Appendix A5. Articles and Reports by LaRoux

- 1. "The Engineer: Citizen and Inventor," *Kansas Engineer*, Vol. XLIX, No. 3, March, 1965, pp. 18-20.
- 2. "Industrial Applications of Analog Computers," *Kansas Engineer*, Vol. XLIX, No. 4, May, 1965, pp. 18-20.
- 3. "A Graduate's View of Beta," Kansas Engineer, Vol. LI, No. 1, November, 1966, pp. 36-38.
- 4. "A Year with Student Chapter 1000," (a condensation of a speech made in Cincinnati, November, 1967), *ASTME Student Quarterly*, Vol. 3, No. 1, Spring, 1968, pp. 28-29.
- 5. "Pointing Your Young Engineers Toward Professionalism," *Professional Engineer*, November, 1969, pp. 14-17.
- 6. "Young Engineer Panelist at Portland Meeting Outlines Program for NSPE Younger Members," *Professional Engineer*, September, 1970, pp. 61-62.
- 7. "The Engineering Student in Civic, Society, and Health Problems," *Missouri Engineer*, February, 1971, pp. 5-9 (excerpts from a paper of similar title prepared for ASEE December, 1970).

Summary in: "Professional Engineer: Situation Report," *Professional Engineer*, May, 1971, p. 66.

- 8. <u>Student Chapter Dynamics.</u> (a compilation of working observations for student chapter management), published by the SME Region V, June, 1971, 52 pp.
- 9. <u>Drilling Printed Circuits</u> (final report)., prepared for the Bendix Corporation (Kansas City Division) under Process Development # EP 6984221, Report No. BDX-613-279, January, 1972,
- 10. "Demand for Engineering Technicians and Technologists in the Metropolitan Kansas City Area: 1970-1980," Proceedings of the Technical Manpower Outlook Conference and Study, October 15, 1971, (published by the Kansas City Chapters of Society of Manufacturing Engineers, Missouri Society of Professional Engineers, et. al.).
- 11. <u>Proceedings of the Technical Manpower Outlook Conference and Study,</u> October 15, 1971, published by the Kansas City Chapters of Society of Manufacturing Engineers, Missouri Society of Professional Engineers, et. al. (editor).
- 12. <u>Machining Miniature Slots and Fillets</u>, Final Report, Bendix Corporation Kansas City Division) Report No. BDX-613-576, January, 1972, 68 pp.
- 13. <u>Bibliography: Machining Miniature Parts and Miniature Features</u>, Report prepared for the Bendix Corporation (Kansas City Division) with the assistance of Ronald L. Dougherty, Report No. BDX-613-585, December, 1971, 29 pp.

- 14. <u>Deburring A Bibliography</u>, Topical Report prepared for the Bendix Corporation (Kansas City Division), Report No. BDX-613-593, December, 1971, 32 pp.
- 15. "Young Engineers," *The Missouri Western Engineer*, Vol. 19, No. 4, December, 1971, pp. 3, 8, 9; No. 6, February, 1972, pp. 6-8.
- 16. "Drilling Printed Circuit Boards." <u>Mechanical Products Quarterly</u>, Bendix Corporation (Kansas City Division, Report No. BDX-613-603, February, 1972, 134 pp.
- 17. "Demand for Technical Personnel in Kansas City: A Case Study," *Engineering Education*, Vol. 62, No. 8, May, 1972, pp. 896-897.
- 18. "Vibratory Deburring", <u>Bendix Technical Quarterly: Mechanical Products Engineering</u>, Bendix Corporation, Kansas City Division, Report No. BDX-613-756, August 1972, pp 21-75.
- 19. <u>The Formation and Properties of Machining Burrs</u>, Master of Science Thesis, Manufacturing Engineering Department, Utah State University, Logan, Utah, 1973.
- 20. <u>The Young Engineer: An Annotated Bibliography</u>, Society of Manufacturing Engineers, February, 1973, 81 pp.
- 21. "Extrude Hone Deburring," <u>Mechanical Technical Quarterly: Mechanical Products</u> <u>Engineering</u>, Bendix Corporation (Kansas City Division), report No. BDX-613-891, May, 1973, pp. 21-51 (Larry H. Luebbert, coauthor).
- 22. <u>Vibratory Deburring</u> (final report) prepared for the Bendix Corporation (Kansas City Division) under Process Development #EP 6984390, report No. BDX-613-735, August, 1973, 117 pages.
- 23. <u>Extrude Hone Deburring</u>, Bendix Corporation (Kansas City Division) report No. BDX-613-948, August, 1973, Larry H. Luebbert, co-author).
- 24. Profile Milling, Bendix Corporation (Kansas City Division) Report BDX-613- March, 1974.
- 25. <u>Brush Deburring of Miniature Parts</u>, Bendix Corporation (Kansas City Division) Report BDX-613-1056, March, 1974.
- 26. <u>The Effects of Reaming Variables on Burr Properties</u>, Bendix Corporation Kansas City Division Report No. BDX-613-1083, March, 1974.

