

NICHOLAS CHRISTIE-BLICK

Abbreviated Curriculum Vitae

1 October, 2026

Lamont-Doherty Earth Observatory of Columbia University
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Date and place of birth: 3 June, 1953; St Albans, UK. U.S./British citizen.

Google Scholar profile: <http://scholar.google.com/citations?hl=en&user=vD6gJnEAAAAJ>

DEGREES

Ph.D., University of California, Santa Barbara, 1979 (Geology). Advisor: John C. Crowell¹.

B.A. (Honours), University of Cambridge (King's College), UK, 1974 (Natural Sciences/Geology).
[M.A. awarded, 1978.]

PROFESSIONAL CAREER

Professor Emeritus, Department of Earth and Environmental Sciences and Lamont-Doherty Earth Observatory of Columbia University², Palisades, New York 10964-8000.
[**Assistant Professor**, 1983-1987. **Associate Professor**, 1987-1993. Promotion to tenure, 1989.
Professor, 1993-2023. **Professor Emeritus**, beginning 2024. **Associate Chair**, 2002-2004.
Chair, and **Deputy Director**, Lamont-Doherty Earth Observatory, 2004-2006.]

Senior Research Geologist (Basin Exploration Division), Exxon Production Research Company³, P.O. Box 2189, Houston, Texas 77252-2189, 1981-1983. [**Research Geologist**, 1980-1981.]

Postdoctoral Assistant Research Geologist, Department of Geological Sciences⁴, University of California, Santa Barbara, California 93106, 1979-1980.

SELECTED AWARDS AND HONORS

Erskine Fellow, University of Canterbury, Christchurch, New Zealand, 2027⁵.

Laurence L. Sloss Award, Geological Society of America, 2023.

For lifetime achievements that contribute widely to the field of sedimentary geology, and service to the Geological Society of America.

Fellow of AAAS (American Association for the Advancement of Science), 2021.

For distinguished research in sedimentary geology, tectonics and sea level change, and for outstanding teaching of undergraduates in geology.

¹ Deceased, 13 May, 2015, the day after his 98th birthday, in Montecito, California.

² Formerly Department of Geological Sciences (before 1996) and Lamont-Doherty Geological Observatory (before 1993).

³ Now ExxonMobil Upstream Research Company (Houston) (since 2000).

⁴ Now Department of Earth Science (since 2005).

⁵ <https://www.canterbury.ac.nz/about-uc/what-we-do/teaching/erskine-programme/erskine-fellowship>

Responsible for lectures in the first half of a second-year undergraduate course in "Depositional environments and stratigraphy." Participant in a one-week field course for third-year undergraduates: "Advanced field techniques (Oamaru)." Research seminar: "Taking stock of the Wonoka canyons and related phenomena."

Dr Vikram Sarabhai Chair of the Indian National Science Academy (a speaking tour of Indian universities in February, 2020). Awarded in 2019. Presentation: “Unresolved issues in seismic and sequence stratigraphy.”

Distinguished Alumnus Award, Department of Geological Sciences⁴, University of California, Santa Barbara, 2005.

2003 Outstanding Paper in the Journal of Sedimentary Research, Stephen F. Pekar, Nicholas Christie-Blick, Kenneth G. Miller, and Michelle A. Kominz, “Quantitative constraints on the origin of stratigraphic architecture at passive continental margins: Oligocene sedimentation in New Jersey, U.S.A.” *Journal of Sedimentary Research*, v. 73, p. 227-245. Awarded in 2005.

Best Teacher Award, selected by undergraduate students in the Department of Earth and Environmental Sciences of Columbia University, 2010⁶; and by graduate students in 1996 and 2008.

Fellow, Geological Society of America, 1995.

RESEARCH IN SEDIMENTARY GEOLOGY AND TECTONICS

Sedimentation Processes, Crustal Deformation, and Deep-Time Earth History

Research over a span of 50 years has dealt with the origins of physical stratigraphic discontinuities (seismic and sequence stratigraphy); mechanisms of crustal extension, with particular reference to the low-angle normal fault paradox; and the geology of the Neoproterozoic Era, an interval of time that is unusual for its climatic extremes (low-latitude glaciation), the largest negative carbon isotope excursion in Earth history (the Shuram anomaly), and as a threshold in the history of life (the emergence of animals).

