.
[SA] Pimentel, M.M., and Fuck, R.A., 1992, Neoproterozoic crustal accretion in central Brazil: Geology, v. 20, p. 375-379.
[SA] Pimentel, M.M., Fuck, R.A., Botelho, N.F., 1999, Granites and the geodynamic history of the Neoproterozoic Brasília belt, central Brazil: a review: Lithos, v. 46, p. 463-483.
[SA] Pimentel, Márcio M., Fuck, Reinhardt A., and Botelho, Nilson F., 1999, Granites and the geodynamic history of the neoproterozoic Brasília belt, Central Brazil: a review: Lithos, v. 46, p. 463-483.
[SA] Pimentel, Márcio Martins, Fuck, Reinhardt Adolfo, 1992, Neoproterozoic crustal accretion in central Brazil: Geology, v. 20, p. 375-379.
[SA] Piuzana, Danielle, Pimentel, Márcio Martins, Fuck, Reinhardt, A., and Armstrong, Richard, 2003, SHRIMP U-Pb and Sm-Nd data for the Araxá Group and associated magmatic rocks: constraints for the age of sedimentation and geodynamic context of the southern Brasília Belt, central Brazil: Precambrian Research, v. 125, nos. 1-2, p. 139-160.
[SA] Ramos, V.A., and Aleman, A., 2000, Tectonic evolution of the Andes, in Cordani, U.G., Milani, E.J., Thomas, F., and Campos, D.A., Tectonic evolution of South America: 31st International Geological Congress, Rio de Janeiro, p. 635-685.
[SA] Ramos, Victor A., 1988, Late Proterozoic-Early Paleozoic of South America-a collisional history: Episodes, v. 11, no. 3, p. 168-174.
[SA] Ramos, Victor A., Dallmeyer, R.D., and Vujovich, Graciela, 1998, Time constraints on the Early Palaeozoic docking of the Precordillera, central Argentina, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 143-158.
[SA] Rapela, C.W., Pankhurst, R.J., Casquet, C., Baldo, E., Saavedra, J., Galindo, C., 1998, Early evolution of the Proto-Andean margin of South America: Geology, v. 26, no. 8, p. 707-710.
[SA] Rapela, C.W., Pankhurst, R.J., Casquet, C., Baldo, E., Saavedra, J Galindo, C., and Fanning, C.M., 1998, The Pampean Orogeny of the southern proto-Andes: Cambrian continental collision in the Sierras de Córdoba, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 181-217.
[SA] Rapela, Carlos, W., 2000, The Sierras Pampeanas of Argentina: Paleozoic building of the southern Proto-Andes, in Cordani, Umberto Giuseppe, Milani, Edison Jose, and Thomas Filho, Antion, eds., Tectonic evolution of South American, In-Folo Producao Editorial, Grafica e Programacao Visual, Rio de Janeiro, Brazil, p. 381-387.
[SA] Restrepo, Jorge J., and Toussaint, Jean F., 1988, Terranes and continental accretion in the Colombian Andes: Episodes, v. 11, no. 3, p. 189-193.
[SA] Restrepo, Pedro A., 1995, Late Precambrian to Early Mesozoic tectonic evolution of the Colombian Andes, based on new geochronological geochemical an isotopic data: Tucson, University of Arizona, Ph.D. dissertation, 195 p.