<u>Properties of Burrs Produced by Ball Broaching</u>, Bendix Corporation (Kansas City Division) Report No. BDX-613-1084, March, 1974.

- 28. "The Effect of Cutting Edge Radius on Poisson Burr Properties" SME Paper MR74-990, 1974.
- 29. "State of the Art of General Deburring Methods," SME Paper MR74-116, 1974 (Nad Ajlouny, co-author); similar in <u>General Deburring Methods and Techniques</u>, Bendix Research Labs (Southfield, Michigan) Report BRL/TR-74-7061, March, 1974. Same in <u>Deburring Capabilities and Limitations</u>, SME, 1977 and in *Manufacturing Engineering Transactions*, Volume 4, 1975/1976.

- 30. "The Measurement of Burrs," SME Paper MR74-993, 1974; similar in <u>Bendix Technical Quarterly: Mechanical Products Engineering</u>, Bendix Corporation (Kansas City Division), Report BDX-613-1141, June, 1974, pp. 35-54.
- 31. "The Burr Manufacturing's Perennial Thorn," SME Paper MR74-992, 1974; similar in Bendix Technical Quarterly: Mechanical Products Engineering, Bendix Corporation (Kansas City Division), Report BDX-613-1141, June, 1974, pp. 55-78; similar in "Deburring Requirements: A Closer Look," *Navmiro Manufacturing Technology Bulletin*. (Naval Material Industrial Resources Office Philadelphia), No. 56, August, 1974.
- 32. <u>Deburring: An Annotated Bibliography</u>, Society of Manufacturing Engineers, June, 1974.
- 33. "Brush Deburring for Precision Miniature Parts," SME Paper MR74-994, 1974.
- 34. "Towards a Rational Approach to Deburring," SME Paper MR74-996, 1974. (Japanese translation in *Tool Engineer*, Vol. 19, No. 11, 1975, pp. 97-104).
- 35. <u>The Burrs Produced by Drilling</u>, Bendix Corporation (Kansas City Division), Report BDX-613-1248, December, 1975.
- 36. <u>The Burrs Produced by Side Milling Cutters</u>, Bendix Corporation (Kansas City Division) Report BDX-613-1303, August, 1975.
- 37. <u>The Effect of Edge Angle on the Radius Produced by Vibratory Finishing,</u> Bendix Corporation (Kansas City Division), Report BDX-613-1279, February, 1975.
- 38. "Effects of Measurement Technique and Experimental Design in the Analysis of Burrs," SME Paper MR75-985, 1975.
- 39. "An Overview of International Activities in Burr Prevention and Removal," SME Paper MR75-02, 1975.
- 40. "The Formation and Properties of Burrs," SME Paper MRR75-03, 1975.
- 41. "Deburring: An Annotated Bibliography, Volume II," Society of Manufacturing Engineers, April, 1975, Paper MRR75-04.
- 42. <u>Skiving</u>, Bendix Kansas City Division, Report BDX-613-1429, September, 1975 (Same in <u>Bendix Technical Quarterly: Mechanical Products Engineering</u>, Bendix Corporation Report BDX-613-1432, September, 1975)
- 43. "Recent Trends in Burr Technology," SME Paper MR75-833, September, 1975.
- 44. "Capabilities of Some Little Known Deburring Processes," SME Paper MRR 75-841, September 1975.
- 45. "A Quantitative Approach to Vibratory Deburring Effectiveness," SME Paper MRR 75-11, September 1975.

