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EMPLOYMENT/EDUCATION

University of Maine

2006- *Associate Professor*, Climate Change Institute and Department of Earth Sciences
2000-2006 *Assistant Professor*
2000- *Director*, Stable Isotope Laboratory

Woods Hole Oceanographic Institution

1998-2000 *Postdoctoral Scholar*, Department of Marine Chemistry and Geochemistry and Department of Geology and Geophysics
Advisors: Drs. E.R. Sholkovitz and L.D. Keigwin

University of New Hampshire

1998 Ph.D. Earth Science (Geochemical Systems)
Ice Core Glaciochemical Records of Late Holocene Climatic Variability in West Antarctica
Advisor: Dr. P.A. Mayewski

University of Maine

1994 M.S. Geological Sciences
Paleoceanographic Conditions of the Late Wisconsin Marine Submergence in Eastern Coastal Maine: Stable Isotopic Evidence
Advisor: Dr. H.W. Borns, Jr.

State University of New York at Buffalo

1992 B.A. Geological Sciences

AWARDS, HONORS, AND FELLOWSHIPS

2008 Grand Island Distinguished Alumni Award
2003 UMaine Research Honor Roll
1998 Woods Hole Oceanographic Institution Postdoctoral Fellowship
1998 U.S. Geological Survey Postdoctoral Fellowship
1998 Sigma Xi Award for Excellence in Dissertation Research
1997 University of New Hampshire Dissertation Fellowship
1996 NASA Graduate Fellowship
1993 NSF Experimental Program to Stimulate Competitive Research (EPSCoR) Fellowship

PROFESSIONAL AFFILIATIONS

1998- The Geochemical Society
1998- Sigma Xi
1997- American Association for the Advancement of Science
1997- Union of Concerned Scientists
1995- International Glaciological Society
1994- American Quaternary Association
1994- American Geophysical Union

TEACHING EXPERIENCE

University of Maine

2009- ERS 201: Global Environmental Change

2009- ERS 369: Energy Resources and Climate Change
 2003-2008 ERS 200: Earth Systems
 2002- ERS 527: Isotope Geology
 2001- ERS 602: Stable Isotope Geochemistry
 2000-2008 ERS 315: Principles of Stratigraphy and Sedimentology

University of New Hampshire

1996-1998 Teaching Assistant; Natural Climate Variability

University of Maine

1993 Teaching Assistant; Introductory Geology

University of Buffalo

1992 Teaching Assistant; Summer Geology Field Course, Western U.S.

INVITED LECTURES/SYMPOSIA

2009 AGU Fall Meeting, San Francisco
 2009 NSF Conversations from Antarctica
 2008 AGU Fall Meeting, San Francisco
 2004 AGU Spring Meeting, Montreal
 2002 UMaine Dept. of Chemistry
 CORONA Conference, Isle of Shoals
 U.S. Geological Survey
 2000 Cambridge University (U.K.)
 University of Maine
 1999 University of California San Diego
 Massachusetts Institute of Technology
 NSF/PAGES Swiss Climate Summer School, *The Dynamics of the Earth System: Processes and Records of Past Climate Change*, Hasliberg, Switzerland
 1998 NSF/NATO Summer School, *Greenland Ice Cores and North Atlantic Climate*, Thule, Greenland
 NATO Advanced Study Institute, *Numerical Modeling of the Global Atmosphere*, Brunig, Italy
 Woods Hole Oceanographic Institution
 1997 Dartmouth College
 AIRNET Conference, Keene State College
 Northern New England Junior Science and Humanities Conference
 1996 AIRNET Conference, Notre Dame College
 1995 NASA Summer School for Earth Sciences, *Processes of Global Change*, Pasadena, California
 NATO Advanced Study Institute, *The Stratosphere and its Role in the Climate System*, Montreal, Quebec

PROFESSIONAL SERVICE

2009- Member, Senior Advisory Board, Ice Drilling Program Office
 2009- Chair, U.S. Ice Core Working Group
 2009- Member, Maine Audubon Board of Trustees
 2005-2009 Member, U.S. Ice Core Working Group (stable isotope representative)
 2008- University Research Council Hi-Tech Equipment Committee
 2007- UMaine Faculty Senate; Research and Scholarship Committee
 2008 co-convenor, AGU Fall meeting, "Tropical Pacific Paleoceanography during the Late Quaternary"
 2007 co-convenor, AGU Fall meeting, "Low to High Latitude North Pacific Climate During the Holocene"
 2004 co-convenor, EGU 1st General Assembly session, "Climatic and environmental records from mid and low latitude ice cores"
 2004- Chair, Churchill Exploration Fund committee
 2002- Chair, UMaine ICP-MS Facility advisory board
 2005- UMaine Sawyer Environmental Chemistry Research Laboratory advisory board
 2000- Served on several ERS and CCI search committees, CCI graduate committee, ERS and CCI planning committees