[SA] Restrepo-Pace, P.A., 1992, Petrotectonic characterization of the Central Andean Terrane, Colombia: Journal of South American Earth Sciences, v. 5, no. 1, p. 97-116.
[SA] Restrepo-Pace, Pedro A., Ruiz, Joaquin, Gehrels, George, and Cosca, Michael, 1997, Geochronology and Nd isotopic data of Grenville-age rocks in the Colombian Andes: new constraints for Late Proterozoic-Early Paleozoic paleocontinental reconstructions of the Americas: Earth and Planetary Science Letters, v. 150, p. 427-441.
[SA] Saalmann, K., Hartmann, L.A., Remus, M.V.D., Koester, E., Conceição, R.V., 2005, Sm-Nd isotope geochemistry of metamorphic volcano-sedimentary successions in the São Gabriel Block, southernmost Brazil: evidence for the existence of juvenile Neoproterozoic oceanic crust to the east of the Rio de la Plata craton: Precambrian Research, v. 136, p. 159-175.
[SA] Santos, João Orestes Schneider, Potter, Paul Edwin, Reis, Nélson Joaquim, Hartmann, Léo Afraneo, Fletcher, Ian Robert, and McNaughton, Neal J., 2003, Age, source, and regional stratigraphy of the Roraima Supergroup and Roraima-like outliers in northern South America based on U-Pb geochronology: Geological Society of America Bulletin, v. 115, no. 3, p. 331-348.
[SA] Sato, Kei, Siga, Oswaldo, Jr., Nutman, Allen P., Basei, Miguel A.S., McReath, Ian, and Kaulfuss, Gilberto, 2003, The Atuba Complex, Southern South American Platform: Archaean Components and Paleoproterozoic to Neoproterozoic Tectonothermal Events: Gondwana Research, v. 6, no. 2, p. 251-263.
[SA] Schwartz, J. J., and Gromet, L. Peter, 2004, Provenance of a late Proterozoic-early Cambrian basin, Sierras de Córdoba, Argentina: Precambrian Research, v. 129, nos. 1-2, p. 1-21.
[SA] Shackleton, R.M., Ries, A.C., Coward, M.P., and Cobbold, P.R., 1979, Structure, metamorphism and geochronology of the Arequipa Massif of coastal Peru: Journal of the Geological Society of London, v. 136, p. 195-214.
[SA] Sims, J.P., Ireland, T.R., Camacho, A., Lyons, P., Pieters, P.E., Skirrow, R.G., Stuart-Smith, P.G., and Miró, R., 1998, U-Pb, Th-Pb and Ar-Ar geochronology from the southern Sierras Pampeanas, Argentina: implications for the Paleozoic tectonic evolution of the western Gondwana margin, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 259-281.
[SA] Soruco, R. Suarez, 1992, El Paleozoico Inferior de Bolivia y Perú, in Liso Rubio, M.J., ed., Universidad de Extremadura, Badajoz, Spain, p. 225-240.
[SA] Tankard, A.J., Suárez, Soruco, R., and Welsink, H.J., eds., 1995, Petroleum Basin of South America: American Association of Petroleum Geologists AAPG Memoir v. 62, 792 p.
[SA] Thomas, W. A., and Astini, R. A., 1996, The Argentine Precordillera: A Traveler from the Ouachita Embayment of North American Laurentia: Science, v. 273, no. 5276, p. 752-757.
[SA] Torquato, Joaquim Raul, and Cordani, Umberto G., 1981, Brazil-Africa Geological Links: Earth-Science Reviews, v. 17, p. 155-176. [AFRICA]
[SA] Van Schmus, W.R., De Brito Neves, B.B., Hackspacher, P., and Babinski, M., 1995, U-Pb and Sm-Nd geochronologic studies of the eastern Borborema Province, Northeastern Brazil: initial conclusions: Journal of South American Earth Sciences, v. 8, nos. 3-4, p. 267-288.

[SA] Von Gosen, W., and Prozzi, C., 1998, Structural evolution of the Sierra de San Luis (Eastern Sierras Pampeanas, Argentina): implications for the Proto-Andean Margin of Gondwana, in Pankhurst, R.J., and Rapela, C.W., eds., The Proto-Andean Margin of Gondwana: Geological Society of London, Special Publications, 142, p. 235-258.
[SA] Wörner, G., Lezaun, J., Beck, A., Heber, V., Lucassen, F., Zinngrebe, E., Rössling, R., and Wilke, H.G., 2000, Precambrian and Early-Paleozoic evolution of the Andean basement at Belen (northern Chile) and Cerro Uyarani (western Bolivia Altiplano): Journal of South American Earth Sciences, v. 13, p. 717-737.
[SA] Zeze, Pavel, Willner, Arne P., Aceñolaza, Florencio G., and Miller, Hubert, 1985, The Puncoviscana trough – a large basin of Late Precambrian to Early Cambrian age on the Pacific edge of the Brazilian shield: Geologische Rundschau v. 74, no. 3, p. 573-584.