I am currently wrapping up research in the late Cryogenian–Ediacaran geology of South Australia and in Miocene-Holocene extensional tectonics at several locations in the Basin and Range Province of the western United States.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Association for the Advancement of Science, American Association of Petroleum Geologists⁷, American Geophysical Union, Geological Society of America, International Association of Sedimentologists, SEPM (Society for Sedimentary Geology).

SABBATICAL LEAVES

2019-20, University of Western Australia and Curtin University (Perth, Australia)⁸.

2011-12, University of Cape Town (South Africa).

2006-07, University of Canterbury (Christchurch, New Zealand).

1996-97, Oxford University (UK).

1990-91, Flinders University of South Australia (Adelaide, Australia).

POSTDOCTORAL RESEARCH SCIENTISTS

Stephen F. Pekar. Postdoctoral Research Scientist, 2000-2003. Calibration of the stratigraphic response to glacioeustatic change using oxygen isotopic data (Oligocene, New Jersey). Present position: Professor, Queens College, City University of New York.

⁶ The inaugural year of this annual award.

⁷ My AAPG membership was allowed to lapse in 2017.

⁸ Visiting Professor (University of Western Australia); Visiting Research Fellow (Curtin University).

Perth proved to be a fortunate place to ride out the first several months of the COVID-19 pandemic of 2020-23.

Linda E. Sohl. Postdoctoral Research Scientist, 2000-2001. Exploring the limits of life on Earth: Environmental extremes of the Neoproterozoic “super” glacial and interglacial cycles. Present position: Senior Staff Associate, Center for Climate Systems Research, Columbia University, and Associate Research Scientist, NASA/Goddard Institute for Space Studies, New York.

Martin J. Kennedy. Postdoctoral Research Associate, collaborative with L.A. Derry at Cornell University, 1994-1996. Research in stable isotope geochemistry of carbonate glacial cycles and radiogenic tracers in terrestrial ecosystems. Most recent position: Professor and Head of Department of Earth and Planetary Sciences, Macquarie University, Australia (retired from academia, 2019).

Sanjeev Gupta. Postdoctoral Research Scientist, 1994-1995. Controls on sequence geometry and bounding surfaces in ramp settings. Present position: Professor, Imperial College, London, UK.

John P. Grotzinger. Postdoctoral Fellow, 1985-1986. Tectonics and sedimentation of the 1.9 Ga Kilohigok foreland basin, northwest Canadian shield. Member, National Academy of Sciences (since 2002). Present position: Harold Brown Professor of Geology, California Institute of Technology, Pasadena.

RESEARCH OF GRADUATE STUDENTS

Sarah M. Giles (Ph.D., 2024). Dissertation topic: Timing, origin, and potential global connections of mid-Ediacaran phenomena in South Australia and eastern California. NSF Graduate Research Fellow. Present position: ExxonMobil, Houston, Texas.

Michael J. DeLuca (Ph.D., 2023). Dissertation topic: New $^{40}\text{Ar}/^{39}\text{Ar}$ geochronological constraints on the Old Red Sandstone and Caledonides of Scotland. Present position: CHA Consulting, Inc., New York, New York.

Marc A. Vankeuren (Ph.D., 2015). Dissertation topic: A structural and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronological re-evaluation of low-angle normal faults in southeastern Idaho. Present position: science teacher, Grant Union High School, Sacramento, California.

Rafael V. Almeida (Ph.D., 2014). Dissertation topic: Mechanisms and magnitude of Cenozoic crustal extension in the vicinity of Lake Mead, Nevada and the Beaver Dam Mountains, Utah: Geochemical, geochronological, thermochronological and geophysical constraints. Present position: Assistant Professor, San Diego State University, California.

