

Ron Blakey, Publications (does not include abstracts)

The publications listed below were mainly produced during my tenure as a member of the Geology Department at Northern Arizona University. Those after 2009 represent ongoing research as Professor Emeritus.

(PDF) – A PDF is available for this paper. Send me an email and I'll attach to return email

- Blakey, R.C., 1973, Stratigraphy and origin of the Moenkopi Formation of southeastern Utah: *Mountain Geologist*, vol. 10, no. 1, p. 1 17.
- Blakey, R.C., 1974, Stratigraphic and depositional analysis of the Moenkopi Formation, Southeastern Utah: *Utah Geological Survey Bulletin* 104, 81 p.
- Blakey, R.C., 1977, Petroliferous lithosomes in the Moenkopi Formation, Southern Utah: *Utah Geology*, vol. 4, no. 2, p. 67 84.
- Blakey, R.C., 1979, Oil impregnated carbonate rocks of the Timpoweap Member Moenkopi Formation, Hurricane Cliffs area, Utah and Arizona: *Utah Geology*, vol. 6, no. 1, p. 45 54.
- Blakey, R.C., 1979, Stratigraphy of the Supai Group (Pennsylvanian Permian), Mogollon Rim, Arizona: in *Carboniferous Stratigraphy of the Grand Canyon Country, northern Arizona and southern Nevada, Field Trip No. 13, Ninth International Congress of Carboniferous Stratigraphy and Geology*, p. 89 109.
- Blakey, R.C., 1979, Lower Permian stratigraphy of the southern Colorado Plateau: in *Four Corners Geological Society, Guidebook to the Permian of the Colorado Plateau*, p. 115 129.
- (PDF) Blakey, R.C., 1980, Pennsylvanian and Early Permian paleogeography, southern Colorado Plateau and vicinity: in *Paleozoic Paleogeography of west central United States, Rocky Mountain Section, Society of Economic Paleontologists and Mineralogists*, p. 239 258.
- Blakey, R.C., Peterson, F., Caputo, M.V., Geesaman, R., and Voorhees, B., 1983, Paleogeography of Middle Jurassic continental, shoreline, and shallow marine sedimentation, southern Utah: *Mesozoic Paleogeography of west central United States, Rocky Mountain Section of Society of Economic Paleontologists and Mineralogists (Symposium)*, p. 77 100.
- (PDF) Blakey, R.C., and Gubitosa, R., 1983, Late Triassic paleogeography and depositional history of the Chinle Formation, Southern Utah and northern Arizona: *Mesozoic Paleogeography of the west central United States, Rocky Mountain Section of Society of Economic Paleontologists and Mineralogists (Symposium)*, p. 57 76.
- Blakey, R.C., and Middleton, L.T., 1983, Permian shoreline eolian complex in Central Arizona: Dune changes in response to cyclic sea level changes: *Developments in Sedimentology Modern and Ancient Eolian Deposits*, Elsevier, New York, p. 551 581.
- (PDF) Middleton, L.T., and Blakey, R.C., 1983, Sedimentologic processes and controls on the intertonguing of the fluvial Kayenta Formation and eolian Navajo Sandstone, northern Arizona and southern Utah: *Developments in*

