

Neil Andrew Wells

12 May 2014

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Born in Honiton, Devon, England; 9 May 1955
Permanent resident in U.S. since 1967; naturalized U.S. citizen 6 Nov. 1992
Married to Lisiniaina Ramisaharimanana; daughter Mialy.

Academic Career

Kent State University since 1984: (=>'89 Assist. Prof., =>'98 Assoc. Prof.; now Professor)

University of Michigan, Ph.D. 1978-1984 (under P.D. Gingerich & J.L. Wilson)

Ohio State University

Institute of Polar Studies, non-degree research 1977-1978 (D.H. Elliot)

Department of Geology & Mineralogy, M.S. 1975-1977 (K.O. Stanley)

Albion College, Albion, Michigan, B.A. (s.c.l.) 1972-1975

Also: Museum, Research, & Teaching Assistant, University of Michigan 1978-1984

Collector, Paleogene mammals, WY, for P.D. Gingerich, summers 1978-1980

Research Assistant, Institute of Polar Studies, Ohio State Univ., 1977-1978

HONORS

Glenn Frank Teaching Award, Geology Dept., KSU, 1998, 2006

Academic Year Research Appointments (competitive, not sabbaticals), 1989, 1995, Kent State

Case Award, 1983: Museum of Paleontology, University of Michigan

Rackham Fellowship, 1982; William Hobbs Fellow, 1978: University of Michigan

Four-Year University Fellowship, 1975: Ohio State University

B.A. (in 3 years), summa cum laude, Biology, Honors in Geology

Phi Beta Kappa, 1975; W.A. Tarr Award, 1975 (Albion College)

Sigma Gamma Epsilon & Beta Beta Beta (Biology & Geology honorary societies)

GRANTS:

KSU Library, 2002, \$11k, for NAFTA maps

Nat. Geog. Soc., 1999-2000, \$22k, (Wells, with Madar, Roe, & Park as all-but-co-PI's) (delay to 9/00)

N.S.F. planning grant, 1999, \$9500 (Oman, Madar & Wells)

N.S.F. 1993-1994, \$41,533 (Madagascar, Krause, Wells, Hartman)

N.S.F. 1987-1989 ext. 1992, \$326,000 (Madagascar: Dewar, Wells, Burney, MacPhee)

N.S.F. 1985-1986, \$160,000 (Madagascar: MacPhee, Dewar, Wells)

Smithsonian Foreign Currency Program (Pakistan: Wells) 1985, \$18,707

G.S.A. 1981; AAPG 1979; Sigma Xi 1979, 1975

Scott Turner Fund 1982, 1981, 1979

TEACHING:

Historical Geology

All About Dinosaurs

Geomorphology

Scientific Methods in Geology

Sedimentology

Advanced Sedimentology (two versions)

Sedimentary Petrology

Sedimentation & Tectonics

Geology For Archaeologists

Vertebrate Paleontology Seminar

STUDENTS:

Ph.D.: Abdul Waheed	1992	Pakistan Oil & Gas Co.
M.S.: Karen Taylor	1986	pursued Ph.D., now environmental geosciences
Stanley Radon	1987	environmental geoscience consultant, Buffalo, NY
Charles Ferber	1987	environmental geoscience, now a lawyer in Florida
Frederick Wise	1995	NJ EPA
Vassilia Angelaki	1997	NY-based international environmental geoscience company
Marylynn Konowal	1999	Cleveland school system
Mark Jones	2000	environmental geoscience, Columbus, Ohio
Scott Sundback	2000	

Publications

Articles & Notes

(* = refereed articles, ** = 10 most significant)