Andrew S. Madof (Ph.D., 2010). Dissertation topic: Noneustatic controls on sediment accumulation in the upper Cretaceous of western Colorado and Pliocene to Holocene of offshore Louisiana. Present position: Chevron Energy Technology Company, Houston, Texas.

Byrdie Renik (Ph.D., 2010)⁹. Dissertation topic: Distribution of Neogene extension and strike slip in the Death Valley region, California-Nevada, with implications for palinspastic reconstruction and models of normal faulting. NSF Graduate Research Fellow. Present position: ExxonMobil, Houston, Texas.

Katherine C. Leonard (Ph.D., 2009). Dissertation topic: Antarctic snow drift processes (Research Advisor, B. Tremblay, McGill University). Present position: Research Scientist, Cooperative Institute for Research in Environmental Science (CIRES), University of Colorado, Boulder.

Ganqing Jiang (Ph.D., 2002). Dissertation topic: Neoproterozoic sequence and chemostratigraphy. Present position: Professor and Chair of Department of Geoscience, University of Nevada, Las Vegas.

Linda E. Sohl (Ph.D., 2000). Dissertation topic: Paleoclimatology of the Neoproterozoic interglacial to Marinoan glacial succession (~650-575 Ma), central Flinders Ranges, South Australia. Heezen Prize. Present position: Senior Staff Associate, Center for Climate Systems

⁹ Ph.D. defended with distinction.

Research, Columbia University, and Associate Research Scientist, NASA/Goddard Institute for Space Studies, New York.

André A. Bender (Ph.D., 2000). Dissertation topic: Mechanisms of intracratonic and rift basin formation: Insights from Canning basin, northwest Australia (Co-advisor, G.D. Karner; defended in 1998). Present position: Consultant, Rio de Janeiro, Brazil.

Ann E. Holmes (Ph.D., 1996). Dissertation topic: Paleozoic depositional and structural history of the Canning basin, Western Australia, and constraints on eustatic change. Most recent position: Mildred Routt Distinguished Teaching Professor, University of Tennessee, Chattanooga (retired, 2019).

Neal W. Driscoll (Ph.D., 1992). Dissertation topic: Tectonic and depositional processes inferred from stratal relationships (Co-advisor, J.K. Weissel). Heezen Prize. Present position: Professor, Scripps Institution of Oceanography, La Jolla, California.

Marjorie E. Levy (Ph.D., 1991). Dissertation topic: Late Proterozoic and Early Cambrian sedimentation, sequence stratigraphy, and tectonic evolution of the eastern Great Basin. (P.E. Olsen assumed the role of advisor for the 1990-91 academic year.) Most recent position: Chevron Energy Technology Company in Danville, California (retired).

Kenneth W. Hudnut (Ph.D., 1989). Dissertation topic: Active tectonics of the Salton Trough, southern California. Most recent position: Southern California Edison (retired).

Other Advising and Mentoring

Reader and/or chair of defense committee for 51 other Ph.D. dissertations, 1985-2023.

Advisor or member of an advisory committee for 5 Masters students, two of whom completed PhDs at other institutions.

External examiner for 7 Ph.D. dissertations at other institutions.

Summer and/or academic year mentor for 14 undergraduates and one high school senior.

PUBLISHED ARTICLES¹⁰

Blick, N.H., 1979, Stratigraphic, structural and paleogeographic interpretation of upper Proterozoic glaciogenic rocks in the Sevier orogenic belt, northwestern Utah: Ph.D. dissertation, Santa Barbara, University of California, 633 p.

1. Blick, N., 1981, Late Precambrian glaciation in Utah, in Hambrey, M.J., and Harland, W.B., eds., *Earth's Pre-Pleistocene Glacial Record*: International Geological Correlation Programme, Project 38: Cambridge, Cambridge University Press, p. 740-744.
2. Knoll, A.H., Blick, N., and Awramik, S.M., 1981, Stratigraphic and ecologic implications of late Precambrian microfossils from Utah: *American Journal of Science*, v. 281, p. 247-263.
3. Christie-Blick, N., 1982, Upper Precambrian (Eocambrian) Mineral Fork Tillite of Utah: A continental glacial and glaciomarine sequence: Discussion: *Geological Society of America Bulletin*, v. 93, p. 184-186.
4. Christie-Blick, N., 1982, Upper Proterozoic and Lower Cambrian rocks of the Sheeprock Mountains, Utah: Regional correlation and significance: *Geological Society of America Bulletin*, v. 93, p. 735-750.
5. Christie-Blick, N., 1982, Pre-Pleistocene glaciation on Earth: Implications for climatic history of Mars: *Icarus*, v. 50, p. 423-443.