- 46. <u>Hand Deburring Precision Miniature Parts</u>, Bendix Kansas City Division, Report BDX-613-1443, October, 1975; same published by SME as paper number MRR77-08, 1977.
- 47. "Deburring Influences on Plating Adhesion," *Finishing Highlights*, September/October, 1975, pp. 26-27 (F. Clay, Co-author)
- 48. "The Formation and Properties of Machining Burrs," ASME Paper Number 75-PROD-J, 1975 (P. T. Blotter, co-author); also *Journal of Engineering For Industry (ASME Transactions, Series B)*, February 1976, pp. 66-74.
- 49. <u>Economic Optimization Techniques Applicable to Precision Miniature Machining</u>, Bendix Kansas City Division, Report BDX-613-1512, December, 1975.
- 50. <u>The Burrs Produced by Grinding</u>, Bendix Kansas City Division, Report BDX-613-1572, February, 1975.
- 51. <u>Fixturing and Handling of Precision Miniature Parts,</u> Bendix Kansas City Division, Report BDX-613-1482, February, 1976.
- 52. <u>Extrude Hone Deburring With X-Base Media</u>, Bendix Kansas City Division, Report BDX-613-1546, March 1976.
- 53. <u>The Effects of Drilling Variables on Burr Properties,</u> Bendix Kansas City Division, Report BDX-613-1502, March, 1976.
- 54. <u>The Burrs Produced by End Milling</u>, Bendix Kansas City Division, Report BDX-613-1503, April 1976.
- 55. "Machinability as Related to Precision Miniature Parts," SME Paper MRR76-09, 1976.
- 56. <u>Deburring by Centrifugal Barrel</u>, Bendix Corporation (Kansas City Division) Report BDX-613-1559, June, 1976. Same report published as SME Paper MR77-12.
- 57. "Deburring: An Annotated Bibliography, Vol. III," SME Paper MRR76-07, 1976.
- 58. <u>Economic Trade-Offs in Deburring</u>, Bendix Kansas City Division, Report BDX-613-1620, July, 1976; same published as SME Paper MRR76-17, 1976.
- 59. <u>Deburring Capabilities for Precision Miniature Parts</u>, Bendix Kansas City Division, Report BDX-613-1604, July, 1976; same published as SME Paper MRR76-16, 1976.
- 60. "What is Actual Cost of a Burr I," *Abrasive Methods*, May/June, 1976, pp. 4-7; "What is Actual Cost of a Burr II," *Abrasive Technology*, July/August, 1976, pp. 4-6; same less references published as "Burrs: How to Estimate Your Deburring Costs," *Machine and Tool Blue Book*, Aug., 1977, pp. 62-68.
- 61. "Improved Predictions of Burr Properties," SME Paper MRR76-10, 1976, (P. T. Blotter, coauthor).
- 62. "The Effect of Product Geometry on Burr Size," SME Paper MR76-835, 1976.

- 63. <u>Precision Deburring of Miniature Parts,</u> Bendix Kansas City Division, Report BDX-613-1697, November, 1976.
- 64. "Annihilating the Burr," SME Paper MRR76-14, 1976.
- 65. <u>A Guide to Deburring, Deflashing, and Trimming Equipment, Supplies and Services, SME</u> Bibliography Series Report, 1976.
- 66. "Estimating the Size of Cutoff Projections," SME paper MRR77-01, 1977.
- 67. <u>Machinability of Metals as Related to Precision Miniature Parts</u>, Bendix, Kansas City Division, Report BDX-613-1723, February 1977; Same in *Bendix Technical Quarterly:Mechanical Products Engineering*, Bendix Kansas City Report BDX-613-1772, March, 1977.
- 68. "Control of Plantwide Deburring Costs," SME paper MRR77-05, March, 1977.
- 69. "Size Effects in Centrifugal Barrel Finishing", SME paper MRR77-07, 1977 (C. E. Roebuck, Co-author).
- 70. "Deburring Case Histories," SME paper MRR77-06, March 1977 (Arnold J. Monteiro, Coauthor).
- 71. "Deburring: An Annotated Bibliography, Vol. IV," SME paper MRR77-04, March 1977.
- 72. <u>The Burrs Produced by Turning</u>, Bendix Corporation (Kansas City Division) report BDX-613-1748, 1976.
- 73. <u>Drilling Miniature Holes, Part I</u>, Bendix, Kansas City Division Report, BDX-613-1785, April, 1977. Same in *Bendix Technical Quarterly: Mechanical Products Engineering*, Bendix Kansas City Report BDX-613-1821, June, 1977.
- 74. <u>Drilling Miniature Holes, Part II</u>, Bendix, Kansas City Division Report, BDX-613-1786, April, 1977. Same in *Bendix Technical Quarterly: Mechanical Products Engineering*, Bendix Kansas City Report BDX-613-1821, June, 1977.
- 75. <u>Drilling Miniature Holes, Part III</u>, Bendix, Kansas City Division Report, BDX-613-1787, April, 1977; same in Bendix Technical Quarterly: Mechanical Products Engineering Bendix Kansas City Report BDX-613-1681, September, 1977.
- 76. <u>Effects of Deburring Contaminants on Electroplating Adhesion</u>, Bendix, Kansas City Division Report, BDX-613-1757, April, 1977.
- 77. "An Extension of Proposed Definitions for Burrs and Related Edge Conditions," SME Paper MRR77-09, 1977.
- 78. "The Burr: A 1977 Report on the Technology of Reducing Its Cost," SME Paper MRR77-11, 1977.
- 79. "Needed Research on Burrs, Deburring, and Edge Finishing," SME paper MRR77-14.
- 80. "Side Effects of Deburring Processes," SME Paper MRR77-17, 1977.