68. 2013. Mid–Late Holocene coastal environmental changes in southeastern Sri Lanka: New evidence for sea level variations in southern Bay of Bengal. (N. Ranasinghe, J.D. Ortiz, A.L. Moore, B. McAdoo, N. Wells, C.H.E.R. Siriwardana, and D.T.D.S. Wijesundara.)
67. 2013. Investigating statistical relationships among clay mineralogy ,index engineering properties, and shear strength parameters of mudrocks. *Engineering Geology*, 159: 45-58. (A. Hajdarwish, A. Shakoor, N.A. Wells)
66. 2013. How to explain a decapod crustacean diversity hotspot in a mid-Cretaceous coral reef. *Paleogeography, Paleocology, Paleoclimatology*, <http://dx.doi.org/10.1016/j.paleo.2013.01.024> . (A. A. Klompmaker, J.D. Ortiz, N.A. Wells)
65. 2011. Evaluating selected factors affecting the depth of undercutting in rocks subject to differential weathering. *Environmental and Engineering Geoscience*. *Engineering Geology* (September 2011), v. 124, pp. 1-11, doi:10.1016/j.enggeo.2011.09.007. (Y. Admassu, A. Shakoor, and N.A. Wells.)
64. 2011. An object-oriented approach to automated landform mapping,: a case study of drumlins. *Computers and Geosciences*, 37:1324-1336. (K. Saha, N.A. Wells, and M. Munro-Stasiuk)
63. 2004. Gullies. Pages 503-506, in, A.S. Goudie, ed. *Encyclopedia of Geomorphology*, vol. 2; Routledge, London, 1156 p., in 2 vols.). (N.A. Wells.)
62. *2003. Some hypotheses on the Mesozoic and Cenozoic paleoenvironmental history of Madagascar. Pages 16-34, in, S.M. Goodman and J.P. Benstead, eds., *The Natural History of Madagascar*, University of Chicago Press, Chicago. (N.A. Wells.)
61. 2003. Plotting equation for Gaussian percentiles and a spreadsheet program for generating probability plots -- Discussion. *Journal of Sedimentary Research*, 73(6):1082-1083. (N.A. Wells.)
60. 2003. Chapter 3, Review and regional context of Late Devonian to Early Pennsylvanian stratigraphy in north-central Ohio. In A.M. Foos, ed., *Pennsylvanian Sharon Formation, Past and Present: sedimentology, hydrogeology, and historical and environmental significance (SEPM Great Lakes Section Fall Field Trip Guide)*, Ohio Division of Geological Survey Field Guidebook no. 18, p. 13-18. (N.A. Wells.)
59. 2003. Chapter 6, Some notes and hypotheses concerning iron and iron-remobilization in the Sharon Formation (Summit County, Ohio). In A.M. Foos, ed., *Pennsylvanian Sharon Formation, Past and Present: sedimentology, hydrogeology, and historical and environmental significance (SEPM Great Lakes Section Fall Field Trip Guide)*, Ohio Division of Geological Geological Survey Field Guidebook no. 18, p. 33-37, & plates p. 68-93. (N.A. Wells, D.A. Waugh, and A.M. Foos.)
58. 2003. Chapter 8, Description of field trips, Day 1. In A.M. Foos, ed., *Pennsylvanian Sharon Formation, Past and Present: sedimentology, hydrogeology, and historical and environmental significance (SEPM Great Lakes Section Fall Field Trip Guide)*, Ohio Division of Geological Geological Survey Field Guidebook no. 18, p. 54-65. (N.A. Wells, A.M. Foos, and D.A. Waugh.)