Siberia, including Kolyma and adjacent regions [SI]

[SI] Abramoovich, I.I., Voznesekskii, S.D., and Mannafov, N.G., 1999, Geodynamic history of the Okhotsk–Kolyma Region: Geotectonics, v. 33, no. 5, p. 399-407.
[SI] Avdeyev, A.V., 1984, Ophiolite zones and the geologic history of Kazakhstan from the mobilist standpoint: International Geology Review, v. 26, no. 9, p. 995-1005.
[SI] Buslov, M.M., Watanabe, I.Y., Saphonova, I.Y, Iwata, K., Travin, A, and Akiyama, M.K., 2002, A Vendian-Cambrian Island Arc System of the Siberian Continent in Gory Altai (Russia, Central Asia): Gondwana Research, v. 5, no. 4, p. 781-800.
[SI] Churkin, Michael Jr., and Trexler, James H. Jr., 1981, Continental plates and accreted oceanic terranes in the Arctic, in Nairn, Akin E.N., Churkin, Michael Jr., and Stehli, Francis G., eds., The Ocean Basins and Margins: Plenum Press, New York, p. 1-20.
[SA] Dala-Salda, Luis, Bossi, Jorge, and Cingolani, Carlos, 1988, The Rio de la Plata Cratonic region of southwestern Gondwanaland: Episodes, v. 11, no. 4, p. 263-269.
[SA] Gaucher, Claudio, Boggiani, Paulo César, Sprechmann, Peter, Sial, Alcides Nóbrega, and Fairchild, Thomas, 2003, Integrated correlation of the Vendian to Cambrian Arroyo del Soldado and Corumbá Groups (Uruguay and Brazil): palaeogeographic, paleoclimatic and paleobiologic implications: Precambrian Research, v. 120, nos. 3-4, p. 241-278.
[SI] Grinberg, G.A., Gusev, G.S., Milanovskiy, Ye.Ye., Mokshantsev, K.B., Slavin, V.I., and Khain, V. Ye., 1977, Constitution and development of the Kolyma Massaif in the light of new data: Geotectonics, v. 11, no. 4, p. 260-268.
[SI] Khain, V. E., Gusev, Gregory S., Khain, E.V., Vernikovsky, V. A., and Volobuyev, M. I., 1997, Circum-Siberian Neoproterozoic ophiolite belt: Ofioliti, v. 22, no. 2, p. 195-200.
[SI] Khomentovsky, V.V., 1986, The Vendian System of Siberia and a standard stratigraphic scale: Geological Magazine, v. 123, no. 4, p. 333-348.
[SI] Khudoley, A.K., Rainbird, R.H., Stern, R.A., Kropachev, A.P., Heaman, L.M., Zanin, A.M., Podkovyrov, V.N., Belova, V.N., and Sukhorukov, V.I., 2001, Sedimentary evolution of the Riphean–Vendian basin of southeastern Siberia: Precambrian Research, v. 11, p. 129-163.

[SI] Kuzmichev, A.B., Bibikova, E.V., and Zhuravlev, D.Z., 2001, Neoproterozoic (~ 800 Ma) orogeny in the Tuva-Mongolia Massif (Siberia): island arc–continent collision at the northeast Rodinia margin: Precambrian Research, v. 110, p. 109-126.
[SI] Kuzmichev, A.B., Bibikova, E.V., and Zhuravlev, D.Z., 2001, Neoproterozoic (~ 800 Ma) orogeny in the Tuva-Mongolia Massif (Siberia): island arc–continent collision at the northeast Rodinia margin: Precambrian Research, v. 110, p. 109-126.
[SI] Natapov, L.M., Zonenshayn, L.P., Shul'Gina, V.S., Surmilova, Ye.P., Degtyarev, V.S., Savosina, A.K., Artemov, A.V., Katts, A.G., and Stavskiy, A.P., 1977, Geological development of the Kolyma-Indigirka Region and the problem of the Kolyma Massif: Geotectonics, v. 11, no. 4, p. 252-259.

[SI] Parfenov, L.M., Natapov, L.M., Sokolov, S.D., and Tsukanov, N.V., 1993, Terranes and accretionary tectonics of northeastern Asia: Geotectonics, v. 27, no. 1, p. 62-72.

[SI] Pelechaty, S. M., 1996, Stratigraphic evidence for the Siberia-Laurentia connection and Early Cambrian rifting: Geology, v. 24, no. 8, p. 719-722.

[SI] Pelechaty, S. M., 1998, Integrated chronostratigraphy of the Vendian System of Siberia: implications for a global stratigraphy: Journal of the Geological Society of London, v. 155, p. 957-973.

[SI] Pelechaty, S.M., Grotzinger, J.P., Kashirtsev, V.A., 1996, Chemostratigraphic and sequence stratigraphic constraints on Vendian-Cambrian basin dynamics, northeastern Siberian craton: The Journal of Geology, v. 104, p.543-563.

