

Resume'

Theodore W. Michelsen

Education: BS Chemistry 1967, Rensselaer Polytechnic Institute, Troy, N.Y.

Ph.D. Inorganic Chemistry 1971, Rensselaer Polytechnic Institute

Work Experience: 2002 – President Michelsen Technologies, LLC

1997- 2001 Executive Director, Roofing Industry Educational Institute

1970 – 1996 Johns Manville Corporation

- Director Technology Assessment
- Senior Director Corporate R&D,
- Vice President and Director Research and Engineering Services Manville Roofing Systems Division.
- Manager of Marketing Engineering Services Manville Roofing Systems Division,
 - Responsibility for Roof Insulation Marketing
 - Responsibility for Built-up Roofing Marketing
- Research Manager Fiber Glass Industrial Products and Binders and Adhesives.
- Project Manager High Temperature Insulations Products,
- Senior Research Chemist, roofing and fiber glass mat.
- Research Chemist gypsum board, perlite, acoustical products and roofing.

Industry Activities: Presented a Paper at the Johnson Space Center on Applications of Quartz Fibers for Non Space Applications (1983)

Presenter for RIEI, BURSI, RCI, NRCA and SPRITech educational programs

Chairman BUR Committee of ARMA (1986-88)

Member RSTC (Joint ARMA-NRCA Technical Committee)

Editorial Board of the International Journal of Roofing Technology

Chairman Roof Insulation Committee of SPRI (1990)

Member Ad-hoc Committee on 15/32" Plywood and Non-Veneered Sheathing

Editorial Board of Research - Technology Management (1993-96)

Chairman Education & Outreach Committee of Cool Roof Rating Council (CRRC) (1998 – 2001)

Member ASTM Committee D-08 Roofing

Served on numerous ANSI-SPRI Standard Committees

Served on CRRC Standard Committees

Publications

R.A. Bailey, T.W. Michelsen and A.A Nobile, "Zirconium(IV) and Hafnium(IV) Hexaisothiocyanates", *J. Inorg. nucl. Chem.*, **32**, pp. 22427-22428 (1970)

R.A. Bailey, S.L. Kozak, T.W. Michelsen and W.N. Mills, "Infrared Spectra of Complexes of the Thiocyanate and Related Ions", *Coord. Chem. Rev.*, **6**, pp407-445 (1971)

R.A. Bailey, T.W. Michelsen and W.N. Mills, "Observations on the I.R. Intensity Criterion for the bonding Mode in Thiocyanate Complexes", *J. Inorg. Nucl. Chem.*, **33**, pp. 3206-3210 (1971)

R.A. Bailey and T.W. Michelsen, "Infrared Spectra of Mixed Metal Thiocyanate Complexes", *J. Inorg. Nucl. Chem.*, **34**, pp. 2671-2673 (1972)

R.A. Bailey and T.W. Michelsen, "Complex Chromium and Uranyl Isothiocyanate", *J. Inorg. Nucl. Chem.*, **34**, pp. 2935-2937 (1972)

Editorial for The International Journal of Roofing Technology, "Roofing Research, an Oxymoron?"

Theodore W. Michelsen, "Building Materials Survey", *Kirk-Othmer Encyclopedia of Chemical Technology 4th Ed.*, 1992, pp. 605-628

T.W. Michelsen, "Understanding Factory Mutual Roof Component Attachment Requirements", Summer 1997 RIEI Information Letter & Contractor's Guide

T.W. Michelsen, "Reflective Roofing and the Urban Heat Island", *RSI*, 1998

T.W. Michelsen, "Understanding Roofing Systems – the Roofing Source File", *American School & University*, October, 1998

T.W. Michelsen, "The Importance of Inspections", *Professional Roofing*, **31 #9**, pp. 22-24.

T.W. Michelsen "Drain Sizing", *The RoofSmart Report*, **1 #3**, p1-4

T.W. Michelsen, "Understanding 'Cool' Roofs", *RSI*, **79 #9**, pp. 17-22.

T.W. Michelsen, "Air Conditioner Condensate: The Silent Destroyer", *RSI*, **80 #9**, pp. 28-32.

T.W. Michelsen, "The Importance of Attic Ventilation", *RSI*, **82 #3**, Roofing Solutions, pp 22-23

T.W. Michelsen, "Self-adhering Single Plies: An Emerging Technology", *Professional Roofing*, **37 #10**, pp 33-35

Theodore W. Michelsen, "Building Materials Survey", *Kirk-Othmer Encyclopedia of Chemical Technology 5th Ed.* 2011

Theodore W. Michelsen, "Roofing Materials", *Kirk-Othmer Encyclopedia of Chemical Technology 5th Ed.*, 2011

3 Patents