

**Date of Appointment to St. Norbert College Faculty:** August 1987

**Current Rank and Date Received** Professor, 2006

**Tenure Date:** 1992

**Promotion:** Associate Professor, 1995  
Professor, 2006

**Educational Background:**

Ph.D. Michigan State University, 1986

M.S. University of Minnesota-Duluth, 1981

B.S. University of Wisconsin-Oshkosh, 1978

**Administrative:** Chair (Associate Dean), Natural Science Division 1997-2002

**Awards:** Donald B. King Distinguished Scholar, 2009  
Leonard Ledvina Excellence in Teaching Award, 1995  
Geological Society of America Fellow, 1995

**Recent + Selected Publications/Professional Presentations:**

- 2020 Currier R.M. and Flood T.P. Rapakivi Texture Formation Via Plagioclase Mush Armoring: Evidence from the Orestes Melt Zone, Antarctica, Geological Society of America, 52:7 Abstracts.
- 2020 Currier R.M. and Flood T.P. The Orestes Melt Zone, McMurdo Dry Valleys, Antarctica: Partially Distributed Melting Regimes in a Contact Melt Zone, with Implications for the Formation of Rapakivi and Albite Granites. **Journal of Petrology**, doi:10.1093/petrology/egz065
- 2019 Noseworthy, C.M., Flood, T.P., Davidson, C.M., Garver, J.I., 2019. Age and tectonic significance of the Paleocene Glacier Island Volcanic sequence of the Orca Group in Prince William Sound, Alaska. Geological Society of America Abstracts with Program, Cordilleran Section - 115th Annual Meeting, Portland Oregon. v. 51, n. 4. doi: 10.1130/abs/2019CD-329372
- 2018 Currier, R. and Flood, T.P., Rapid Melting and the Generation of Disequilibrium and Equilibrium Melting Facies Preserved in a Single, Massive, Partial-Melt Zone, McMurdo Dry Valleys, Antarctica. Geological Society of America, 50:7 Abstracts.
- 2018 K. J. Licht, T. Groth, J. P. Townsend, A. J. Hennessy, S. R. Hemming, T. P. Flood, and M. Studinger. Evidence for Extending Anomalous Miocene Volcanism at the Edge of the East Antarctic Craton. **Geophysical Research Letters**, <https://doi.org/10.1002/2018GL077237>
- 2017 Kirst, S.R., and Flood, T.P., Connecting Science Content and Science Methods for Pre-service Elementary School Teachers. **Journal of College Science Teaching**, Vol. 46, No. 5, p. 49-55.
- 2016 Kirst, S.R., and Flood, T.P., Combining an Introductory Geology Course with a Science Education Course: Lessons Learned after Four Years. Geological Society of America, 48:7 Abstracts.

- 2015 Kirst, S.R., and Flood, T.P., Increasing Efficacy with Pre-Service Teachers via a Combined Science and Science Methods course. Geological Society of America, 47:7 Abstracts.
- 2015 Kirst, S.R., and Flood, T.P., Addressing NGSS by Combining a Science Methods Course with an Introductory Geology Course. Earth Educators' Rendezvous 2015, Boulder, Co.
- 2015 Regula, Andrew J., Ferguson, Charles A., Hess, Zakkary, Miller, C.F., Claiborne, Lily L., McDowell, Susanne M, Cribb, Warner, Flood, Tim P. and Covey, Aaron K., Tuff of Bonelli House, Part 1: Petrologic characterization in type area at Kingman, regional correlation and constraints on Extent. Geological Society of America 47:7 Abstracts.
- 2014 Ham, N.R., Flood, T.P., and Schmeisser McKean, R. L., Nicaragua-an emerging field trip destination-logistics, rewards, and challenges. Geological Society of America 46:6 Abstracts.
- 2014 Kirst, S.R., and Flood, T.P., A project based pre-course geology field trip for K-8 pre-service teachers. Geological Society of America 46:6 Abstracts.
- 2014 Kirst, S.R., and Flood, T.P., Educating the Future Science Educator. National Science Teachers Association National Meeting, Boston, MA.
- 2014 Medaris, Gordon Jr., Flood, Tim, Jicha, Brian and Singer, Bradley, Composition and  $^{40}\text{Ar}/^{39}\text{Ar}$  Age of Pegmatitic Amphibole in the Wausau Syenite Complex, Marathon County, Wisconsin. - Institute on Lake Superior Geology, Annual Meeting 45.
- 2014 Osborne, Z., Feinberg, J. and Flood, T, Hysteresis and Low-Temperature Magnetic Properties of Mount Taylor Obsidian. Proceedings of the 28<sup>th</sup> Annual Keck Geology Undergraduate Research Symposium, Mount Holyoke College, Holyoke, Massachusetts.
- 2013 Kirst, S.R., and Flood, T.P., Using an Interdisciplinary Model to Integrate Next Generation Science Standards. Geological Society of America 45:6 Abstracts.
- 2012 Bader, N.A., Licht K.J., Kaplan, M.R., and Flood, T.P., Provenance of the ice cored moraine tills at Mt. Achnar, Law Glacier, Antarctica American. Geophysical Union National Meeting. Trans. AGU, 93 (46) Fall Meet. Supple., Abstracts.
- 2012 Fisher, B. and Flood, T.P., Mega-riebeckite crystals from the approximately 1.5 Ga Wausau Syenite Complex, Central Wisconsin. Geological Society of America 44:7 Abstracts.
- 2012 Schmeisser McKean, R. L., and Flood, T.P., From fossils to volcanoes: running a field trip course for undergraduates in Northern Arizona. Geological Society of America 44:7 Abstracts.