- 81. <u>Electrochemical Machining Deep Through Holes in 304 Stainless Steel</u>, Bendix Kansas City Division Report BDX-613-1948, January, 1978.
- 82. "Canada's \$100-Million Thorn", *Canadian Machinery and Metalworking*, November, 1977, pp. 30-32, 70.
- 83. "Two Keys to Minimizing Burr Costs: Predicting Burr Size and Effective Standards," *Machine and Tool Blue Book*, March, 1978, pp. 116-129.
- 84. "How to Analyze Vibratory Deburring Costs," *Machine and Tool Blue Book*, May, 1978, pp. 108-114.
- 85. "Mechanized Deburring Machines There's One for Every Need", *Machine and Tool Blue Book*, June, 1978, pp. 106-113.
- 86. "Hand Deburring: A Necessity That Can Be Improved", SME paper MRR78-03, 1978 (R. W. Johannesen and Jack L. McMillen, co-authors).
- 87. "Observations on Implementing Group Technology for Precision Miniature Parts", SME paper MRR78-05, 1978.
- 88. <u>Hobbing Ratchet Wheels for Miniature Mechanisms</u>, Bendix Kansas City Report BDX-613-1927 (Rev.), December, 1978. (R.B. Wetherill co-author).
- 89. "Barrel Tumbling: Is It Still Economical?" *Machine and Tool Blue Book*, September, 1978, pp. 126-135.
- 90. Hand Deburring Guide, Bendix Kansas City Report BDX-613-2089, September, 1978.
- 91. <u>Tools Used for Hand Deburring,</u> Bendix Kansas City Report BDX-613-2111, October, 1978.
- 92. "Hand Deburring: A Plague or the Most Economical Way?" *Machine and Tool Blue Book*, November 1978, pp.102-113.
- 93. "Deburring: An Annotated Bibliography, Volume V", SME paper MRR78-10, 1978.
- 94. "Deburring In Hard-To-Reach Areas A Headache? Try ECD, <u>"</u>Machine and Tool Blue Book, January 1979, pp.90-104.
- 95. "Give Your Deburring Problems the Brushoff," *Machine and Tool Blue Book*, April 1979, pp.107-117.
- 96. "Training for the Deburring of Precision Miniature Parts," SME paper MR79-501, 1979 (J. C. Bolinger, co-author).
- 97. <u>Training Course Description for Deburring</u>, Bendix K.C. Report BDX-613-2203, April 1979 (F. E. Dulin co-author).