1996- GSA Partners for Education Program (PEP)
1996 NSF Electronic Emissary Program
1994- Several (>50) presentations to K-12 classes and civic organizations

Panel reviewer for NSF and German Research Foundation (DFG); proposal reviews for NSF, European Science Foundation, German Research Foundation, National Geographic, Canadian Science Foundation, Netherlands Organization for Scientific Research, Australian Antarctic Program, US-Israel Binational Science Foundation, Swiss National Science Foundation

Manuscript reviewer for *Science*, *Nature*, *Journal of Geophysical Research*, *Tellus*, *Geophysical Research Letters*, *Journal of Glaciology*, *Quaternary Science Reviews*, *Annals of Glaciology*, *Climate of the Past*, *Climate Dynamics*, *Environmental Science and Technology*, *Journal of Climate*, *Geology*, *Applied Geochemistry*, *Geochimica et Cosmochimica Acta*, *Hydrological Processes*, Kluwer Publishers

STUDENT ADVISING

In progress:

Dominik Winski (advisor, MS expected 2012)
Seth Campbell (advisor, MS expected 2010)
Bess Koffman (advisor, PhD expected 2012)
Rebecca Witherow (Ohio State University, committee member; PhD expected 2009)
Eric Kelsey (University of New Hampshire, committee member; PhD expected 2010)
Daniel Dixon (committee member, PhD expected 2008)

Completed:

Shelly Griffin (advisor, Capstone 2009)
Stuart Ryan (external advisor, Bates College; BS 2009)
Elena Korotkikh (committee member; MS 2009)
Benjamin Gross (advisor, MS 2008)
Alan Wanamaker (advisor; PhD 2007)
Bjorn Grighom (committee member; MS 2007)
Erich Osterberg (committee member; PhD 2007)
Bruce Williamson (advisor; MS 2006)
Daniel Dixon (committee member; MS 2004)
Susan Kaspari (committee member; MS 2003; PhD 2007)
Kaplan Yalcin (University of New Hampshire, committee member; PhD 2005)
Lee Pruett (advisor; MS 2003)
Thomas Whittaker (committee member; MS 2004)
V. Blue Spikes (committee member; PhD 2003)
Dylan Andrews (Capstone advisor; 2001)

FIELD RESEARCH EXPERIENCE

2008 Denali National Park, Alaska
2005 Dry Valleys, Antarctica
2004 Dry Valleys, Antarctica
2003 Dry Valleys, Antarctica
2003 Eclipse Icefield (St. Elias Mountains)
2002 Eclipse Icefield (St. Elias Mountains)
2001 Central Asia (Altai Mountains)
2001 Ecuador (Andes Mountains)
2000 Central Asia (Tien Shan Mountains)
1998 Nepal (Khumbu Himalaya)
1998 Central Asia (Tien Shan Mountains)
1998 Iceland (Eyjafjallajökull Ice Cap)
1996 West Antarctica (Siple Dome)
1995 West Antarctica (Marie Byrd Land)
1994 West Antarctica (Siple Dome)
1992-1994 Eastern coastal Maine, UMaine Graduate Research