¹⁰ Thirty-one articles and one book with more than 100 citations; more than 15,000 total citations; h-index = 49. (Data from Science Citation Index Expanded and Google Scholar.

<http://scholar.google.com/citations?hl=en&user=vD6gJnEAAAAAJ>)

Most articles are available in pdf form: <https://academiccommons.columbia.edu/>

6. Christie-Blick, N., 1983, Structural geology of the southern Sheeprock Mountains, Utah: Regional significance, in Miller, D.M., Todd, V.R., and Howard, K.A., eds., *Tectonic and Stratigraphic Studies in the Eastern Great Basin*: Geological Society of America Memoir 157, p. 101-124.
7. Christie-Blick, N., 1983, Glacial-marine and subglacial sedimentation, Upper Proterozoic Mineral Fork Formation, Utah, in Molnia, B.F., ed., *Glacial-Marine Sedimentation*: New York, Plenum Press, p. 703-776.
8. Crittenden, M.D., Jr., Christie-Blick, N., and Link, P.K., 1983, Evidence for two pulses of glaciation during the late Proterozoic in northern Utah and southeastern Idaho: *Geological Society of America Bulletin*, v. 94, p. 437-450.
9. Christie-Blick, N., 1985, Upper Proterozoic glacial-marine and subglacial deposits at Little Mountain, Utah: *Brigham Young University Geology Studies*, v. 32, Part 1, p. 9-18.
10. Christie-Blick, N., and Biddle, K.T., 1985, Deformation and basin formation along strike-slip faults, in Biddle, K.T., and Christie-Blick, N., eds., *Strike-Slip Deformation, Basin Formation, and Sedimentation*: Society of Economic Paleontologists and Mineralogists Special Publication No. 37, p. 1-34.
11. Biddle, K.T., and Christie-Blick, N., 1985. Glossary – Strike-slip deformation, basin formation, and sedimentation, in Biddle, K.T., and Christie-Blick, N., eds., *Strike-Slip Deformation, Basin Formation, and Sedimentation*: Society of Economic Paleontologists and Mineralogists Special Publication No. 37, p. 375-386.
12. Biddle, K.I., and Christie-Blick, N.H., 1985, Basin formation, structural traps, and controls on hydrocarbon occurrence along wrench-fault zones: *Offshore Technology Conference*, Houston, OTC 4872, p. 291-295. [Biddle's middle initial is T, not I. I do not use mine in publications.]
13. Bond, G.C., Christie-Blick, N., Kominz, M.A., and Devlin, W.J., 1985, An early Cambrian rift to post-rift transition in the Cordillera of western North America: *Nature*, v. 315, p. 742-746.
14. Harding, T.P., Vierbuchen, R.C., and Christie-Blick, N., 1985, Structural styles, plate-tectonic settings and hydrocarbon traps of divergent (transtensional) wrench faults, in Biddle, K.T., and Christie-Blick, N., eds., *Strike-Slip Deformation, Basin Formation, and Sedimentation*: Society of Economic Paleontologists and Mineralogists Special Publication No. 37, p. 51-77.
15. Christie-Blick, N., 1986, Sea-level fluctuations. Coastal onlap and sea-level change, in 1987 *Yearbook of Science and Technology*, supplement to Encyclopedia of Science and Technology: New York, McGraw-Hill, p. 413-416.
16. Christie-Blick, N., Grotzinger, J.P., and von der Borch, C.C., 1988, Sequence stratigraphy in Proterozoic successions: *Geology*, v. 16, p. 100-104.
17. Christie-Blick, N., and Link, P.K., 1988, Glacial-marine sedimentation, Mineral Fork Formation (Late Proterozoic), Utah, in Holden, G.S., ed., *Geological Society of America Field Trip Guidebook*, Centennial Meeting – Denver, Colorado: Colorado School of Mines Professional Contributions, No. 12, p. 259-274.
18. Christie-Blick, N., Mountain, G.S., and Miller, K.G., 1988, Sea level history: *Science*, v. 241, p. 596.
19. von der Borch, C.C., Christie-Blick, N., and Grady, A.E., 1988, Depositional sequence analysis applied to Late Proterozoic Wilpena Group, Adelaide Geosyncline, South Australia: *Australian Journal of Earth Sciences*, v. 35, p. 59-71.
20. Christie-Blick, N., and Levy, M., 1989, Stratigraphic and tectonic framework of Upper Proterozoic and Cambrian rocks in the western United States, in Christie-Blick, N., and Levy, M., eds., *Late Proterozoic and Cambrian Tectonics, Sedimentation, and Record of Metazoan Radiation in the Western United States*: 28th International Geological Congress Field Trip Guidebook T331, American Geophysical Union, p. 7-22.

