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PROFESSIONAL PREPARATION:

Springfield College, Springfield, MA 01109	Biology, B.A.	1971
University of Texas Medical School, San Antonio, TX	Medical Technology, ASCP	1972
Thomas College, Waterville, ME 04901	Business, M.B.A.	1994
University of Maine, Orono, ME 04469-5781	Quaternary Studies, M.S.	2003
Chironomids: Research Centre Short Course, University College, London		2003

APPOINTMENTS:

2015 – Present *Associate Graduate Faculty*, School of Earth and Climate Sciences, University of Maine
2004 - Present *Research Associate*, Paleocology Research Laboratory, Climate Change Institute
2014 – 2016 *Paleocology Laboratory Manager*, Climate Change Institute
2005 – 2014 *Adjunct Science Lecturer*, Natural Sciences Department, University of Maine Farmington
2001 - 2003 *Graduate Research Assistant*, Climate Change Institute, University of Maine

PUBLICATIONS:

Commerford, J.L., Grimm, E.C., Morris, C.J., **Nurse, A.**, Stefanova, I., McLauchlan, K.K. 2018. Regional variation in Holocene climate quantified from pollen in the Great Plains of North America, *International Journal of Climatology* 38, 1794-1807.

Nurse, A.M., Reavie, E.D., Ladwig, J.L., Yost, C.L. 2017. Pollen and phytolith paleoecology in the St. Louis River Estuary, Minnesota, USA, with special consideration of *Zizania palustris* L., *Review of Palaeobotany and Palynology* 246, 216-231.

Williams, J.J., Beutel, M., **Nurse, A.**, Moore, B., Hampton, S.E., Saros, J.E. 2016. Phytoplankton responses to nitrogen enrichment in Pacific Northwest, USA Mountain Lakes, *Hydrobiologia*, DOI 10.1007/s10750-016-2758-y.

Dieffenbacher-Krall, A.C., H.W. Borns Jr., **A.M. Nurse**, S. Birkel, G.E.C. Langley, L.C. Cwynar, L.A. Doner, C.C. Dorion, J. Fastook, G.L. Jacobson Jr., C. Sayles, 2016. Younger Dryas Paleoenvironments and Ice Dynamics in Northern Maine: a Multi-Proxy, Case History, *Northeast Naturalist* 23 (1), 67-87.

Mueller, J.R., Long, C.J., Williams, J.J., **Nurse, A.**, McLauchlan, K.K. 2014. The relative controls on forest fires and fuel source fluctuations in the Holocene deciduous forests of southern Wisconsin, USA. *Journal of Quaternary Science* 29 (6), 561-569.

Morris, J.L., Mueller, J.R., **Nurse, A.**, Long, C.J., McLauchlan, K.K. 2014. Holocene fire regimes, vegetation and biogeochemistry of an ectone site in the Great Lakes Region of North America. *Journal of Vegetation Science* 25, 1450-1464.

Nurse, A.M. and Hayward, S. 2013. *Cypripedium arietinum* Ait.f.: species abundance and vitality in Maine, (in Mollicone, M., Doucette, E., Gottlieb, M., Spaulding, D., Pope, R. editors) *Bulletin of the Josselyn Botanical Society* 14, 37-44.

Barton, A.M., **Nurse, A.M.**, Michaud, K., Hardy, S.W. 2010. Use of CART Analysis to Differentiate Pollen of Red Pine (*Pinus resinosa*) and Jack Pine (*P. banksiana*) in New England. *Quaternary Research* 75, 18-23.

Saros, J.E., Rose, K.C., Clow, D.W., Stephens, V.C., **Nurse, A.M.**, Arnett, H.A., Stone, J.R., Williamson, C.E., Wolfe, A.P., 2010. Melting Alpine Glaciers enrich High-Elevation Lakes with Reactive

- Nitrogen. *Environmental Science Technology* 44, 4891-4896.
- Köster, D., Lichter, J., Lea, P.D., and **Nurse, A.** 2007: Historical eutrophication in a river-estuary complex in mid-coast Maine. *Ecological Applications* 17(3), 765-778.
- Dieffenbacher-Krall, A. and **Nurse, A.** 2005: Late-glacial and Holocene record of lake levels of Mathews Pond and Whitehead Lake, Northern Maine, USA. *Journal of Paleolimnology* 34, 283-310.
- Nurse, A.** 2003: 12,000-year record of lake-level and vegetation change at Mathews Pond, Piscataquis County, Maine, USA. Masters of Science Thesis, Climate Change Institute, University of Maine, Orono, ME.