RESEARCH FUNDING

- Collaborative Research: Asian Ice Core Array (AICA): Reconstruction of Past Physical and Chemical Climate Over Asia, NSF-ATM Paleoclimate, \$415,336, co-PI, 2008-2011.
- Collaborative Research: Drillsite Reconnaissance and Snow Chemistry Survey in Denali National Park, NSF-OPP Arctic Natural Sciences, \$95,200, PI, 2007-2009.
- Collaborative Research: Microparticle/tephra analysis of the WAIS Divide ice core, NSF-OPP Antarctic Glaciology, \$591,434, PI, 2007-2010.
- Collaborative Research: 2000+ Year Detailed, Calibrated Climate Reconstruction from a South Pole Ice Core Set in an Antarctic – Global Scale Context, NSF-OPP Antarctic Glaciology, \$203,858, co-PI, 2007-2010.
- Dry Valleys Late Holocene Climate Variability, NSF-OPP Antarctic Glaciology, \$440,342, PI, 2003-2008.
- A new Mt. Logan ice core record – change in climate and chemistry of the atmosphere for the North Pacific, NSF-OPP Arctic Natural Sciences, \$375,000, co-PI, 2002-2005.
- Aquaculture-Based Calibration of the *M. edulis* Isotope Paleothermometer, NSF-ATM Paleoclimate, \$233,570, PI, 2002-2005.
- Acquisition of a high resolution ICP-MS for Environmental Research and Training in Maine, NSF-MRI, \$350,308, PI, 2002-2005.
- Determining the Sources of Salt Pollution in Maine Ground Water Using Isotopic and Elemental Characterization, MAFES/USDA, \$27,400, co-PI, 2002-2005.
- Paleoclimate from Mt. Everest Ice Cores, NSF-ATM Earth Systems History, \$397,005, co-PI, 2001-2004.
- Collaborative Research: A Glaciochemical Record of Natural and Anthropogenic Environmental Change in the Northwestern North American Arctic, NSF-OPP Arctic Natural Sciences, \$129,763, PI, 2002-2006.
- Isotope Hydrology in High-Elevation Ecuador Watersheds. University of Maine Faculty Research Fund Award, \$8,700, PI, 2001-2002.
- Long-term Dynamics of the Southern Monsoons, Glaciers, and Water Resources in South-Eastern Tibet, National Geographic Society, \$25,000, Co-PI, 2001-2002.
- Paleoclimate and Glaciological Reconstructions in Central Asia Through the Collection and Analysis of Ice Cores and Instrumental Data from the Tien Shan, NSF-ATM Earth Systems History, \$252,226; DOE, \$181,674, PI, 1999-2002.
- Isotopic, Ionic, and Elemental Measurements on 1999 Snowpit Samples Collected from the Inilchek Glacier, Central Tien Shan, U.S. Geological Survey, \$15,000, PI, 1999.
- Trace Element Analysis of Upper Fremont Glacier (Wyoming) Ice Core Samples: A Pilot Study, U.S. Geological Survey, \$3,000, PI, 1999.
- Ice Core Reconnaissance in the Central Tien Shan, Kyrgyzstan, DOE, \$25,000, PI, 1998.

PUBLICATIONS (PEER REVIEWED)

Fisher, D., E. O. Osterberg, A. Dyke, D. Dahl-Jensen, M. Demuth, C. Zdanowicz, J. Bourgeois, R. Koerner, P.