21. Christie-Blick, N., and Levy, M., 1989, Concepts of sequence stratigraphy, with examples from strata of Late Proterozoic and Cambrian age in the western United States, in Christie-Blick, N., and Levy, M., eds., *Late Proterozoic and Cambrian Tectonics, Sedimentation, and Record of Metazoan Radiation in the Western United States*: 28th International Geological Congress Field Trip Guidebook T331, American Geophysical Union, p. 23-38.
22. Levy, M., and Christie-Blick, N., 1989, Pre-Mesozoic palinspastic reconstruction of the eastern Great Basin (western United States): *Science*, v. 245, p. 1454-1462.
23. von der Borch, C.C., Grady, A.E., Eickhoff, K.H., DiBona, P., and Christie-Blick, N., 1989, Late Proterozoic Patsy Springs Canyon, Adelaide Geosyncline: submarine or subaerial origin?: *Sedimentology*, v. 36, p. 777-792.
24. Christie-Blick, N., 1990, Sequence stratigraphy and sea-level changes in Cretaceous time, in Ginsburg, R.N., and Beaudoin, B., eds., *Cretaceous Resources, Events and Rhythms*: NATO ASI Series C, v. 304, Dordrecht, Kluwer Academic Publishers, p. 1-21.
25. Christie-Blick, N., Mountain, G.S., and Miller, K.G., 1990, Seismic stratigraphic record of sea-level change, in *Sea-Level Change: Studies in Geophysics*, Washington, D.C., National Academy Press, p. 116-140.
26. Christie-Blick, N., von der Borch, C.C., DiBona, P.A., 1990, Working hypotheses for the origin of the Wonoka canyons (Neoproterozoic), South Australia: *American Journal of Science*, v. 290-A (Cloud volume), p. 295-332.
27. DiBona, P.A., von der Borch, C.C., and Christie-Blick, N., 1990, Sequence stratigraphy and evolution of a basin-slope succession: The Late Proterozoic Wonoka Formation, Flinders Ranges, South Australia: *Australian Journal of Earth Sciences*, v. 37, p. 135-145.
28. Christie-Blick, N., 1991, Onlap, offlap, and the origin of unconformity-bounded depositional sequences: *Marine Geology*, v. 97, p. 35-56.
29. Levy, M., and Christie-Blick, N., 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.
30. Levy, M., and Christie-Blick, N., 1991, Late Proterozoic paleogeography of the eastern Great Basin, in Cooper, J.D., and Stevens, C.H., eds., *Paleozoic Paleogeography of the Western United States - II*: Pacific Section, SEPM, Book 67, v. 1, p. 371-386.
31. Christie-Blick, N., 1992, Stratigraphy, in *Encyclopedia of Science and Technology*: New York, McGraw-Hill, 7th edition, p. 483-485.
32. O'Brien, P.E., and Christie-Blick, N., 1992, Glacially grooved surfaces in the Grant Group, Grant Range, Canning Basin and the extent of Late Palaeozoic Pilbara ice sheets: *BMR Journal of Australian Geology and Geophysics*, v. 13, p. 87-92.
33. Kennard, J.M., Southgate, P.N., Jackson, M.J., O'Brien, P.E., Christie-Blick, N., Holmes, A.E., and Sarg, J.F., 1992, New sequence perspective on the Devonian reef complex and the Frasnian-Famennian boundary, Canning basin, Australia: *Geology*, v. 20, p. 1135-1138.
34. Holmes, A.E., and Christie-Blick, N., 1993, Origin of sedimentary cycles in mixed carbonate-siliciclastic systems: An example from the Canning basin, Western Australia, in Loucks, R.G., and Sarg, J.F., eds., *Carbonate Sequence Stratigraphy. Recent Developments and Applications*: American Association of Petroleum Geologists Memoir 57, p. 181-212.
35. Link, P.K., Christie-Blick, N., Devlin, W.J., Elston, D.P., Horodyski, R.J., Levy, M., Miller, J.M.G., Pearson, R.C., Prave, A., Stewart, J.H., Winston, D., Wright, L.A., and Wrucke, C.T., 1993, Middle and Late Proterozoic stratified rocks of the western U.S. Cordillera, Colorado Plateau, and Basin and Range province, in Reed, J.C., Jr., Bickford, M.E., Houston, R.S., Link, P.K., Rankin, D.W., Sims, P.K., and Van Schmus, W.R., eds., *Precambrian: Conterminous U.S.*: Boulder,