57. **2002. Quantitative evaluation of color measurements. I. Triaxial stereoscopic scatterplot graphs. Sedimentary Geology, 151(1-2):1-15. (N.A. Wells.)
56. *2002. Quantitative evaluation of color measurements. II. Analysis of Munsell color values from the Colton & Green River Formations, Eocene, central Utah. Sedimentary Geology, 151(1-2):17-44. (N.A. Wells, M. Konowal, & S.A. Sundback.)
55. *2002. Studying earthquakes, while learning about data and visualization. Journal of Geoscience Education, 50(5):271-286. (N.A. Wells.)
54. *2002. Display of Munsell color values, earthquakes, and other three- and four-parameter data sets in stereo 3D. Computers and Geosciences, 28(5):701-709. (N.A. Wells.)
53. 2001. Clastic Sediments (short annual review). Geotimes, 44(7, July): (N.A. Wells.)
52. *2001. 3D.Bas, a Quickbasic program for three-dimensional stereo-scatterplots of XYZ data, Computers & Geosciences, 27:289-297. (N.A. Wells.)
51. 2000. Clastic Sedimentology (short annual review). Geotimes, 43(7, July):20-21. (N.A. Wells.)
50. *2000. Random orientation of wood on two tiny alluvial fans (Tavaputs plateau, NE Utah). Journal of Sedimentary Research, 70(3):461-469. (Neil A. Wells & Shawn R. Rapp.)
49. **2000. Are there better alternatives to standard rose diagrams? Journal of Sedimentary Research, 70(1):37-46. (Neil A. Wells.)
48. *1999. Astra.bas, a program in Quickbasic 4.5 for exploring rose diagrams, circular histograms, and some alternatives. Computers and Geosciences, 25(6):641-654. (Neil A. Wells.)
47. 1999. Clastic Sedimentology (short annual review). Geotimes, 42(7, July):32. (N.A. Wells.)
46. 1998. A simple exercise about awareness and analysis of error. Journal of Geoscience Education, 46:476-478. (N.A. Wells.)
45. 1998. Clastic Sedimentology (short annual review). Geotimes, 42(2, February):31-32. (N.A. Wells.)
44. 1997. Class journals, grading writing, and teaching writing style. Journal of Geoscience Education, 45:314-316. (N. A. Wells.)
43. **1997. Late Cretaceous vertebrates from Madagascar: implications for biotic change in deep time. Pages 3-43, in, S.M. Goodman and B.D. Patterson, eds., Natural Change and Human Impact in Madagascar (Proceedings of the Madagascar Symposium, Field Museum of Natural History, 2-4 June 1995). Smithsonian Institution, D.C., 432 p. (D.W. Krause, J.H. Hartman, & N.A. Wells.)
42. *1997. Extreme gullying in Madagascar and its cultural and natural causes. Pages 44-74, in, S.M. Goodman and B.D. Patterson, eds., Natural Change and Human Impact in Madagascar (Proceedings of the Madagascar Symposium, Field Museum of Natural History, 2-4 June 1995). Smithsonian Institution, D.C., 432 p. (N.A. Wells & B. Andriamihaja.)
41. *1996. The transition from Tethys to the Himalaya as recorded in NW Pakistan. Geological Society of America Bulletin, 108(10):1295-1313. (D.A. Pivnik & N.A. Wells.)
40. *1995. Paleolimnology and taphonomy of some fish deposits in "Fossil" and "Uinta" Lakes of the Eocene Green River Formation, Utah and Wyoming. Palaeogeography, Palaeoclimatology, Palaeoecology, 117:185-210. (C.T. Ferber & N.A. Wells.)
39. *1994. A geological approach toward developing a mudrock-durability classification system. Canadian Geotechnical Journal, 31:17-26. (J.C. Dick, A. Shakoor, & N.A. Wells.)