- Mayewski, C. P. Wake, K. J. Kreutz, E. Steig, J. Zheng, K. Yalcin, K. Goto-Azuma, B. Luckman, and S. Rupper (2008), The Mt. Logan Holocene-Wisconsinan isotope record: Tropical Pacific-Yukon connections, *Holocene*, 18(5), 667-677.
- Arcone, S.A., and Kreutz, K.J., 2009, GPR reflection profiles of Clark and Commonwealth Glaciers in the Dry Valleys, Antarctica, *Annals of Glaciology*, 50(51), 112-120.
- Mann, J.L., Shuman, C.A., Kelly, W.R., and Kreutz, K.J., 2008, Measurement of $\delta^{34}\text{S}$ in two high-elevation snowpits by multiple-collector thermal ionization mass spectrometry (MC-TIMS) using a ^{33}S - ^{36}S double spike, *Geochimica et Cosmochimica Acta*, 72, 3907-3927.
- Wanamaker, A.D., Kreutz, K.J., Wilson, T., Borns, H.W. Jr., Introne, D., and Feindel, S., 2008, Experimentally derived Mg/Ca and Sr/Ca ratios in juvenile bivalve calcite in *M. edulis*: implications for paleotemperature reconstruction, *Geo-Marine Letters*, DOI 10.1007/s00367-008-0112-8.
- Wanamaker, A.D., Kreutz, K.J., Schone, B.R., Maasch, K.A., Pershing, A.J., Borns, H.W., Introne, D.S., and Feindel, S., 2008, A late Holocene paleo-productivity record in the western Gulf of Maine, USA, inferred from growth histories of the long-lived ocean quahog (*Arctica islandica*), *International Journal of Earth Sciences*, doi 10.1007/s00531-008-0318-z.
- Osterberg, E., Mayewski, P.A., Kreutz, K.J., Fisher, D.A., Handley, M., Sneed, S., Zdanowicz, C., Zheng, J., Demuth, M., Waskiewicz, M., Bourgeois, J., 2008, Ice core record of rising lead pollution in the North Pacific Atmosphere, *Geophysical Research Letters*, 35, L05810, doi:10.1029/2007GL032680.
- Wanamaker, A.D. Jr., Kreutz, K.J., Schone, B.R., Petigrew, N., Borns, H.W., Introne, D.S., Belknap, D., Maasch, K.A., and Feindel, S., 2007, Coupled North Atlantic slope water forcing on Gulf of Maine temperatures over the past millennium, *Climate Dynamics*, doi 10.1007/s00382-007-0344-8.
- Williamson, B.R., Kreutz, K.J., Mayewski, P.A., Bertler, N.A.N., Sneed, S., Handley, M., and Introne, D., 2007, A coastal transect of McMurdo Dry Valleys snow and firn: marine and terrestrial influences on glaciochemistry, *Journal of Glaciology*, 53(183), 1-13.
- Kaspari, S., Mayewski, P., Kang, S., Sneed, S., Hou, S., Hooke, R., Kreutz, K.J., Introne, D., Handley, M., Maasch, K., Qin, D., and Ren, J., 2007, Reduction in northward incursions of the South Asian monsoon since ~1400 AD inferred from a Mt. Everest ice core, *Geophysical Research Letters*, 34, L16701, doi:10.1029/2007GL020440.
- Wanamaker, A.D., Kreutz, K.J., Borns, H.W. Jr., Introne, D.S., Feindel, S., Funder, S., Rawson, P., and Barber, B., 2007, Experimental determination of salinity, temperature, growth, and metabolic effects on shell chemistry of *Mytilus edulis* collected from Maine and Greenland, *Paleoceanography*, 22, PA2217, doi:10.1029/2006PA001352.
- Yalcin, K., C. P. Wake, K. J. Kreutz, M. S. Germani, and S. I. Whitlow, 2007, Ice core paleovolcanic records from the St. Elias Mountains, Yukon, Canada, *Journal of Geophysical Research*, 112, D08102, doi:10.1029/2006JD007497.
- Bertler, N.A.N., Naish, T.R., Oerter, H., Kipfstuhl, S., Barrett, P.J., Mayewski, P.A., and Kreutz, K.J., 2006, The effects of joint ENSO-Antarctic Oscillation forcing on the McMurdo Dry Valleys, Antarctica, *Antarctic Science*, 18(4), 507-514.
- Kreutz, K.J., 2006, Glaciochemistry, in Elias, S.A. ed., *Encyclopedia of Quaternary Science*, Elsevier Publishers, London, 1192-1998.
- Osterberg, E., Handley, M., Sneed, S., Mayewski, P.A., and Kreutz, K.J., 2006, A continuous ice core melter systems with discrete sampling for major ions, trace metals, and stable isotopes, *Environmental Science and Technology*, 40, 3355-3361.