- Colorado, Geological Society of America, The Geology of North America, Volume C-2, p. 463-595.
36. Anders, M.H., and Christie-Blick, N., 1994, Is the Sevier Desert reflection of west-central Utah a normal fault?: *Geology*, v. 22, p. 771-774.
37. Levy, M., Christie-Blick, N., and Link, P.K., 1994, Neoproterozoic incised valleys of the eastern Great Basin, Utah and Idaho: Fluvial response to changes in depositional base level, in Dalrymple, R.W., Boyd, R., and Zaitlin, B.A., eds., *Incised Valley Systems: Origin and Sedimentary Sequences*: SEPM (Society for Sedimentary Geology) Special Publication No. 51, p. 369-382.
38. Link, P.K., Miller, J.M.G., and Christie-Blick, N., 1994, Glacial-marine facies in a continental rift environment: Neoproterozoic rocks of the western United States Cordillera, in Deynoux, M., Miller, J.M.G., Domack, E.W., Eyles, N., Fairchild, I.J., and Young, G.M., eds., *Earth's Glacial Record*: Cambridge, Cambridge University Press, p. 29-46.
39. Christie-Blick, N., and Driscoll, N.W., 1995, Sequence stratigraphy: *Annual Review of Earth and Planetary Sciences*, v. 23, p. 451-478.
40. Christie-Blick, N., Dyson, I.A., and von der Borch, C.C., 1995, Sequence stratigraphy and the interpretation of Neoproterozoic earth history, in Knoll, A.H., and Walter, M., eds., *Neoproterozoic Stratigraphy and Earth History: Precambrian Research*, v. 73 (special volume), p. 3-26.
41. Anders, M.H., Christie-Blick, N., and Wills, S., 1995, Is the Sevier Desert reflection of west-central Utah a normal fault?: Reply: *Geology*, v. 23, p. 670.
42. Driscoll, N.W., Hogg, J.R., Christie-Blick, N., and Karner, G.D., 1995, Extensional tectonics in the Jeanne d'Arc Basin, offshore Newfoundland: implications for the timing of break-up between Grand Banks and Iberia, in Scrutton, R.A., Stoker, M.S., Shimmield, G.B., and Tudhope, A.W., eds., *The Tectonics, Sedimentation and Palaeoceanography of the North Atlantic Region*: Geological Society, London, Special Publications, v. 90, p. 1-28.
43. Christie-Blick, N., 1997, Neoproterozoic sedimentation and tectonics in west-central Utah, in Link, P.K., and Kowallis, B.J., eds., *Proterozoic to Recent Stratigraphy, Tectonics and Volcanology, Utah, Nevada, Southern Idaho and Central Mexico: Brigham Young University Geology Studies*, v. 42, Part 1, p. 1-30.
44. Christie-Blick, N., Austin, J.A., Jr., and Shipboard Scientific Party, 1998, Introduction: Oligocene to Pleistocene eustatic change at the New Jersey continental margin – a test of sequence stratigraphy, in Austin, J.A., Jr., Christie-Blick, N., Malone, M.J., et al., Proceedings of the Ocean Drilling Program, Initial Reports, v. 174A, *Continuing the New Jersey Mid-Atlantic Sea-Level Transect*: College Station, Texas, Ocean Drilling Program, p. 5-16.
45. Anders, M.H., Christie-Blick, N., and Wills, S., 1998, Extensional collapse along the Sevier Desert reflection, northern Sevier Desert basin, western United States: Comment: *Geology*, v. 26, p. 474.
46. Austin, J.A., Jr., Christie-Blick, N., Malone, M., Mountain, G.S., and the Leg 174A Shipboard Scientific Party, 1998, Miocene to Pleistocene sand-rich sequences and sea-level changes at the New Jersey outer shelf: Results from Leg 174A: *JOIDES Journal*, v. 24, No. 1, p. 4-6 and 19.
47. Miller, K.G., Mountain, G.S., Browning, J.V., Kominz, M., Sugarman, P.J., Christie-Blick, N., Katz, M.E. and Wright, J.D., 1998, Cenozoic global sea level, sequences, and the New Jersey Transect: Results from coastal plain and continental slope drilling: *Reviews of Geophysics*, v. 36, p. 569-601.
48. Shipboard Scientific Party, 1998, Site 1071, in Austin, J.A., Jr., Christie-Blick, N., Malone, M.J., et al., Proceedings of the Ocean Drilling Program, Initial Reports, v. 174A, *Continuing the New Jersey Mid-Atlantic Sea-Level Transect*: College Station, Texas, Ocean Drilling Program, p. 37-97.
49. Shipboard Scientific Party, 1998, Site 1072, in Austin, J.A., Jr., Christie-Blick, N., Malone, M.J., et al., Proceedings of the Ocean Drilling Program, Initial Reports, v. 174A, *Continuing the New*