POSTERS, PRESENTATIONS, TECHNICAL REPORTS:

- Nurse, A.** 2016. *Short Course in Bee Pollen Analysis*, UMass Cranberry Research Station, East Wareham, MA.
- Puseman, K., Yost, C., **Nurse, A.**, Monnier, G. 2015. *Pollen, phytolith, macrofloral, AMS radiocarbon dating, and FTIR analysis of a sediment sample from the Sage Hen Gap Site, 35HA3548, Oregon.* Paleosciapes Archaeobotanical Services Team Technical Report 15005 prepared for Museum of Natural and Cultural History, State Museum of Anthropology, University of Oregon. p. 30.
- Puseman, K., Yost, C., **Nurse, A.** 2014. *Macrofloral, phytolith, and pollen analysis of peat from Elliott's Island and paleosol samples from Parson's Island, Maryland.* Paleosciapes Archaeobotanical Services Team Technical Report 13006 prepared for Chesapeake Bay Watershed Archaeological Research Foundation, Inc. and Smithsonian Institution. p. 17.
- Fastook, J. Sayles, C., Borns, H., Dieffenbacher-Krall, A., **Nurse, A (presenter)**, Hall, B., Langley, G. 2007: Ice sheet model estimates ice mass balance over northern Maine during Younger Dryas cold reversal. *2007 Abstracts with Programs*, Geological Society of America Northeastern Section, Durham, NH, p.91.
- Nurse, A.**, Borns, H., Hall, B., Dieffenbacher-Krall, A., Fastook, J. 2006: Geologic and paleoecologic evidence of ice mass advance in northern Maine during Younger Dryas cold reversal. *2006 Abstracts with Programs*, Geological Society of America, Philadelphia, PA, p.236.
- Nurse, A.** and Barton, D. 2005: Classification of Four Species of *Pinus* Pollen from Maine, USA. American Association of Stratigraphic Palynologists Program Abstracts, St. Louis, MO.
- Nurse, A.** 2003: 12,000-year record of fire activity, lake-level change, and forest succession at Mathews Pond, Piscataquis County, Maine. Program and Abstracts, Wildland Fire Impacts on Watersheds, Geological Society of America, Englewood, CO.
- Nurse, A.** 2003: 12,000-year record of lake-level change at Mathews Pond, Piscataquis County, Maine. Guy Lortie Award for poster presentation by a student (2nd place), Canadian Quaternary Association, Dalhousie University, Halifax, Nova Scotia, p. 83.
- Nurse, A.**, Dieffenbacher-Krall, A., Dorion, C. 2002: Asynchrony of major Holocene lake-level changes across Maine. *2002 Abstracts with Programs*, Geological Society of America Northeastern Section, Springfield, MA, p. 30.

COLLABORATORS:

S. Norton (University of Maine), J. Saros (University of Maine), Euan Reavie (University of Minnesota), Kathy Puseman (Paleosciapes Archaeobotanical Services), Kendra McLaughlan (Kansas State University), S. Cooper (Bryn Athyn College), H.W. Borns (University of Maine), A. Barton (University of Maine, Farmington), A.C. Dieffenbacher-Krall (University of Maine), B. Hall (University of Maine), D. Putnam (University of Maine, Presque Isle), G.H. Denton (University of Maine), G.L. Jacobson, Jr. (University of Maine), D. Koster (University of Laval), P. Lea (Bowdoin College), J. Lichter (Bowdoin College), E. Rowland (University of Arizona), M. Vandergoes (University of Maine), A. White (University of Maine) G. Mittelhauser (Maine Natural History Observatory).