- Sedimentology Modern and Ancient Eolian Deposits, Elsevier, New York, p. 613-634.
- Blakey, R.C., and Middleton, L.T., 1983, Lower Mesozoic stratigraphy and depositional systems, southwest Colorado Plateau: in Marzolf, J. E., and Dunne, G. C., Evolution of early Mesozoic tectonostratigraphic environments southwestern Colorado Plateau to southern Inyo Mountains, Guidebook Part 2 Geologic Society of America, Utah Geologic and Mineral Survey Special Studies 60, p. 33-39.
- Blakey, R.C., 1984, Marine sand wave complex in the Permian of central Arizona: Journal Sedimentary Petrology, vol. 54, p. 29-51.
- Blakey, R.C., and Gubitosa, R., 1984, Sandstone body geometry and architecture of the Triassic Chinle Formation, Colorado Plateau: Sedimentary Geology, vol. 38, p. 51-86.
- Blakey, R.C., and Baars, D., 1987, Monument Valley, Arizona and Utah, in Beus, S.S. (ed.), Centennial Field Guide Volume 2: Rocky Mountain Section of the Geological Society of America, p. 361-364.
- Blakey, R.C., 1988, Basin tectonics and erg response: Sedimentary Geology, vol. 56, p. 127-151.
- Blakey, R.C., Peterson, F., and Kocurek, G., 1988, Late Paleozoic and Mesozoic eolian deposits of the Western Interior of the United States: Sedimentary Geology, vol. 56, p. 3-125.
- Blakey, R.C., 1988, Superscoops: their significance as elements of eolian architecture: Geology, vol. 16, p. 483-487.
- Clemmensen, L.B., and Blakey, R.C., 1989, Erg deposits in the Lower Jurassic Wingate Sandstone, northeastern Arizona: oblique dune sedimentation: Sedimentology, vol. 36, p. 449-470.
- Blakey, R.C., and Knepp, R., 1989, Pennsylvanian and Permian geology of Arizona: in Jenney, J.P. and Reynolds, S.J., Geologic evolution of Arizona, Arizona Geological Society Digest 17, p. 313-347.
- Blakey, R.C., 1989, Triassic and Jurassic geology of southern Colorado Plateau: in Jenney, J.P. and Reynolds, S.J., Geologic evolution of Arizona, Arizona Geological Society Digest 17, p. 369-396.
- Clemmensen, L.B., Olsen, H., and Blakey, R.C., 1989, Erg-margin deposits in the Lower Jurassic Moenave Formation and Wingate Sandstone, southern Utah: Geological Society of America Bulletin, vol. 101, p. 759-773.
- Blakey, R.C., 1990, Supai Group and Hermit Formation, in Beus, S. S. and Morales, M. (eds.): Geology of Grand Canyon, Oxford University Press.
- (PDF) Blakey, R.C., 1990, Stratigraphy and geologic history of Pennsylvanian and Permian rocks, Mogollon Rim region, central Arizona and vicinity: Geological Society of America Bulletin, p. 1189-1217.
- Kocurek, G., Havholm, K.G., Deynoux, M., and Blakey, R.C., 1991, Amalgamated accumulations resulting from climatic and eustatic changes, Akchar Erg, Mauritania: Sedimentology, v. 38, p. 751-772.
- Havholm, K.G., Blakey, R.C., Capps, M., Jones, L.S., King, D.D., and Kocurek, G., 1993, Eolian genetic stratigraphy: an example from the Middle Jurassic Page

Sandstone, Colorado Plateau: International Association of Sedimentologists Special Publication 16, p. 87-107.