- 98. <u>Fabrication for Precision Mechanisms</u>, Bendix Kansas City Report BDX-613-2197, July, 1979; Same in *Bendix Technical Quarterly:Mechanical Engineering*, Bendix Kansas City Report BDX-613-2242, June, 1979.
- 99. "Preventing Media-Lodging Problems," American Machinist, October, 1979, pp. 89-91.
- 100. "Deburring Precision Miniature Parts," *Precision Engineering*. Vol. 1, No. 4, October, 1979, pp. 189-198.
- 101. <u>The Young Engineer: An Annotated Bibliography 1890-1978</u>, ECPD Report EC47, 1979 (Available from ECPD/ABET (Accrediting Board for Engineering and Technology)
- 102. <u>A Training Manual for Precision Hand</u> <u>Deburring, Part I</u>, Bendix Kansas City Report BDX-613-2245, November, 1979.
- 103. "Deburring: An Annotated Bibliography: Volume VI," SME Paper MRR79-05, 1979.
- 104. "An Overview of Drilling Approaches for Holes Smaller Than 1 mm", SME Paper MRR79-06, 1979.
- 105. "The Use of Pseudo-Burrs in Deburring Studies", SME Paper MR79-980, 1979.
- 106. <u>Precision Deburring Using N/C and Robot Equipment</u>, Bendix Kansas City Report BDX-613-2431, February, 1980.
- 107. <u>Analysis of Coincident Coordinate Measurement (CoCoM) in Production Applications</u>, Bendix Kansas City Report BID-A029, February 1980.
- 108. Summary of "Third International Deburring and Surface Conditioning Conference," *Precision Engineering*, April 1980, p. 116.
- 109. "Microdrilled Holes: Production Capabilities and Approaches," *Machine and Tool Blue Book*, June, 1980, pp. 88-98.
- 110. "Metal Finishing Processes: Deburring," MAPEC Teaching Module, Purdue University, June, 1979.
- 111. "Design and Application Characteristics of Miniature Drills," *Machine and Tool Blue Book*, September, 1980, pp. 110-120.
- 112. <u>Deburring: Technical Capabilities and Cost Effective Approaches</u>, SME Certification Course, August, 1980; also published as Bendix Kansas City Reports Lessons 1 and 2: Report BDX-613-2284; Lessons 3 and 4: Report BDX-613-2373; Lessons 5 and 6: Report BDX-613-2382; Lessons 7 and 8: Report BDX-613-2437, and Lessons 9 and 10: Report BDX-613-2421.
- 113. "Finishing Miniature and Subminiature Holes," *Machine and Tool Blue Book*, October, 1980, pp. 100-113.
- 114. "How to Tackle Miniature Threading," *Machine and Tool Blue Book*, November, 1980, pp. 110-119.

- 115. "The Whole New World of Miniature Technology," SME paper MRR80-12, 1980 (BDX-613-2277).
- 116. "Inspection of Holes 0.040 Inch and Smaller," SME paper MRR80-04, 1980.
- 117. "Deburring Small Intersecting Holes," SME paper MRR80-07, 1980.
- 118. <u>Training Manual for Hand Deburring, Part 2</u>, Bendix Kansas City Report BDX-613-2534, November, 1980.
- 119. "Tools, Tolerances and Techniques of Miniature Hole Measurement," *Machine and Tool Blue Book*, December, 1980, pp. 91-99.
- 120. <u>Training Manual for Hand Deburring, Part 3</u>, Bendix Kansas City Report BDX-613-2572, November, 1980.
- 121. <u>Training Manual for Hand Deburring, Part 4</u>, Bendix Kansas City Report BDX-613-2582, November, 1980.
- 122. Electrochemical Deburring, Bendix Kansas City Report BID-A034, November, 1980.
- 123. "Fixturing and Handling Those Small Parts," *Machine and Tool Blue Book*, February, 1981, pp. 84-95.
- 124. "Metal Finishing Processes: Surface Finish Improvements," MAPEC Teaching Module, Purdue University, August 1981; same as Bendix report BDX-613-2578.
- 125. Visual <u>Thread Quality for Precision Miniature Mechanisms</u>, Bendix Kansas City Report BDX-613-2600, February, 1981.
- 126. Producing Miniature Threads, BDX-613-2608, February, 1981, J. M. Robb, co-author.
- 127. <u>Training Manual for Hand Deburring, Part 4</u>, Bendix Kansas City Report BDX-613-2582, June, 1981.
- 128. "Progress in the Battle with the Burr", SME paper MRR81-07, 1981 (also available from NTIS as Bendix Kansas City Report BDX-613-2306 and in *Research in Machine* [Kikai no Kenkyu: 33(11); 1279-1284(also paginated as 57-62 in that issue) in Japanese].
- 129. "End Milling Recommendations Based on Part Accuracy Needs", Bendix Kansas City Report BDX-613-2742 (available from NTIS), also available as SME paper MR82-946.
- 130. "The Management of Deburring", SME paper MRR82-04, 1982, also published as Bendix Kansas City Report BDX-613-2717 (available from NTIS), February, 1982.
- 131. "Drill Geometries for Miniature Holes", SME paper MRR81-1981 (also available from NTIS as Bendix Kansas City Report BDX-613-2623; also published in SME *Manufacturing Engineering Transactions*, 1982, pp. 68-92).
- 132. "Equipment for Drilling Miniature Holes", SME paper MRR82-01 1982 (also available from NTIS as Bendix Kansas City Report BDX-613-2664).

