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PROFESSIONAL EXPERIENCE

NOVOLEX LLC (Apollo Global Management), Hartsville, SC 2022 to present

\$4.6B North American manufacturer of plastic and paper packaging. Acquired by Apollo in June 2022.

Member of the Board of Directors (June 2022 to present)

PACTIV EVERGREEN (PTVE, Nasdaq), Lake Forest, IL 2019 to 2022

\$6.3B North American producer of plastic and paper packaging. Formerly part of Reynolds Group Holdings. Majority owned by Graeme Hart.

Chairman of the Board of Directors (Oct 2019 to June 2022)

LUMILEDS (Apollo Global Management), San Jose, CA 2019 to 2022

\$1.5B Global producer of lighting products and light emitting diodes. Formerly part of Philips. Acquired by Apollo Global management in July 2017.

Chairman of the Board of Directors (Jan 2019 to Oct 2022)

CEO (February 2019 to September 2021)

BERRY GLOBAL CORPORATION (BERY, NYSE), Evansville, IL 2010 to 2018

Global \$7.5 plastic packaging and materials company with over twenty-six thousand employees and 135 plant sites.

Executive Chairman of the Board of Directors (February 2017 to February 2018)

CEO and Chairman of the Board of Directors (October 2010 to February 2017)

Company manufactures plastic packaging and materials for food, medical, personal care, and industrial applications. Former portfolio company of Apollo Global Management. Led the company through successful IPO on NYSE, October 2012.

MOMENTIVE PERFORMANCE MATERIALS (Apollo Global Management) Albany, NY 2007 to 2010

Global \$2.5 billion chemical materials company in the silicones, quartz and ceramics fields. Former silicones and quartz business of General Electric. Acquired by Apollo Global Management in December 2006.

President, CEO and member of the Board of Directors (CEO 6/2007 to 10/2010)

GOODYEAR TIRE AND RUBBER CO. (GT, NYSE), Akron, OH 2000 to 2007

One of the world's largest tire companies with annual sales of \$20 billion, 20% global market share, manufacturing facilities in 28 countries, and sales operations in most countries worldwide.

President, NA Tire and Chairman of the Board Goodyear Dunlop Tires NA (2003 to 2007)

President, Goodyear Chemical (2001 to 2002)

Director of Chemical R&D (2000 to 2001)

GENERAL ELECTRIC CO. (GE, NYSE), Fairfield, CT **1982 to 2000**

\$163 billion global provider of products and services ranging from engines to power generation, financial services to plastics, and medical imaging to news and information.

Technical Director GE Bayer Silicones GmbH & Co. KG, Leverkusen, Germany (1998 to 2000)

GENERAL ELECTRIC CO. (GE, NYSE), Fairfield, CT **1982 to 2000**

Manager Operational Excellence GE Silicones, Waterford, NY (1996 to 1998)

GE Corporate Research and Development, Schenectady, NY (1982 to 1996)

EDUCATION

Visiting Lecturer Cornell University, Johnson/Dyson School of Business 2017 - present

Hon. DSc., Iowa State University, Ames, IA 2010

PhD, Chemistry, University of Wisconsin, Madison, WI, 1982

Advisor: Professor Robert C. West, Eugene G. Rochow Chaired Professor

BS, Chemistry, Iowa State University, Ames, IA, 1977

Advisor: Professor Thomas J. Barton, Director Ames Laboratory US DOE, President American Chemical Society 2014

PUBLICATIONS

Fourteen refereed journal articles/book chapters

Twenty-seven issued United States Patents

Fourteen technical symposia with published abstracts

OTHER PROFESSIONAL POSITIONS

Advisor, Praxis Center for Venture Development Cornell University (2023 – present)

Member of the Board of Directors, Intromune LLC (2022 – present)

Advisor, OWiC LLC Ithaca NY (2022 – present)

Member Red Bear Angels investment organization. Personal investments in 7 Cornell Start Ups (2017 – present)

Member of the Board of Directors, PLZ Aeroscience, a portfolio company of Pritzker group (2017 - 2020)

Member of the Board of Directors, Hexion LLC, a portfolio company of Apollo Global Management (2010 – 2018)

Member, Evansville IN Regional Business Development Committee (2011 – 2017)

Member of the Board of Directors, Momentive LLC (2007 – 2014)

Member of the Board of Directors, Fountain Tire, Edmonton, Alberta, Canada (2003 – 2007)

Member of the Board of Directors, Tire and Wheel Assemblies Inc. Louisville, KY (2003 – 2007)

Member, Board of Directors, Rubber Manufacturers Association (2003-2007)

Member, American Chemical Society (1975-present)

Member, Industrial Advisory Board of the Institute for Physical Research and Technology at Iowa State University (2002-2008).