[SI] Pelechaty, S.M., Kaufman, A. J., and Grotzinger, J. P., 1996, Evaluation of 13C chemostratigraphy for intrabasinal correlation: Vendian strata of northeast Siberia: Geological Society of America Bulletin, v.108, no. 8, p. 992-1003.

[SI] Repina, L.N., 1981, Trilobite biostratigraphy of the Lower Cambrian stages in Siberia, in Taylor, Michael E., ed., Short papers for the Second international symposium on the Cambrian System: U.S. Geological Survey Open-File Report 81-743, p. 173-180.

[SI] Rainbird, R. H., Stern, R. A., Khudoley, Andrei K., Kropachev, Anatoly P., Heaman, Larry M., and Sukhorukov, Vladimir I., 1998, U-Pb geochronology of Riphean sandstone and gabbro from southeast Siberia and its bearing on the Laurentia–Siberia connection: Earth and Planetary Sciences, v. 164, p. 409-420.

[SI] Shapiro, M.N., and Ganelin, V.G., 1990, Paleotectonics of the northeastern USSR (Reply to J.A. Talent): Geotectonics, v. 24, no. 2, p. 193-195.

[SI] Shpunt, B.R., 1988, Continental riftogenesis in the Late Precambrian on the Siberian Platform: Geotectonics, v. 22, no. 6, p. 504-510.

[SI] Sklyarov, E.V., Gladkochub, D.P., Mazukabzov, A.M., Meshangin, Yu. V., Watanabe, T., and Pisarevsky, S.A., 2003, Neoproterozoic mafic dike swarms of the Sharyzhalgai metamorphic massif, southern Siberian craton: Precambrian Research, v. 122, nos. 1-4, p. 359-376.

[SI] Talent, J.A., 1990, Discussions, Relationships between lithospheric blocks in the northeastern USSR: Autochthons or Exotic Terranes?, some comments concerning the article of M.N. Shapiro and V.G. Ganelin, "Paleotectonic relationships of large blocks in the Mesozoides of the northeastern USSSR" (Geotektonika, 1988, no. 5, pp. 94-104): Geotectonics, v.24, no. 2, p. 190-192.

[SI] Vernikosky, V.A., Vernikoskaya, A.E., Kotov, A.B., Sal'nikova, E.B., and Kovach, V.P., 2003, Neoproterozioic accretionary and collisional events on the western margin of the Siberian craton: new geological and geochronological evidence from the Yenisey Ridge: Tectonophysics, v. 375, p. 147-168.
[SI] Vernikovskiy, Valeriy A., Vernikovskaya, Antonnia E., and Chernykh, Aleksandr I., 1998, Neoproterozoic Taymyr Ophiolitic Belts and opening of the Paleo-Pacific Ocean: International Geology Review, v. 40, p. 528-538.
[SI] Vernikovsky, V. A., 1997, Neoproterozoic and Late Paleozoic Taimyr Orogenic and Ophiolitic Belts, North Asia: A review and models for their formation, in Zhigin, Xu, Yufeng, Ren, and Xiaoping, Qiu, eds., Orogenic Belts Geologic Mapping, v. 7, Proceedings of the 30th International Congress, Beijing, China, 4-14 August 1996, VSP Utrecht, The Netherlands.
[SI] Vernikovsky, V.A., and Vernikovskaya, A.E., 2001, Central Taimyr accretionary belt (Arctic Asia): Meso-Neoproterozoic tectonic evolution and Rodinia breakup: Precambrian Research, v. v. 110, nos. 1-4, p. 127-141.
[SI] Vernikovsky, V.A.,Vernikovskaya, A.E., Pease, V.L., and Gee, D.G., 2004, Neoproterozoic orogeny along the margins of Siberia:: Geolotiacal Society ot London, Memoirs, v. 30, p. 233-248.
[SI] Volobuyev, M.I., 1994, Riphean ophiolite complex of Yenisey Range: Geotectonics, v. 27, no. 6, p. 524-528.

Acknowledgements:

I wish to think John Galloway for a tremendous job in helping prepare the bibliography; to Barry Moring for his continual efforts to inform me about how to get satisfactory results from a computer; to Paul Stone and Warren Nokleberg for reviews of manuscript; to Robert Stern who suggested sources of information.; and to Jeff Doebrich and Harry Cook for information on Kazakhstan.