- 133. "Don't Overlook Electropolishing", *Machine and Tool Blue Book*, May 1982, pp. 72-84 (Jack Bolinger, co-author).
- 134. <u>An Analysis of Electrochemical Deburring,</u> Bendix Kansas City Report BDX-613-2818, September, 1982 (W. M. Moore, co-author).
- 135. <u>The Academic Challenge of Burr Technology</u>, SME paper MR85-XXX, 1985 (also available from NTIS as BDX-613-3151), January, 1985.
- 136. <u>Deburring: An Annotated Bibliography, Vol. VII</u>, Bendix Kansas City Report, BDX-613-2807, August, 1982; same as SME paper MRR84-06.
- 137. <u>Robotic Deburring, Part 1: Preliminary Observations,</u> Bendix Kansas City Report BDX-613-3060, February, 1984 (Topical Report).
- 138. <u>Robotic Deburring: A Bibliography,</u> Bendix Kansas City Report BDX-613-3317, July, 1985 (Topical Report).
- 139. "Surface and Edge Improvement, <u>"Tool and Manufacturing Engineer's Handbook</u>, 4th Edition, Vol. 3, pp. 15-2 through 15-25, 1985.
- 140. "Hand (Manual) Deburring, "Tool and Manufacturing Engineer's Handbook, 4th Edition, Vol. 3, pp. 16-1 through 16-9, 1985.
- 141. "Special-Purpose Machines and Robotic Deburring," *Tool and Manufacturing Engineer's Handbook*, 4th Edition, Vol. 3, pp. 16-49 through 16-63, 1985.
- 142. "Robotic Deburring", *Japan Society of Deburring and Surface Conditioning Technique Journal*, Vol. 3, No. 2, 1985, pp. 9-16 (411-418) [in Japanese].
- 143. "Designing Parts for Economical Deburring", Handbook of Production Design, McGraw Hill, New York, New York, 1985. Similar in *American Machinist*, November, 1985, pp. 125-129.
- 144. <u>Robotic Deburring Handbook</u>, Bendix Kansas City Report BDX-613-3378, August, 1986 (also SME, 1986).
- 145. <u>Overview of Bendix Kansas City Division Robot Safety Efforts,</u> Bendix Kansas City Division Report BDX-613-3221, July, 1985.
- 146. <u>Strategic Systems Planning (SSP) Study Project Report,</u> Bendix Kansas City Division Report BID-A628, February, 1986.
- 147. <u>Observations on Technology's Impact on Education</u>, Bendix Kansas City Report BDX-613-3198, January, 1985.
- 148. <u>Manufacturing and the Manufacturing Engineer in the Year 2000</u>, Bendix Kansas City Report KCD-613-4025, November 1988, (Same in *CAM-I Annual Proceedings*, 1988).
- 149. <u>Manufacturing and the Manufacturing Engineer in the Year 2000</u>, Bendix Kansas City Report KCD-613-4025 (Rev.), August 1989 (same in SME *Curricula 2000 Proceedings*, 1989.)