- Jones, L.S., and Blakey, R.C., 1993, Erosional remnants and adjacent unconformities along an eolian-marine boundary of the Page Sandstone and Carmel Formation, Middle Jurassic, south-central Utah: *Journal of Sedimentary Petrology*, v. 62, p. 852-859.
- Riggs, N.R., and Blakey, R.C., 1993, Early and Middle Jurassic paleogeography and volcanology of Arizona and adjacent areas: *Society of Economic Paleontology and Mineralogy, Pacific Section, Mesozoic Paleogeography*, Book 71, p. 347-375.
- Blakey, R.C., Basham, E.L., and Cook, M.J., 1993, Early and Middle Triassic paleogeography, Colorado Plateau and vicinity in Morales, M., ed., *Aspects of Mesozoic Geology and Paleontology of the Colorado Plateau: Museum of Northern Arizona Bulletin* 59, p.13-26.
- Blakey, R.C., 1994, Paleogeographic and tectonic controls on some Lower and Middle Jurassic erg deposits, Colorado Plateau, in Caputo, M.V., Peterson, J.A., Franczyk, J.J., (eds.), *Mesozoic systems of the Rocky Mountain region, USA: Rocky Mountain Section, Society of Economic Paleontologists and Mineralogists, Special Publication*, p. 273-298.
- Blakey, R.C., 1995, Tracks of time: *Ca-on Journal*, v. 1, p. 48-53.
- Blakey, R.C., and Parnell, R.A., 1995, Middle Jurassic magmatism: the volcanic record in the eolian Page Sandstone and related Carmel Formation, Colorado Plateau, in Busby, C.J., and Miller, D.M., (eds.), *Jurassic magmatism and tectonics of the North American Cordillera: Geological Society of America Special Paper* 199, p. 393-411.
- Blakey, R.C., 1996, Permian eolian deposits, sequences, and sequence boundaries, Colorado Plateau, in Sonnenfeld, M.D. and Longman, M.W. (eds.), *Paleozoic systems of the Rocky Mountain Region: Rocky Mountain Section SEPM*, Denver, p.405-426.
- (PDF) Blakey, R.C., Havholm, K.G., and Jones, L.S., 1996, Stratigraphic analysis of eolian interactions with marine and fluvial deposits, Middle Jurassic Page Sandstone and Carmel Formation, Colorado Plateau, U.S.A.: *Journal of Sedimentary Research*, v. 66, p. 324-342.
- Jones, L. S., and Blakey, R. C., 1997, Eolian - fluvial interaction in the Page Sandstone (Middle Jurassic) in south-central Utah, USA: a case study of erg-margin processes: *Sedimentary Geology*, v 109, p. 181-198.
- Blakey, R.C., 2003, Supai Group and Hermit Formation, in Beus, S. S. and Morales, M. (eds.): *Geology of Grand Canyon*, 2nd edition, Oxford University Press, p. 136-162.
- (PDF) Elliott, D. K., and R. C. Blakey. 2005, The pre-Permian vertebrate record in Arizona; in, A. Heckert and S. Lucas (eds.), *Vertebrate Paleontology in Arizona. New Mexico Museum of Natural History and Science Bulletin* No. 29, p. 1-9
- Elliott, D. K., and R. C. Blakey. 2005, Paleozoic Vertebrates of Arizona. In, R. McCord (ed.) *The Vertebrate Paleontology of Arizona. Mesa Southwest Museum Bulletin*, p. 1-17.

- (PDF) Umhoefer, P.J. and Blakey, R.C., 2006, Moderate (1600 km) northward translation of Baja British Columbia from southern California: An attempt at reconciliation of paleomagnetism and geology, in Haggart, J.W., Enkin, R.J. and Monger, J.W.H., eds., *Paleogeography of the North American Cordillera: Evidence For and Against Large-Scale Displacements*: Geological Association of Canada, Special Paper 46, p. 305-327.
- (PDF) Algeo, T. J., Lyons, T. W., Blakey, R. C., and Over, J. D., 2007, Hydrographic Conditions of the Devonian-Carboniferous North American Seaway Inferred from Sedimentary Mo-TOC Relationships: *Palaeogeography, Palaeoclimatology, Palaeoecology* v. 256 p.204-230.
- Raucci, J. J., Blakey, R. C., and Umhoefer, P. J., 2006, New Geologic Mapping of Petrified Forest National Park Aids in Understanding Evolution of Land Animals in Arizona: *Arizona Geology*, V. 36, No. 2, p. 1-4.
- (PDF) Algeo, T. J., Heckel, P. H., Maynard, J. B., Blakey, R. C., and Rowe, H., 2008, Modern and ancient epicontinental seas and the superestuarine circulation model of marine anoxia: *Geological Association of Canada Special Paper* 48.
- (PDF) Blakey, R. C., 2007, Carboniferous-Permian paleogeography of the Assembly of Pangaea: in, Wong, Th.E (Ed.): *Proceedings of the XVth International Congress on Carboniferous and Permian Stratigraphy*. Utrecht, 10-16 August 2003. Royal Dutch Academy of Arts and Sciences (Amsterdam) p. 443-456.
- (PDF) Chan, M., D. Netoff, R. Blakey, G. Kocurek, and W. Alvarez, 2007, Clastic-injection pipes and syndepositional deformation structures in Jurassic eolian deposits: Examples from the Colorado Plateau, in A. Hurst and J. Cartwright, eds., *Sand injectites: Implications for hydrocarbon exploration and production*: AAPG Memoir 87, p. 233-244.
- (PDF) Blakey, R. C., 2008, Pennsylvanian-Jurassic sedimentary basins of the Colorado Plateau and Southern Rocky Mountains in, Miall, A. D. (ed), *Sedimentary Basins of United States and Canada*: Elsevier, Amsterdam p. 245-296.
- (PDF) Miall, A. D., and Blakey, R. C., 2008, The Phanerozoic tectonic and sedimentary evolution of North America, in, Miall, A. D. (ed), *Sedimentary Basins of United States and Canada*: Elsevier, Amsterdam p. 1-29.
- (PDF) Blakey, R. C., 2008, Gondwana paleogeography from assembly to breakup - a 500 million year odyssey, in Fielding, Christopher R., Frank, Tracy D., and Isbell, John L. (eds), *Resolving the Late Paleozoic Ice Age in Time and Space*: Geological Society of America, Special Paper 441, p. 1-28.
- Blakey, R. C., and Ranney, W., 2008, *Ancient Landscapes of the Colorado Plateau: (Grand Canyon)* Grand Canyon Association, 176 p.
- Blakey, R. C., and Ranney, W., 2009, *Tracking Arizona's Ancient Landscapes*: *Arizona Geology*, V. 38, No. 3, p. 1-3.
- (PDF) Blakey, R. C., 2009, Paleogeography and Geologic History of the western Ancestral Rocky Mountains, Pennsylvanian-Permian, Southern Rocky Mountains and Colorado Plateau, in, *The Paradox Basin Revisited: New Developments in Petroleum Systems and Basin Analysis*, Houston, B., Moreland, P., and Wray, L. (eds): 2009 RMAG Special Publication, Rocky Mountain Association of Geologists, Denver p. 222-264.