Director, International Institute of Synthetic Rubber Producers (2001-2003)

Elected member, Board of Trustees, Bonn International School, Bonn Germany (1998-2000)

Publications List

1. Rich JD, Drahnak TJ, West R, Michl J. Reversible di-pi-methane rearrangements of bicyclic organo-silicon compounds. *Journal of Organometallic Chemistry*. 1981;212:C1-C3.
2. Evidence for the intermediacy of hexamethyl-1,4-disilabenzene, Rich J.D. and West R.J., *J. Am. Chem. Soc.*, 1982, 104 (24), pp 6884–6886
3. Rich JD, West R. Electron-spin resonance studies of 1,4-disilacyclohexa-2,5-diene free-radical reactions. *Journal of the American Chemical Society*, 1983;105:5211-5215.
4. Conformational studies and crystal structures of cis- and trans-1,4-bis(trimethylsilyl)hexamethyl-1,4-disilacyclohexa-2,5-diene, Rich, J.D., Shafiee, F, Haller K.J, and West, R.J., *Journal of Organometallic Chemistry*, 264(s 1–2):61–78
5. The generation of hexamethyl-1,4-disilabenzene and its novel thermal chemistry, Welsh K.M., Rich, J.D. and West R.J., *Journal of Organometallic Chemistry*, Volume 325, Issues 1–2, 12 May 1987, Pages 105-115
6. Silylative decarbonylation: a new route to arylsilanes, Rich, J.D, *J. Am. Chem. Soc.*, 1989, 111 (15), pp 5886–5893
7. Silylative decarbonylation. 2. Catalysis and conversion to heterogeneous conditions, Rich J.D., *Organometallics*, 1989, 8 (11), pp 2609–2615
8. Silylative decarbonylation. 3. Transfer selectivity and substituent rate effects, Rich J.D. and Krafft, T.E. *Organometallics*, 1990, 9 (7), pp 2040–2045
9. Palladium-catalyzed reductive coupling of aromatic acid chlorides with disilanes, Krafft, T.E., Rich, J.D., and McDermott, P.J., *J. Org. Chem.*, 1990, 55 (20), pp 5430–5432
10. Silicone polycarbonates from new aryl-terminated siloxane precursors, McDermott P.J., Krafft T.E. and Rich, J.D., *Journal of Polymer Science Part A: Polymer Chemistry*, Volume 29, Issue 12, pp. 1681-1689
11. Synthesis of Silicon Containing Benzaldehydes and Conversion to Schiff's Bases, Rich J.D. and Burnell T.B., *Synthetic Communications*, vol 20, issue 7, 1990, pp. 1033-1037
12. The chemistry of the Si-H bond with acid treated clays, Lewis, L.N., Johnson, D.S. and Rich, J.D., *Journal of Organometallic Chemistry*, Volume 448, Issues 1–2, 20 April 1993, Pages 15-18
13. Powdered MQ Resin–Platinum Complexes and Their Use as Silicone-Soluble Hydrosilylation Cure Catalysts, Lewis, L.N., Wengrovius, J.H., Burnell, T.B., and Rich, J.D. *Chem. Mater.*, 1997, 9 (3), pp 761–765
14. “Silicon Compounds, Silicones” Rich, J.D., Cella J., Lewis, L.N., Stein, J., Singh, N., Rubinsztajn, S., and Wengrovius, J. Kirk-Othmer Encyclopedia of Chemical Technology vol. 6, pp. 82-142, 2006