- 150. <u>Quality Function Deployment As A Mechanism for Process Characterization and Control,</u> Allied-Signal, Kansas City Division Report KCP-613-4276, July, 1990.
- 151. <u>Deburring and Surface Finishing Technology: The Past Ten Years and Projections for the Next Ten Years</u>, Allied-Signal, Kansas City Division report KCP-613-4276, also in *Proceedings of the Burr Edge and Surface Technology-Japan*, Nagoya, Japan, Oct. 24, 1990.
- 152. Shop Experiences with Fast Turn Around Production, *Proceedings of Machine Tool SUBWOG*, JOWOG 39B, Cardiff, Wales, October 5, 1992.
- 153. Standards for Burrs?, *Proceedings of Second International Salon for Precision Deburring and Surface Finishing*, Dairen-City, China, September 1992; also Allied-Signal Aerospace Company report KCP-613-4901, July 1992.
- 154. "MTA/SME Deburring Roundtable", SME; also Allied-Signal Aerospace Company report KCD-613-4965, July 1992.
- 155. "A Simple National Standard for Burr Conditions on Products," *Proceedings of the 1993 Deburring and Surface Conditioning Conference*, SME, 1993.
- 156. "Process Control for Burrs and Deburring," *Proceedings of the Third International Precision Finishing and Deburring Conference*, BEST-J, BEST-K and Korea Academy of Industrial Technology, Seoul, South Korea, November 1994.
- 157. "Standards for Burrs?" Manufacturing Engineering, November, 1995.
- 158. "State of the Art of Deburring in the U.S.", *Proceedings 4th International Conference on Precision Surface Finishing and Burr Technology*, Sept. 23/24, 1996, Bad Nauheim, Germany, Deburring Technology International, Kansas City, MO. (also published as report TR96-3, Deburring Technology International).
- 159. <u>The Battle of the Burr: New Strategies and New Tricks</u>, Technical Report TR96-1, published by Deburring Technology International, Kansas City, MO, 18 pages, 1996 (Similar in *Manufacturing Engineering*, Feb, 1996).
- 160. <u>The Battle of the Sheetmetal Burr: New Strategies and New Tricks</u>, Technical Report TR96-2, published by Deburring Technology International, Kansas City, MO, 18 pages, 1996 (Portions published in *Forming and Fabrication*, April, 1996). 1996
- 161. <u>Burr and Edge Technology: Introduction to Burr Standards</u>, 4 pages, WBTC MS95-1.1996 (editor) [published by the Worldwide Burr Technology Committee/ Distributed by Deburring Technology International, Inc, Kansas City, MO].
- 162. <u>Burr and Edge Terminology: Definitions</u>, 22 pages, WBTC STD 01.1996Draft 1996. (editor)
- 163. <u>Standard Terminology for Researchers of Burrs, and Edge</u> <u>Finishing</u>, 17 pages, WBTC STD 02.1996Draft 1996 (editor).

- 164. Burr and Edge Terminology: An International Dictionary, 30 pages, WBTC STD 03.1996Draft], 1996 (editor).
- 165. <u>The Small Firm Standard for Burrs and Edge Finishing</u>, 5 pages, WBTC STD 11.1996Draft, 1996 (editor).
- 166. <u>Comments on The Use of DIN 6784 Standard for Burrs and Edge Conditions</u>, 4 pages, WBTC MS96-1.1996draft, 1996 (editor).
- 167. <u>The International Standard for Burrs and Edge Finishing</u>, 14 pages, WBTC STD 13.1996Draft, 1996 (editor)
- 168. <u>Setup Reduction Approaches for Machining</u>, Federal Manufacturing and Technologies, Kansas City, MO KCP 613-5836, Nov. 1996.
- 169. <u>Burst Disk Gold Plating</u>, AlliedSignal, Kansas City Division Report KCP-613-5964, July 97 (M.J. Grant coauthor).
- 170. <u>LF7 Piston Cracks</u>, AlliedSignal, Kansas City Division Report KCP-613-5930, May 97 (R.A. Van Cleave coauthor)
- 171. Deburring and Edge Finishing for Fine Surface Finishes, *Abrasives Magazine*, October/November 1997, pp. 12,13,19,22,23,25-30, 32,33.
- 172. Current Deburring Methods Used in Industry, *Proceedings ASME Winter Annual* Meeting (Symposium_IMECE-97), November 1998, Dallas, TX.
- 173. Inspecting for Burrs, Manufacturing Engineering, April 1998, pp. 70-74.
- 174. Inspecting for Burrs, *Proceedings of the 5th International Deburring and Surface Finishing Conference*, San Francisco, CA, Sept 28-30, also available as Deburring Technology International paper TR98-3, 1998.
- 175. 25 Special Tools for Hand Deburring, *Proceedings of the 5th International Deburring and Surface Finishing Conference*, San Francisco, CA, Sept 28-30, 1998
- 176. An Integrated International Standard for Burrs and Edge Finishing, *Proceedings of the 5th International Deburring and Surface Finishing Conference*, San Francisco, CA, Sept 28-30, 1998
- 177. "Is it a Knowledge Supply Chain, or is it a Series of Spiderwebs?" presented at the CAM-I meeting, HEAT Center, Denver, CO, June 28, 1999.
- 178. <u>Femtosecond Laser Manufacturing Experiments,</u> AlliedSignal, Kansas City Division Report KCP-613-6240, October 1999.
- 179. not available to the general public
- 180. not available to the general public
- 181. State of the Art in Deburring and Edge Finishing in the US, Deburring Technology International paper TR2000-1, April 2000.