- (PDF) Dickinson, William R., Kelley N. Stair, George E. Gehrels, Lisa Peters, Bart J. Kowallis, Ronald C. Blakey, Joseph R. Amar, and Brent W. Greenhalgh, 2010, U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ Ages for a Tephra Lens in the Middle Jurassic Page Sandstone: First Direct Isotopic Dating of a Mesozoic Eolianite on the Colorado Plateau: *The Journal of Geology*, volume 118, p. 215-221.
- Frisch, Wolfgang, Meschede, Martin, and Blakey, Ronald, 2010, *Plate Tectonics* (Heidelberg) Springer, 212 p.
- (PDF) Gehrels, G., Kapp, P., Decelles, P., Pullen, A., Blakey, R., Weislogel, A., Ding, L., Guynn, J., Martin, A., McQuarrie, N., Yin, A. 2011, Detrital zircon geochronology of pre-Tertiary strata in the Tibetan-Himalayan orogen: *Tectonics* _volume 30, issue 5.
- (PDF) Gehrels, George E. Ron Blakey, Karl E. Karlstrom, J. Michael Timmons, Bill Dickinson, and Mark Pecha, 2011, Detrital zircon U-Pb geochronology of Paleozoic strata in the Grand Canyon, Arizona: *Lithosphere*, v. 3-3, p. 183-200.
- (PDF) Nardin, E., Godderis, Y., Donnadiou, Y., Le Hir, G., Blakey, R.C., Puceat, E., Aretz, M., 2011, Modeling the early Paleozoic long-term climatic trend: *Bulletin of the Geological Society of America* _ volume 123, issue 5, pp. 1181 - 1192.
- (PDF) Guillaume Le Hir, Yannick Donnadiou, Yves Godderis, Brigitte Meyer-Berthaud, Gilles Ramstein, Ronald C. Blakey, 2011, The climate change caused by the land plant invasion in the Devonian: *Earth and Planetary Science Letters* 310 203–212
- (PDF) Blakey, R. C., and Middleton, L. T., 2012, Geologic history and paleogeography of Paleozoic and early Mesozoic sedimentary rocks, eastern Grand Canyon, Arizona: *Geological Society of America Special Paper* 489 p.81-92.
- (PDF) Howell, E. R., and Blakey, R. C., 2013 Sedimentological constraints on the evolution of the Cordilleran arc: New insights from the Sonsela Member Upper Triassic Chinle Formation, Petrified Forest National Park (Arizona, USA): *Geological Society of America Bull*, p. 1349-1368.
- Blakey, Ron C., 2104, Paleogeography and Paleotectonics of the Western Interior Seaway, Jurassic-Cretaceous of North America: *AAPG Search and Discovery Article #30392* (Available on-line at AAPG.Org)