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EDUCATION

Ph.D. History of Science, 1991

University of Wisconsin—Madison Major: History of Science Minor: American History Dissertation: "Ormsby MacKnight Mitchel and the Development of Astronomy in Antebellum America" Advisor: Ronald L. Numbers

BA, History, 1974

University of Denver, Denver, Colorado Major: History Minor: Physics Advisor: Wolfgang Yourgrau

PROFESSIONAL EXPERIENCE

- 1. May 2015, to the present, Executive Director, The Polymers Center of Excellence, Charlotte, NC.
- January 2013, Pharmaceutical Pelletization Sales North America, Automatik Plastics Machinery, Charlotte, NC.
- 3. January 2011, Named General Manager, Maag-Automatik Inc., Charlotte, NC.
- 4. March 2008, Named President, Automatik Inc., Spartanburg, SC.
- May 2005 to March 2008, Head Non-Woven and Pelletizing Machinery Sales, North America, Rieter Corporation.
- 6. September 1998 to April 2005 VP, Pelletizing Machinery Group, Rieter Corporation.
- 7. January 1995, to August 31, 1998, Sales Manager, Rieter Corporation, Spartanburg, SC.
- 8. 1982 1995, Vice President, General Manager, HMC Inc. Jamestown, NC 27282.
- 9. 1977-1981, Research and Teaching Assistant, University of Wisconsin-Madison, Department of History of Science.

PUBLICATIONS and PRESENTATIONS--Academic

- 1. "Ormsby MacKnight Mitchel," Fort Mitchel Centennial Celebration, 1910-2010, Cincinnati Astronomical Society, June 2011.
- 2. Articles on "Ormsby Mitchel," "Nebular Hypothesis," and "Daniel Kirkwood," Garland Encyclopedias in the History of Science, Marc Rothenberg, ed., 1999.
- 3. "Ormsby MacKnight Mitchel" and "Observatories" in The Oxford Companion to United States History; American National Biography, 2000, and "Ormsby MacKnight Mitchel, 1998.
- 4. "Ormsby MacKnight Mitchel and the Electrochronograph," History of Science Society annual meeting (works-in-progress paper) October 1994.
- "The Social Construction of Plastics," Series of eight articles, Carolinas Section, Spectrogram, 1991.
- "From Infirmaries to Intensive Care: Hospitals in Wisconsin," Wisconsin Medicine, Historical Perspectives, Ronald L. Numbers and Judith W. Leavitt, eds., (Madison: University of Wisconsin Press, 1981).
- 7. "Spiritualism in Wisconsin," Journal of Religious Studies, July 1979.

HONORS, AWARDS and ACHIEVEMENTS

- 1. Elected to the Plastics Pioneers Association, April 2015.
- 2. Named to Advisory Council, UNCC, Department of Mechanical Engineering, October 2015.
- 3. Flight Instructor, Instrument Airplane, 2014.
- 4. Elected President, Spartanburg Pilots Association, January 2012.
- 5. Certified Flight Instructor, Airplane Single-Engine Land, August 2011.
- 6. Multi-Engine Certificate, April 2009.
- 7. Commercial Pilot Certificate, September 2008.
- 8. Instrument Rating, Airplane Single Engine Land, November 2006.
- 9. Private Pilot Certificate Airplane Single Engine Land, December 2004.
- 10. Elected Chairman of the Board, Plastics Center of Excellence, June 2004.
- 11. Elected to the Board of Directors, Plastics Center of Excellence, June 2001.
- 12. Voted "Honored Service Member," Society of Plastics Engineers, 1998.
- 13. Certified Plastics Technologist, 1997.
- 14. Developed and designed Polymer Place, an exhibit of manufacturing technology, Discovery Place, Charlotte, 1998.
- 15. 1987 1998, Board member, President, and International Councilor, Carolinas Section of the Society of Plastics Engineers.
- Elected to the Advisory Board of North Carolina A&T State University's Department of Manufacturing Systems 1992.
- 17. Elected Organizer, "Extrusion Regional Conference," Carolinas Section, Society of Plastics Engineers, September 1992.
- 18. Elected President, Carolinas Section of the SPE 1991.
- 19. Awarded Smithsonian Summer Scholarship 1980.
- 20. Awarded "Algorithms, Best Essay Award," 1974.

PRESENTATIONS—Trade Associations

- 1. "The Future Evolution of Technology, Thermoplastics Concentrates, Coral Springs, FL, February 2020.
- 2. "Pellet formation Theory and Practice," Leistritz Seminar on Extrusion, December 2014.
- "A Natural History of the Pelletizer," Thermoplastics Concentrates, Coral Springs, FL. January 2014.
- 4. "From Melt to Pellet," Thermoplastics Concentrates, Coral Springs, FL, February 2013."
- 5. "Pelletization of Bioplastics," Bioplastics Conference, Miami, FL, April 2012.
- 6. "Pellet Formation in Hot Face Systems," Thermoplastics Concentrates, Coral Springs, FL, February 2012.
- "Dealing with Closed-Loop Water Systems," Thermoplastics Concentrates Conference, Phoenix, AZ, February 2011.
- 8. "High Pressure Pelletization," Thermoplastics Concentrates Conference, Phoenix, AZ, February 2010.
- 9. "Advances in Hot Face Pelletizers," Thermoplastics Concentrates Conference, Phoenix, AZ, February 2009.
- 10. "Die Design Considerations," Thermoplastics Concentrates Conference, Phoenix, AZ, February 2007.
- 11. "Die and Torque Considerations," Leistritz Seminar, Somerset, NJ, June 2005.
- 12. "Pelletizing Options," Thermoplastic Concentrates Conference, New Orleans, LA, January 2004.
- 13. Troubleshooting Pelletizing Seminar, Polymers Center of Excellence, Charlotte, NC, May 2003.
- 14. Coperion Extrusion Seminar, Greenville, SC, June 2001.
- 15. Leistritz Extrusion Seminar, Somerset, NJ, 1997, 1998.
- 16. Pelletizing for Recycling, Clemson University Seminar, 1995, 1996, and 1997.
- 17. "Evolution of Technology" NC A&T State University, 1994.
- "Science Museums and The Plastics Industry, Mutual Potentials," Thermoset Regional Technical Conference, Raleigh, NC, 1993.
- 19. "History of the Virginia-Carolinas Section of the SPE," Special publication of the Carolinas Section, SPE, November 1992.