- 2011 Kirst, S.R., and Flood, T.P., Integrating an introductory geology course and a science education course for k-8 pre-service teachers. Geological Society of America 41:6 Abstracts.
- 2009 Ham, N.R., and Flood, T.P., International field trips in the undergraduate geology curriculum—philosophy and perspectives. **GSA Special Paper 461, Field Geology Education: Historical Perspectives and Modern Approaches** (edited by Steve J. Whitmeyer, Dave W. Mogk, and Eric J. Pyle).
- 2006 Anderson, S.W., Flood, T.P., and Munk, L. Bucking the trend: Three new geoscience programs. **Journal of Geoscience Education, v.54, n.1, January 2006, p.41-49.**
- 2006 Vogel, T.A., Flood, T.P., Patino, L.C., Wilmot, M.S., Maximo P.R., Arpa, M.B., Arcilla, C.A and Stimac, J.A. Geochemistry of silicic magmas in the Macolod Corridor, SW Luzon, Philippines: Evidence of distinct, mantle derived, crustal sources for silicic magmas. **Contributions to Mineralogy and Petrology, 151:267-281.**

#### **Recent Student Publications and Presentations:**

- 2020 Komas, J., . Characterization of Rapakivi Texture Associated with the 1.8 Ga Wolf River Batholith The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2020 Rohloff, E., Micro-Chemical Analysis of Rocks Using a SEM/EDS. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2019 Noseworthy, C. Petrographic Correlation with Geochemistry of Mafic Volcanic Rocks from Glacier Island, Prince William Sound, Alaska. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2016 Gallahue M., and Pankow, A., Petrology of intrusive granites from the Mellen Complex in northwest WI. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2016 Klug, J., and Bisi, G., The Mineralogy and Petrology of the Mellen Pegmatite. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2016 Konop, P., Nielson, K., Hacker, R., Rock Identification and Crystallization History of Gabbroic Rocks from the Mellen Intrusive Complex in Mellen, WI. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2015 Anderson, B.M., Sheffield, N., and Regula, A.J., Petrologic History of Volcán Telica, Nicaragua. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2015 Bukouricz, Q., Analysis of volcanic rocks extracted from Cerro Negro Volcano, Nicaragua. The Collaborative: Undergraduate Research Forum, Saint Norbert College.

- 2015 Larson, M.D., and Nikolai, W.J., Composition of El Hormigon Cinder Cone Near Granada, Nicaragua. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2015 Vander Velden, G.M., Jooste, J.C., and Fasola, S., Petrographic analysis of samples Collected from Masaya Volcano. The Collaborative: Undergraduate Research Forum, Saint Norbert College.
- 2013 Osborne, Z., Oxendorf, K., and Shackelton, A., Granites from the 1.5 Ga Wausau Syenite Complex, Wausau, WI. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2013 Osorno, T., and Heinze, C., Nature of Xenoliths in 1.48 Ga to 1.52 Ga Granitic Rock Complexes in Wausau, WI. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2013 Zwiefelhofer, G., and Topacio, C., Petrogenesis of 1.5 Ga Wausau Syenite from Wausau, WI. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2011 Fischer, W., Petrogenesis of Approximately 1.5 Ga Granitic Rocks from Wausau, WI with Emphasis on Riebeckite Mega-Crystals. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2011 Mayer, J.A., Determination of the Petrochemistry of Rocks from near Mount Achenar, Trans-Antarctic Mountains, Antarctica. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2010 Bader, N., and Folz-Donahue, K., Petrological Origins of the Mellen Granite. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2010 Domrois, S., and Patz, M., The Origin of Textures in a 1.1 Billion Year Old Granitic Pegmatite Near Mellen, WI. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2010 Fischer, B., and Potier, C., Gabbroic Xenoliths in a Granitic Matrix From 1.1 Billion Year Old Rocks Near Mellen, Wisconsin. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2009 Bier, P., Natural Art of the Galapagos. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.
- 2009 Christian, S., Images of Darwin. Celebration of Student and Faculty/Staff Collaborations, St. Norbert College.

## **Grant History:**

- 2019 NSF-S-STEM: Support of Undergraduate Research and Collaborative Education (SOURCE). CO-PI, Request of \$998,759 **Funded**
- 2011 NFS-TUES: Geoscience Preparation for K-8 Pre-Service Teachers: Including Testing the Significance of an Intensive Field-based Experience, Lead Author, Grant request of \$190,386. **Funded.**
- 2010 NSF-MRI: Acquisition of an X-Ray Fluorescence Spectrometer for Geoscience Research (University of Wisconsin-Oshkosh), senior contributor, CO-PI, Grant request of \$265,000 . **Funded**