38. *1994. Late Cretaceous mammal [from Madagascar]. Nature, 368 (24 March): 298. (D.W. Krause, J.H. Hartman, N.A. Wells, G.A. Buckley, C.A. Lockwood, C.E. Wall, R.E. Wunderlich, J.A. Rabarison, & L.L. Randriamiamana.)
37. *1993. Fluvial history of late Cenozoic molasse, Sulaiman Range, Pakistan. Geological Bulletin of the University of Peshawar (Pakistan), 25 (1992):1-15. (A. Waheed & N.A. Wells.)
36. **1993. The initiation and growth of gullies in Madagascar: are humans to blame? Geomorphology. 8:1-46. (N.A. Wells & B. Andriamihaja.)
35. *1993. Fluvial processes and recumbently folded crossbeds in the Pennsylvanian Sharon Conglomerate in Summit County, Ohio, U.S.A. Sedimentary Geology (Special Volume, Current Research in Fluvial Sedimentology, edited by C.R. Fielding), 85:63-83. (N.A. Wells, S.S. Richards, S. Peng, S.E. Keatch, J.A. Hudson, & C.J. Copsey.)
34. *1993. Discriminant function analysis of fish-bearing deposits in the Eocene Green River Formation of Utah and Wyoming. Palaios, 8(1):81-100. (N.A. Wells, C.T. Ferber, & J.C. Ohman.)
33. *1992. Evidence for cryptic colluvial addition and removal at the tops of laterite profiles in Madagascar. Bulletin, Sciences Géologiques, 43(2-4):237-251 (dated 1990; published 1992). (N.A. Wells & B. Andriamahaja.)
32. *1992. The Mississippian Berea Sandstone at Bedford in northern Ohio: tidal cyclicity, syndepositional deformation, and major bounding surfaces. Northeastern Geology, 14(1):15-28. (P.W. Duncan & N.A. Wells.)
31. *1991. Paleocurrent analysis of the Sharon Conglomerate and sandstone lithosomes in the vicinity of Ice Box Cave at Kendall Ledges Park, Summit County, Ohio. The Compass, 68(1):21-32 (dated Fall 1990, publ. 1991). (D.J. Mullett, R.A. Kurlich, K.R. Frech, & N.A. Wells.)
30. *1991. Patterns of development of lavaka, Madagascar's unusual gullies. Earth Surface Processes & Landforms, 16(3):189-206. (N.A. Wells, B. Andriamihaja, H.F.S. Rakotovololona.)
- 29.**1991. Field guide to Berea Sandstone outcrops along the Black River in Elyria, Ohio: slumps, slides, mud diapirs, and associated fracturing in Mississippian delta deposits. Field trip for Geological Society of America meeting in Toledo, April, 1991, Ohio Journal of Science, 91(1):35-48. (N.A. Wells, A.H. Coogan, J.J. Majoras.)
28. *1991. Growth of gullies on laterite in Madagascar: non-intuitive implications for control. In: International Erosion Control Association, Erosion control - a global perspective: Proceedings of Conference 22 (20-22 Feb. 1991; Orlando, Florida), p.381-401. (N.A. Wells & B. Andriamihaja.)
27. *1990. Astragalus of Anthracobune (Mammalia, Proboscidea) from the Middle Eocene of Azad Kashmir, Pakistan. Contributions Museum of Paleontology, University of Michigan, 28(3):71-77. (P.D. Gingerich, D.E. Russell, & N.A. Wells.)
26. *1990. Comparing sets of circular orientations by modified chi-squared testing. Computers and Geosciences, 16(8):1115-1170. (N.A. Wells.)
25. *1990. Changes in paleocurrents during the development of an obliquely convergent plate boundary (Sulaiman fold-belt, SW Himalayas, west-central Pakistan). Sedimentary Geology, 67(3-4):237-261. (A. Waheed & N.A. Wells.)
24. **1990. Stonelines and landscape development on Madagascar's laterized craton. Geological Society of America Bulletin, 102(5):615-627. (N.A. Wells, B. Andriamihaja, & H.F.S. Rakotovololona.)
23. *1989. Using the illogic of creationism to teach about the logic of science. Journal of Geological Education, 37:317-320. (N.A. Wells.)
22. *1989. Making thin sections. In R.M. Feldmann, R.E. Chapman, & J.T. Hannibal, eds., Paleotechniques, Paleontological Society Special Publication, 4:120-131. (N.A. Wells.)