- Jersey Mid-Atlantic Sea-Level Transect*: College Station, Texas, Ocean Drilling Program, p. 99-152.
50. Shipboard Scientific Party, 1998, Site 1073, in Austin, J.A., Jr., Christie-Blick, N., Malone, M.J., et al., *Proceedings of the Ocean Drilling Program, Initial Reports*, v. 174A, *Continuing the New Jersey Mid-Atlantic Sea-Level Transect*: College Station, Texas, Ocean Drilling Program, p. 153-191.
 51. Christie-Blick, N., 1999, Formation, in *Encyclopedia of Science and Technology*: New York, McGraw-Hill, 9th edition (on-line version).
 52. Christie-Blick, N., Sohl, L.E., and Kennedy, M.J., 1999, Considering a Neoproterozoic snowball Earth: *Science*, v. 284, p. 1087.
[Full text: <http://www.sciencemag.org/cgi/content/full/284/5417/1087a>]
 53. Sohl, L.E., Christie-Blick, N., and Kent, D.V., 1999, Paleomagnetic polarity reversals in Marinoan (ca. 600 Ma) glacial deposits of Australia: Implications for the duration of low-latitude glaciation in Neoproterozoic time: *Geological Society of America Bulletin*, v. 111, p. 1120-1139.
 54. Steckler, M.S., Mountain, G.S., Miller, K.G., and Christie-Blick, N., 1999, Reconstruction of Tertiary progradation and clinoform development on the New Jersey passive margin by 2-D backstripping: *Marine Geology*, v. 154, p. 399-420.
 55. Metzger, J.M., Flemings, P.B., Christie-Blick, N., Mountain, G.S., Austin, J.A., Jr., and Hesselbo, S.P., 2000, Late Miocene to Pleistocene sequences at the New Jersey outer continental shelf (ODP Leg 174A, Sites 1071 and 1072): *Sedimentary Geology*, v. 134, p. 149-180.
 56. Christie-Blick, N., 2001, Stratigraphy, in *Encyclopedia of Science and Technology*: New York, McGraw-Hill, 9th edition (on-line version). [A revised and extended version of the 1992 article.]
 57. Christie-Blick, N., Williams, G.E., and Gostin, V.A., 2001, Discussion on mantle plume uplift in the sedimentary record: origin of kilometre-deep canyons within late Neoproterozoic successions, South Australia: *Journal of Geological Society, London*, v. 158, p. 573-576.
 58. Anders, M.H., Christie-Blick, N., Wills, S., and Krueger, S.W., 2001, Rock deformation studies in the Mineral Mountains and Sevier Desert of west-central Utah: Implications for upper crustal low-angle normal faulting: *Geological Society of America Bulletin*, v. 113, p. 895-907.
 59. Kennedy, M.J., Christie-Blick, N., and Sohl, L.E., 2001, Are Proterozoic cap carbonates and isotopic excursions a record of gas hydrate destabilization following Earth's coldest intervals?: *Geology*, v. 29, p. 443-446.
 60. Kennedy, M.J., Christie-Blick, N., and Prave, A.R., 2001, Carbon isotopic composition of Neoproterozoic glacial carbonates as a test of paleoceanographic models for snowball Earth phenomena: *Geology*, v. 29, p. 1135-1138.
 61. Pekar, S.F., Christie-Blick, N., Kominz, M.A., and Miller, K.G., 2001, Evaluating the stratigraphic response to eustasy from Oligocene strata in New Jersey: *Geology*, v. 29, p. 55-58.
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OTHER MANUSCRIPTS