- Yalcin, K., Wake, C.P., Kang, S., Kreutz, K.J., and Whitlow, S., 2006, Seasonal and spatial variability of snow chemistry at Eclipse Icefield, Yukon Territories, Canada, *Annals of Glaciology*, 43, 1-9.
- Yalcin, K., C. P. Wake, K. J. Kreutz, M. S. Germani, and S. I. Whitlow, 2006, Ice core evidence for a second volcanic eruption around 1809 in the Northern Hemisphere, *Geophysical Research Letters*, 33, L14706, doi:10.1029/2006GL026013.
- Wanamaker, A.D., Kreutz, K.J., Borns, H.W., Introne, D.S., Feindel, S., Barber, B., and Funder, S.V., 2006, An aquaculture-based method for calibrated bivalve isotope paleothermometry, *Geochemistry, Geophysics, Geosystems*, 7 (9), doi:10.1029/2005GC001189.
- Yalcin, K., Wake, C.P., Whitlow, S.I., and Kreutz, K.J., 2006, Forest fire signals recorded in ice cores from the Eclipse Icefield, Yukon Territories, Canada, *Holocene*, 16, 200-209.
- Bertler, N.A.N., Mayewski, P.A., Arístarain, A., Barrett, P., Becagli, S., Bernardo, R., Bo, S., Curran, M., Qin, D., Dixon, D., Ferron, F., Fischer, H., Frey, M., Frezzoti, M., Fundel, F., Genthon, C., Gragnani, R., Hamilton, G., Handley, M., Hong, S., Isaksson, E., Kang, J., Ren, J., Kamiyama, K., Kanamori, S., Karkas, E., Karlof, L., Kaspari, S., Kreutz, K.J., Kurbatov, A., Meyerson, E., Ming, Y., Zhang, M., Motoyama, H., Mulvaney, R., Oerter, H., Osterberg, E., Proposito, M., Pyne, A., Ruth, U., Simoes, J., Smith, B., Sneed, S., Teinila, K., Traufetter, F., Udisti, R., Virkkula, A., Watanabe, O., Williamson, B., Winther, J.-G., Li, Y., Wolff, E., Li, Z., Zielinski, A., Snow chemistry across Antarctica, 2005, *Annals of Glaciology*, 41, 167-179.
- Aizen, V.B., Aizen, E., Fujita, K., Nikitin, S.A., Kreutz, K.J., and Takeuchi, L.N., 2005, Stable-isotope time series and precipitation origin from firn-core and snow samples, Altai glaciers, Siberia, *Journal of Glaciology*, 51(175), 637-654.
- Fisher, D.A., Wake, C.P., Kreutz, K.J., Yalcin, K., Steig, E., Mayewski, P.A., Anderson, L., Zheng, J., Rupper, S., Zdanowicz, C., Demuth, M., Waskiewicz, M., Dahl-Jensen, D., Goto-Azuma, K., Bourgeois, J., Koerner, R., Sekerka, J., Osterberg, E., Abbott, M., Finney, B., and Burns, S., 2006, Stable isotope records from Mouth Logan, Eclipse ice cores and nearby Jellybean Lake. Water cycle of the North Pacific over 2000 years and over five vertical kilometers: sudden shifts and tropical connections, *Geographie physique et Quaternaire*, 58, (2-3), 17-27.
- Bertler, N.A.N., Barrett, P., Mayewski, P.A., Fogt, R., Kreutz, K.J., and Shulmeister, J., 2004, El Niño suppresses Antarctic warming, *Geophysical Research Letters*, 31, L15207, doi:10.1029/2004GL020749.
- Pruett, L.E., Kreutz, K.J., and Wadleigh, M., and Aizen, V.B., 2004, Assessment of sulfate sources in high-elevation Asian precipitation using stable sulfur isotopes, *Environmental Science and Technology*, 38, 4728-4733.
- Aizen, V.B., Aizen, E.M., Melack, J.M., Kreutz, K.J., and Cecil, L.D., 2004, Association between atmospheric circulation patterns and firn-ice core records from the Inilchek glacierized area, central Tien Shan, *Journal of Geophysical Research*, 109, doi:10.1029/2003JD003894.
- Alexander, B., Savarino, J., Kreutz, K.J., and Thiemens, M.H., 2004, Impact of preindustrial biomass burning emissions on the oxidation pathways of tropospheric sulfur and nitrogen, *Journal of Geophysical Research*, 109, D08303, doi:10.1029/2003JD004218.
- Borns, H.W. Jr., Doner, L.A., Dorion, C.C., Jacobson, G.L. Jr., Kaplan, M.R., Kreutz, K.J., Lowell, T.V., Thompson, W.B., and Weddle, T.K., 2004, The deglaciation of Maine, U.S.A., in Ehlers, J. and Gibbard, P.L., eds., *Quaternary Glaciations – Extent and Chronology Part II: North America*, Elsevier Publishers, New York, 89-109.
- Kreutz, K.J., C.P. Wake, V.B. Aizen, L.D. Cecil, J.R. Green, and Synal, H.A., 2004, Event to decadal