21. *1989. Techniques for impregnation of friable specimens. In R.M. Feldmann, R.E. Chapman, & J.T. Hannibal, eds., Paleotechniques, Paleontological Society Special Publication, 4:132-139. (N.A. Wells.)
20. *1989. A program in BASIC for facies-by-facies Markov chain analysis. Computers & Geosciences, 15(1):143-155. (N.A. Wells.)
19. *1988. Paleoenvironmental interpretation of Paleogene strata near Kotli, Azad Kashmir, northeastern Pakistan. Kashmir Journal of Geology, v.5 (dated 1987), p.23-41. (N.A. Wells & P.D. Gingerich.)
18. *1988. Working with paleocurrents. Journal of Geological Education, 36(1):39-43. (N.A. Wells.)
17. *1987. L'environnement au cours de l'Holocène et la disparition de la megafaune B Madagascar: Quel rapport avec la conservation de la nature? In R.A. Mittermeier, L.H. Rakotovo, V. Randrianasolo, E.J. Sterling, & D. Devitre (eds.), Priorités en matière de conservation des espèces B Madagascar; Species Survival Commission, Union Internationale pour la Conservation de la Nature, Occasional Papers, 2:137-143. (Proceedings 1985 UICN/SSC World Wildlife Fund symposium, Antananarivo, Madagascar.) (D.A. Burney, R.D.E. MacPhee, R.E. Dewar, N.A. Wells, E.H. Andriamanantena, & M. Vuillaume-Randriamanantena.)
16. *1987. A reconnaissance of sedimentation on the Kosi alluvial fan of India. In F.G. Ethridge and R.M. Flores, eds., Recent Developments in Fluvial Sedimentology. SEPM Special Publication, 39:51-61. (N.A. Wells & J.A. Dorr, Jr.)
15. **1987. Shifting of the Kosi River, northern India. Geology, 15:204-207. (N.A. Wells & J.A. Dorr, Jr.)
14. *1986. Biofabrics as dynamic indicators in Nummulite accumulations - Discussion. Journal of Sedimentary Petrology, 56(2):318-320. (N.A. Wells.)
13. *1986. Early Holocene chronology and environment of Ampasambazimba, a Malagasy subfossil lemur site. International Journal of Primatology, 6(5) (1985): 461-487. (R.D.E. MacPhee, D.A. Burney, & N.A. Wells.)
12. *1985. Form and function of the fish Bothriolepis (Devonian; Placodermi, Antiarchi): the first terrestrial vertebrate? Michigan Academician, 17(2):157-173. (N.A. Wells & J.A. Dorr, Jr.)
11. *1984. Sheet debris flow and sheetflood conglomerates in Cretaceous cool-maritime alluvial fans, South Orkney Islands, Antarctica. In E.H. Koster & R.J. Steele, eds., Sedimentology Of Gravels and Conglomerates. Canadian Society of Petroleum Geologists Memoir, 10:137-145. (N.A. Wells.)
10. *1984. Asymmetrical migrating beach cusps on the Ganges River, India. Journal of Geology, 92:229-232. (N.A. Wells, J.A. Dorr, & A. Sengupta.)
9. *1984. Team finds giant lemur skeleton in Madagascar. Geotimes, 29(1):10-11. (R.D.E. MacPhee, E.L. Simons, N.A. Wells, & M. Vuillaume-Randriamanantena)
8. **1983. Review of Eocene Anthracobunidae (Mammalia, Proboscidea) with a new genus and species, Jozaria palustris, from the Kuldana Formation of Kohat (Pakistan). Contributions of the Museum of Paleontology, University of Michigan, 26(7):117-139. (N.A. Wells & P.D. Gingerich.)
7. **1983. Carbonate deposition, physical limnology, and environmentally controlled chert formation in Paleocene-Eocene Lake Flagstaff, central Utah. Sedimentary Geology, 35:263-296. (N.A. Wells.)
6. **1983. Origin of whales in epicontinental remnant seas: new evidence from the early Eocene of Pakistan. Science, 220:403-406. (P.D. Gingerich, N.A. Wells, D.E. Russell, & S.M.I. Shah.)
5. *1983. Transient streams in sand-poor redbeds: early-middle Eocene Kuldana Formation of northern Pakistan. In J.D. Collinson and J. Lewin, eds., Modern And Ancient Fluvial Systems. Special Publication, International Association of Sedimentologists, 6:393-403. (Presented at 2nd International Fluvial Conference, Keele, England, 1981.) (N.A. Wells.)

4. *1982. An example of extrusion of fluid mud through mudcracks and a origin of sedimentary dikes. *Geologie en Mijnbouw*, 61:401-402. (N.A. Wells and M.A. Jah.)
3. *1982. Mesozoic alluvial fans of the South Orkney Islands. In C. Craddock, (ed.), Antarctic Geoscience, University of Wisconsin Press, Madison, p.235-244. (Presented by NAW at the 3rd International Symposium on Antarctic Geology & Geophysics, Madison, Wisconsin, 1977.) (D.H. Elliot & N.A. Wells.)
2. 1981. The geological significance of some Triassic microfossils from the South Orkney Islands, Scotia Ridge. Geological Magazine, 118(1):15-25. (I.W.D. Dalziel, D.H. Elliot, D.L. Jones, J.W. Thomson, M.R.A. Thomson, N.A. Wells, & W.D. Zinsmeister.)
1. 1977. Geologic studies in the South Orkney Islands: R/V Hero Cruise 77-1, January 1977. Antarctic Journal of the United States, 12(4):98-101. (I.W.D. Dalziel, D.H. Elliot, J.W. Thomson, M.R.A. Thomson, N.A. Wells, & W.J. Zinsmeister.)