The JSR editor has agreed to consider the following manuscripts for publication in the same issue.

Christie-Blick, N., and Giles, S.M., Sequence stratigraphy and origin of kilometer-deep buried canyons in the Ediacaran of South Australia: *Journal of Sedimentary Research*.

Giles, S.M., Christie-Blick, N., and Lankford-Bravo, D.F., New insights from the sinuous Ediacaran-age canyon at Umberatana syncline, South Australia: *Journal of Sedimentary Research*.

Drafts exist for the following manuscripts.

Almeida, R., Christie-Blick, N., Hemming, S.R., Cai, Y., Thomson, S., and Anders, M.H., Reassessing the magnitude and mechanisms of extension and the role of transfer faults in the Lake Mead region, Nevada: New constraints from Frenchman Mountain and Gold Butte: *Geological Society of America Bulletin*.

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DeLuca, M.J., Christie-Blick, N., and Hemming, S.R., A new $^{40}\text{Ar}/^{39}\text{Ar}$ age and field observations from the Old Red Sandstone near Stonehaven, Scotland: Implications for tectonic models and the timing of the first air-breathing animals: *Terra Nova*.

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Walker, C.D., Anders, M.H., and Christie-Blick, N., A gravity slide interpretation of the Mormon Peak detachment: *Geological Society of American Bulletin*.

SELECTED RECENT ABSTRACTS

¹¹Christie-Blick, N., Geyer, W.R., and Giles, S., 2020, Coriolis deflection of hyperpycnal flow in delta front sediments in the mid-Ediacaran (~580 Ma) Wonoka canyon at Umberatana syncline, South Australia: *Geological Society of America, Abstracts with Programs*, v. 52, No. 6, [doi: 10.1130/abs/2020AM-354107](https://doi.org/10.1130/abs/2020AM-354107).

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¹² The 36th International Geological Congress, originally scheduled for 2-8 March, 2020, was postponed twice in response to COVID-19 concerns; and then cancelled in January, 2021.

¹³ The SEPM International Sedimentary Geosciences Congress, originally scheduled for 26-29 April, 2020, was likewise postponed in response to COVID-19, and then cancelled.

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