- scale glaciochemical variability on the Inilchek Glacier, Central Tien Shan, in Cecil, L.D., Thompson, L.G., and Steig, E.J., eds., *Earth Paleoenvironments: Records Preserved in Mid- and Low-Latitude Glaciers*, Kluwer Publishers, 61-79.
- Dixon, D., Mayewski, P.A., Kaspari, S.D., Kreutz, K.J., Hamilton, G.S., Maasch, K., Sneed, S.B., and Handley, M.J., 2005, A 200-year sulfate record from sixteen Antarctic ice cores and associations with Southern Ocean sea ice extent, *Annals of Glaciology*, 39, 545-556.
- Bertler, N.A.N., Mayewski, P.A., Barrett, P.J., Sneed, S.B., Handley, M.J., and Kreutz, K.J., 2004, Monsoonal circulation of the McMurdo Dry Valleys, Ross Sea region, Antarctica: signal from the snow chemistry, *Annals of Glaciology*, 39, 135-145.
- Mayewski, P.A., Maasch, K.A., White, J.W.C., Meyerson, E.A., Goodwin, I., Morgan, V.I., van Ommen, T., Souney, J., and Kreutz, K.J., 2004, A 700 year record of Southern Hemisphere extra-tropical climate variability, *Annals of Glaciology*, 39, 127-132.
- Pruett, L.E., Kreutz, K.J., Wadleigh, M., Mayewski, P.A., and Kurbatov, A., 2004, Sulfur isotopic measurements from a West Antarctic ice core: implications for sulfate source and transport, *Annals of Glaciology*, 39, 545-556.
- Kreutz, K.J., Wake, C.P., Aizen, V.B., Cecil, L.D., and Synal, H.A., 2003, Seasonal deuterium excess in a Tien Shan ice core: influence of moisture transport and recycling in Central Asia, *Geophysical Research Letters*, 30(18), 1922, doi:10.1029/2003GL017896.
- Kang, S., Kreutz, K.J., Mayewski, P.A., Qin, D., and Tandong, Y. 2002, Stable isotopic composition of precipitation over the northern slope of the central Himalaya. *Journal of Glaciology*, 48(163), 519-526.
- Meyerson, E.A., Mayewski, P.A., Kreutz, K.J., Meeker, L.D., Whitlow, S.I., and Twickler, M.S. 2002, The polar expression of ENSO and sea-ice variability as recorded in a South Pole ice core. *Annals of Glaciology*, 35, 430-436.
- Kang, S., Mayewski, P.A., Qin, D., Yan, Y., Hou, S., Zhang, D., and Kreutz, K.J. 2002, Glaciochemical records from a Mt. Everest ice core: relationship to atmospheric circulation over Asia. *Atmospheric Environment*, 36(21), 3351-3361.
- Dorion, C.C., Balco, G.A., Kaplan, M., Kreutz, K.J., Wright, J., and Borns, H.W. Jr. 2001, Stratigraphy, paleoceanography, chronology, and environment during deglaciation of eastern Maine. In Weddle, T.K., and Retelle, M.J., eds., *Deglacial History and Relative Sea-Level Changes, Northern New England and Adjacent Canada*, Geological Society of America Special Paper 351, p. 215-242.
- Kreutz, K.J., Aizen, V.B., Cecil, L.D., and Wake, C.P. 2001, Oxygen isotopic and soluble ionic composition of precipitation recorded in a shallow firn core, Inilchek Glacier (Central Tien Shan). *Journal of Glaciology*, 47(159), 548-554.
- Kreutz, K.J., and Sholkovitz, E.R. 2000, Major element, rare earth element, and sulfur isotopic composition of a high-elevation firn core: Sources and transport of mineral dust in Central Asia. *Geochemistry, Geophysics, Geosystems (G³)*, 1, paper 2000GC000082.
- Kreutz, K.J., Mayewski, P.A., Meeker, L.D., Twickler, M.S., and Whitlow, S.I. 2000, The effect of spatial and temporal accumulation rate variability in West Antarctica on soluble ion deposition. *Geophysical Research Letters*, 27(16), 2517-2520.
- Kreutz, K.J., Mayewski, P.A., Pittalwala, I.I., Meeker, L.D., Twickler, M.S., and Whitlow, S.I. 2000. Sea-level pressure variability in the Amundsen Sea region inferred from a West Antarctic glaciochemical record. *Journal of Geophysical Research*, 105 (D3), 4047-4059.
- Bromwich, D.H., Rogers, A.N., Kållberg, P., Cullather, R.I., White, J.W.C., and Kreutz, K.J. 2000.

ECMWF analyses and reanalyses depiction of ENSO signal in Antarctic precipitation. *Journal of Climate*, 13, 1406-1420.

Kreutz, K.J., Mayewski, P.A., Twickler, M.S., Whitlow, S.I., White, J.W.C., Shuman, C.A., Raymond, C.R., Conway, H., and McConnell, J.R. 1999. Seasonal variations of glaciochemical, isotopic, and stratigraphic properties in Siple Dome, Antarctica surface snow. *Annals of Glaciology*, **29**, 38-44.