Theses

3. 1984. Marine and continental sedimentation in the early Cenozoic Kohat Basin and adjacent northwestern Indo-Pakistan. Unpublished Ph.D. dissertation, University of Michigan. Chairmen, P.D. Gingerich & J.L. Wilson. 345 p. Abstract in Dissertation Abstracts, 45(02):B495. (N.A. Wells.)
2. 1977. Paleocene-Eocene Lake Flagstaff of central Utah. Unpublished M.S. thesis, Ohio State University. K.O. Stanley, Chairman. 174 p.
1. 1975. Unpublished B.A. Honors thesis on scree-slope geomorphology and botanical ecology, Cream Puff and Beaver Mountains, Jackson, Wyoming. Albion College, MI. 52 p.

Other (Reviews, Letters, Comments, Etc.)

15. 1998. Review of "Evolution: Society, Science, and the Universe", by Andrew C. Fabian, 1998. Quarterly Review of Biology, 73(3):337. (N.A. Wells.)
14. 1998. Review of "Signs Of Meaning In The Universe", by Jesper Hoffmeyer, 1996. Quarterly Review of Biology, 73(2):193-194. (N.A. Wells.)
13. 1997. Review of: Unifying Biology: The Evolutionary Synthesis and Evolutionary Biology. (V.B. Smocovitis, 1996) Quarterly Review of Biology, 72(4):451. (N.A. Wells.)
12. 1997. Commentary on Darwinism: Science or Philosophy. Creation/Evolution, no. 38 (Summer 1996), p.16-23. (N.A. Wells.)
11. 1995. Review of "Darwinism: Science or Philosophy?" Quarterly Review of Biology, 70(4):499-500. (N.A. Wells.)
10. 1994. Review of Statistical Analysis of Circular Data, by N.I. Fisher. Earth-Science Reviews, 36:243-244. (N.A. Wells.)
9. 1994. Review: Christianity and the Nature of Science: A philosophical investigation". (Book Review.) Creation/Evolution, 14 (1) (issue 34, Summer 1994): 43-46. (N.A. Wells.)
8. 1993. Energy and the 21st Century [Letter]. 1993. Geotimes, 38(6):4,35. (N.A. Wells.)
7. 1992. Northeastern Ohio's Berea Sandstone production. (Extended abstract). Abstracts, 23rd Annual Appalachian Geology Symposium. 4 pages. (A.H. Coogan and N.A. Wells.)
6. 1989. Review of "Techniques in Sedimentology," Journal of Sedimentary Petrology, 59(3):512-513. (N.A. Wells.)
5. 1987. Review of "An Introduction To Carbonate Sediments And Rocks". Journal of Sedimentary Petrology, 57:944-945.

4. 1987. Review of "Canadian Inland Seas". Sedimentology, 34:744-745. (N.A. Wells.)
3. 1987. Review of "Teaching Science in a Climate of Controversy". Creation/Evolution Newsletter, 7(2&3):4-5. (N.A. Wells.)
2. 1987. Lavaka explained [Letter and cover photo]. Geotimes, 32(4):3. (N.A. Wells, B. Andriamihaja, and Ramilisonina.)
1. 1984. Review of "Chemical Sediments and Geomorphology" by A.S. Goudie & K. Pye. Sedimentology, 31(6):902-904. (N.A. Wells.)