Invention Patents

1. U.S. 4,563,514 Curable polysilarylene-polysiloxane copolymer. Inventors: Liu; Wan-Li, Rich; Jonathan D. Assignee: General Electric, Issued: January 7, 1986
2. U.S. 4,604,442 Organopolysiloxane-polyamide block polymers and method for making. . Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: August 5, 1986
3. U.S. 4,604,477 Method for making silylaroylhalides and reaction products. Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: August 5, 1986
4. U.S. 4,668,754 Silicone-polyamide block polymers, lactam terminated organosiloxane and method for making. Inventors: Policastro; Peter P., Rich; Jonathan D. Assignee: General Electric, Issued: May 26, 1987
5. U.S. 4,678,610 Siliconarylozides and siliconarylisocyanates. Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: July 7, 1987
6. U.S. 4,709,054 Silylation method and organic silanes made therefrom. Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: November 24, 1987
7. U.S. 4,730,055 Method for silylating aromatic imides and silylimides made therefrom. Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: March 8, 1988
8. U.S. 4,780,501 Imidopolysiloxanes and method for making. Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: October 25, 1988
9. U.S. 4,794,153 Polyanhydride-siloxanes and polyimide-siloxanes obtained therefrom. Inventor: Rich; Jonathan D. Assignee: General Electric, Issued: December 27, 1988
10. U.S. 4,795,680 Polyimide-siloxanes, method of making and use. Inventors: Rich; Jonathan D., Policastro; Peter P., Hernandez; Pamela K. Assignee: General Electric, Issued: January 3, 1989
11. U.S. 4,810,728 High strength silicone foam, and methods for making. Inventors: Gross; David C., Haig; Connie L., Rich; Jonathan D. Assignee: General Electric, Issued: March 7, 1989
12. U.S. 4,826,916 Silicone polymides, and method for making. Inventors: Policastro; Peter P., Hernandez; Pamela K., Rich; Jonathan D. Assignee: General Electric, Issued: May 2, 1989
13. U.S. 4,916,194 Flame retardant aromatic polycarbonate blends. Inventors: Policastro; Peter P., Hernandez; Pamela K., Davis; Gary C., Rich; Jonathan D. Assignee: General Electric, Issued: April 10, 1990
14. U.S. 4,918,197 Silylation method. Inventors: Rich; Jonathan D., Krafft; Terry E., McDermott; Philip J. Assignee: General Electric, Issued: April 17, 1990
16. U.S. 4,943,596 High strength silicone foam, and methods for making. Inventors: Gross; David C., Haig; Connie L., Rich; Jonathan D. Assignee: General Electric, Issued: July 24, 1990
17. U.S. 4,945,147 Aromatic polyester-siloxane block copolymers and method for making. Inventors: Policastro; Peter P., Hernandez; Pamela K., Swint; Sandra A., Davis; Gary C., Rich; Jonathan D., McDermott; Philip J., Guggenheim; Thomas L. Assignee: General Electric, Issued: July 31, 1990

Invention Patents continued

18. U.S. 4,945,148 Silicone-polycarbonate block copolymers. Inventors: Rich; Jonathan D., McDermott; Philip J., Davis; Gary C., Policastro; Peter P., Regh; Karen A., Hernandez; Pamela K., Guggenheim; Thomas L. Assignee: General Electric, Issued: July 31, 1990
19. U.S. 4,950,727 Spiro(bis)indane polyamide and polyimide copolysiloxanes and method of preparation. Inventors: Guggenheim; Thomas L., Cella; James A., McCormick; Sharon J., Colley; Alice M., Rich; Jonathan D., McDermott; Philip J. Assignee: General Electric, Issued: August 21, 1990
20. U.S. 4,952,708 Method for preparing biaryl compounds. Inventors: Rich; Jonathan D., Krafft; Terry E., McDermott; Philip J., Chang; Tony C. Assignee: General Electric, Issued: August 28, 1990
21. U.S. 4,959,407 RTV silicones having bis(ureido)silane chain extenders and aminoxy siloxane crosslinkers. Inventors: Rich; Jonathan D., Gross; David C., Burnell; Timothy B., Wengrovius; Jeffrey H. Assignee: General Electric, Issued: September 25, 1990
22. U.S. 4,980,453 Macrocyclic oligomers containing spiro(bis)indane moieties. Inventors: Brunelle; Daniel J., Guggenheim; Thomas L., Cella; James A., Evans; Thomas L., Fontana; Luca P., Falter; Gary R., Fukuyama; James M., Boden; Eugene P., Rich; Jonathan D., Shannon; Thomas G., McCormick; Sharon J., McDermott; Philip J., Colley; Alice M., Guiles; Joseph W. Assignee: General Electric, Issued: December 25, 1990
23. U.S. 5,034,489 Silicone copolymers having tetraorganodisilyloxy groups and intermediates thereof. Inventors: Wengrovius; Jeffrey H., Van Valkenburgh; Virginia M., Rich; Jonathan D., Schroeter, Siegfried H. Assignee: General Electric, Issued: July 23, 1991
24. U.S. 5,124,468 Method for silylformylating alkynes and products obtained therefrom. Inventors: Krafft; Terry E., Rich; Jonathan D., Burnell; Timothy B. Assignee: General Electric, Issued: June 23, 1992
25. U.S. 5,243,009 Hydroxyarylestere siloxanes. Inventors: Rich; Jonathan D., McDermott; Philip J., Davis; Gary C., Policastro; Peter P., Regh; Karen A., Hernandez; Pamela K., Guggenheim; Thomas L. Assignee: General Electric, Issued: September 7, 1993
26. U.S. 5,410,007 Particulated platinum group metal containing silicone resin catalyst, method for making, and use. Inventors: Lewis; Larry N., Wengrovius; Jeffrey H., Burnell; Timothy B., Rich; Jonathan D. Assignee: General Electric, Issued: April 25, 1995
27. U.S. 7,102,043 Process for synthesizing diisopropylbenzene. Inventors: Bennett; Ronald Quentin, Goodwin; Jeffrey Alan, Rich; Jonathan D. Assignee: The Goodyear Tire & Rubber Company, Issued: September 5, 2006