Kreutz, K.J., and Mayewski, P.A. 1999. Spatial variability of Antarctic surface snow glaciochemistry: Implications for paleoatmospheric circulation reconstructions. *Antarctic Science*, **11**(1), 105-118.

Kreutz, K.J., Mayewski, P.A., Whitlow, S.I., and Twickler, M.S. 1998. Limited migration of soluble ionic species in a Siple Dome, Antarctic ice core. *Annals of Glaciology*, **27**, 371-377.

Kreutz, K.J., Mayewski, P.A., Meeker, L.D., Twickler, M.S., Whitlow, S.I., and Pittalwala, I.I. 1997. Bipolar changes in atmospheric circulation during the Little Ice Age. *Science*, **277**, 1294-1296.

Mayewski, P.A., Twickler, M.S., Whitlow, S.I., Meeker, L.D., Yang, Q., Thomas, J., Kreutz, K.J., Grootes, P.M., Morse, D.L., Steig, E.J., Waddington, E.D., Saltzman, E.S., Whung, P.-Y., Taylor, K.C. 1996. Climate change during the Last Deglaciation in Antarctica. *Science*, **272**, 1636-1638.

OTHER PUBLICATIONS

Crowley, T.J., Zielinski, G., Vinther, B., Udisti, R., Kreutz, K.J., Cole-Dai, J., and Castellano, E., 2008, Volcanism and the Little Ice Age, *PAGES News*, 16(2), 22-23.

Bertler, N.A.N., Barrett, P., Mayewski, P.A., Fogt, R., Kreutz, K.J., and Shulmeister, J., 2005, Reply to comment by Doran et al. on "El Nino suppresses Antarctic warming", *Geophysical Research Letters*, 32, L07707, doi:10.1029/2005GL022595.

Green, J., Cecil, L.D., Synal, H.A., Santos, J., Kreutz, K.J., and Wake, C.P., 2004, A high resolution record of chlorine 36 nuclear weapons tests fallout from Central Asia, *Nuclear Instruments and Methods in Physics Research Section B – Beam Interactions with Materials and Atoms*, 223, 854-857.

Green, J., Cecil, L.D., Synal, H.A., Kreutz, K.J., Wake, C.P., Naftz, D.L., and Frape, S.K., 2000, Chlorine 36 and cesium 137 in ice core samples from mid-latitude glacial sites in the Northern Hemisphere, *Nuclear Instruments and Methods in Physics Research Section B – Beam Interactions with Materials and Atoms*, 172, 812-816.

Kreutz, K.J., Mayewski, P.A., Meeker, L.D., Twickler, M.S., and Whitlow, S.I. 1998. Continuous glaciochemical measurements on the Siple Dome deep ice core. *Antarctic Journal of the U.S.*, **33**(5).

Kreutz, K.J., Mayewski, P.A., Twickler, M.S., Whitlow, S.I., and Meeker, L.D. 1997. Glaciochemical studies at Siple Dome, West Antarctica, during the 1996-97 season. *Antarctic Journal of the U.S.*, **32**(5), 46-48.

Kreutz, K.J., Mayewski, P.A., Twickler, M.S., and Whitlow, S.I. 1996. Ice core glaciochemical reconnaissance in Inland West Antarctica. *Antarctic Journal of the U.S.*, **31**(5), 51-52.

SELECTED ABSTRACTS

Kreutz, K.J., Koffman, B., Mayewski, P., Kurbatov, A., Wells, M., Handley, M., and Sneed, S., Modeling Glacial-interglacial changes in dust and sea salt concentrations in West Antarctic deep ice cores: implications for Southern Hemisphere atmospheric dynamics, *PAGES third open science meeting*, Corvallis, OR, July 5-8 2009.

Kreutz, K., Gross, B., Osterberg, E., Handley, M., Wake, C., and Yalcin, K., Constraining recent lead pollution sources in the North Pacific using ice core stable lead isotopes, *Borns Symposium*, Orono, ME, May 8-9, 2009.

Lurie, M., Kreutz, K., Osterberg, E., Wake, C., Introne, D., Campbell, S., Kelsey, E., and Arcone, S., Relationship

- Between Snow Stable Isotope Ratios and Elevation, Denali National Park, Alaska, *Arctic Workshop*, Bates College, ME, April 22-23 2009.
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