Abstracts

57. 2012. How to explain a decapod crustacean diversity hotspot in a mid-cretaceous coral reef. GSA Abstracts with Programs Vol. 44, No. 7. (A. Klompfmaker, J. Ortiz, N.A. Wells.)
56. 2000. Stevensite in the Eocene Green River Formation of central Utah. Geological Society of America Abstracts with Programs (National Meeting), 32(7):310. (S.A. Sundback & N.A. Wells.)
55. 1999. 100 small alluvial fans and cones in Indian Creek Canyon, NE Utah. Geological Society of America Abstracts with Programs (North-Central Section), 31(5):66. (S.R. Rapp & N.A. Wells.)
54. 1999. Jointing and soft-sediment deformation in Ohio sandstones. Geological Society of America Abstracts with Programs (North-Central Section), 31(5):25. (D.M. Jones & N.A. Wells.)
53. 1998. Why rose diagrams don't work, and what to do instead. Geological Society of America Abstracts with Programs (National Meeting), 30(7):336. (N.A. Wells.)
52. 1998. Terrestrial and lacustrine fluctuations in the Colton Formation, Eocene, central Utah. Society of America Abstracts with Programs (National Meeting), 30(7):335. (M. Konowal and N.A. Wells.)
51. 1998. Extension of the Eocene Green River lakes into central Utah. Geological Society of America Abstracts with Programs (National Meeting), 30(7):334. (S.A. Sundback and N.A. Wells.)
50. 1998. Random orientation of wood on two small alluvial fans in NE Utah. Geological Society of America Abstracts with Programs (North-Central Section), 30(2):77. (N.A. Wells and S.R. Rapp.)
49. 1998. Jointing in Pennsylvanian shales at East Steubenville, W. Virginia. Geological Society of America Abstracts with Programs (North-Central Section), 30(2):25. (D.M. Jones and N.A. Wells.)
48. 1997. Pre-soak clay samples prior to Sedigraph size analysis. Abstracts with Programs, Geological Society of America (National Meeting, Salt Lake City, Utah, October 1997), 29(6):A147. (V. Angelaki, N.A. Wells, and A.Shakoor.)
47. 1996. Speculations on when and how modern mammals got to Madagascar. Geological Society of America, Abstracts with Programs, 28(7):A295. (N.A. Wells.)
46. 1995. Evaluation of the hydrometer and Sedigraph methods for grain-size analysis of fine-grained materials. Abstracts with Programs, Geological Society of America (National Meeting, New Orleans, LA, November 1995), 27(6):A91. (V. Angelaki, A.Shakoor, N.A. Wells, and J.M. Harbor.)
45. 1995. Comparison of hydrometer and Sedigraph methods for measuring the grain-size distribution of fine-grained material. Association of Engineering Geologists (Annual Meeting), Abstract Volume, 38:32. (V. Angelaki, A.Shakoor, N.A. Wells.)
44. 1995. Extreme gullyng in Madagascar and its cultural and natural causes. In B.D. Patterson, S.M. Goodman, and J.L. Sedlock, Environmental Change In Madagascar. (Madagascar Symposium, Field Museum of Natural History: 2-4 June 1995), p.47-48. (N.A. Wells.)
43. 1994. Stratigraphy and paleontology of late Cretaceous vertebrate and invertebrate discoveries in northwestern Madagascar. Abstracts with Programs, Geological Society of America, (National Meeting, Seattle, WA, October 1994), 24(7):A501. (J.H. Hartman, N.A. Wells, D.W. Krause, and G.A. Buckley.)

42. 1994. Eocene closure of Tethys as recorded in NW Pakistan. Abstracts with Programs, Geological Society of America, (National Meeting, Seattle, WA, October 1994), 26(7):A181. (D.A. Pivnik, and N.A. Wells.)
41. 1994. $^{40}\text{Ar}/^{39}\text{Ar}$ dating of coarse detrital muscovites from latest Devonian to Middle Pennsylvanian sandstones of northern Ohio. Abstracts with Programs, Geological Society of America, (Northeastern Meeting, Binghamton NY, 28-30 March 1994), 26(3):57-58. (D.R. Lux and N.A. Wells.)
40. 1993. Implications of long-term soil weathering and geomorphology for Madagascar's Cenozoic climate and rainforest cover. Abstracts with Programs, Geological Society of America, (National Meeting, Boston, 24-28 October 1993), 25(6):196. (N.A. Wells.)
39. 1992. Changes in provenance of sandstones from Cretaceous to Late Cenozoic times in the Sulaiman Range, west-central Pakistan. Geological Society of America, Abstracts with Programs, (National Meeting, Cincinnati, Ohio, 1992), 24(7):59. (A. Waheed and N.A. Wells.)
38. 1992. The initiation and growth of Madagascar's exceptional gullies. Abstracts, 88th Annual Meeting, Association of American Geographers, p.251. (N.A. Wells & B. Andriamihaja.)
37. 1991. Rethinking the Berea: the channels are slumps, the base is not a disconformity, and paleoflow was not southward. Society of America Abstracts with Programs (North-Central Section), 23(3):65. (N.A. Wells & A.H. Coogan.)
36. 1991. Synsedimentary fracturing in the Mississippian Berea Sandstone delta, at Elyria and Berea, Medina County, Northern Ohio. Society of America Abstracts with Programs (North-Central Section), 23(3):65. (N.A. Wells.)
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34. 1990. Bulk geochemistry of tropical weathering on the Malagasy craton. Abstracts with Programs, (National Meeting), Geological Society of America, 22(7):340. (N.A. Wells, B. Andriamihaja, & P.S. Dahl.)
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