- 182. "Fighting the Battle of the Burr," $Manufacturing\ Engineering$, Vol. 124, No. 5, May, 2000, pp. 114-125.
- 183. "Unique Abrasive Tools for Hand Deburring," *Abrasives Magazine*, June/July 2001, pp. 7-10.
- 184. not available to the general public
- 185. not available to the general public
- 186. not available to the general public
- 187. Leaders Who Have Made a Difference in Deburring, *Proceedings of the 7th International Deburring and Surface Finishing Conference*, Berkeley, California, June 9, 2004.
- 188. Deburring: A Listing of SME Publications on the Technology, *Edge Finish and Surface Conditioning Technical Group Newsletter*, SME, 2005.
- 189. "Compiled Problems Caused by Burrs and Sharp Edges," *Deburring, Edge Finish and Surface Conditioning Technical Group Newsletter*, SME, January 8, 2006.
- 190. "Microburrs and Microslivers from Surface Machining Operations," *Abrasives Magazine*, January/February 2006, on-line version lacks page numbers.
- 191. "Counter Intuitive," Cutting Tool Engineering, April 2006, pp. 70-76.
- 192. "Making Easy Work of Hard Turning," Cutting Tool Engineering, June 2006, pp. 18-19.
- 193. "Targeting Six Sigma," Cutting Tool Engineering, July 2006, pp. 56, 58-60, 62.
- 194. "Baby Teeth, Big Bite," Cutting Tool Engineering, August 2006, pp. 98,100-104.
- 195. "Spindle Speeders, Special Heads," Cutting Tool Engineering, September 2006, pp. 26-27.
- 196. "Your Burr Technology Efforts Changed the World," *Proceedings of the 8th International Deburring and Surface Finishing Conference*, Osaka, Japan (Kansai University) Nov 7-8, 2006.
- 197. Study on a Rational Approach to Burr Technology," <u>Doctor of Engineering Dissertation</u>, Department of Mechanical Engineering, Meiji University, Kawasaka City, Japan, November 24, 2006.
- 198. "Finding G Code That Reduces Cycle Time," *Cutting Tool Engineering*, Dec. 2006 vol. 58(12), pp. 22-23.
- 199. "Burr Down," Cutting Tool Engineering, Dec. 2006 vol. 58(12), pp. 54-59.
- 200. "Two New Approaches for Finishing Parts," *Cutting Tool Engineering*, Jan. 2007 vol. 60 (1), pp. 10,12.

- 201. "Skimming Your Way to a Better Workplace," *Cutting Tool Engineering*, Jan. 2007 vol. 60 (1), pp. 22-23.
- 202. "Centerless Grinding Fundamentals," *Cutting Tool Engineering*, Mar. 2007 vol. 60 (3), pp. 22-23.
- 203. "Tools for Engraving," Cutting Tool Engineering, May. 2007 vol. 60 (5), pp. 22-24.
- 204. "Flat Lapping Basics." Cutting Tool Engineering. July 2007. Vol. 59 (5), pp. 22-23.
- 205. "Be Cool." Cutting Tool Engineering. Sept 2007. Vol. 59 (9), pp 24, 26.
- 206. "Cool Quality." Cutting Tool Engineering. Sept. 2007. Vol. 59 (9) pp 70-79.
- 207. "Orthogonal Chip Formation." Cutting Tool Engineering. Oct 2007. Vol. 59 (10). pp. 22-23.
- 208. "Heat Treating." Cutting Tool Engineering. April 2008. Vol. 60 (4). 24-25.
- 209. "Alluring Deburring." Cutting Tool Engineering. April 2008. Vol. 60 (4). 50-55.
- 210. "The Route to Fine Finishes," Cutting Tool Engineering, June 2008, vol. 60(6), pp 26-27.
- 211. "(Non)Risky Business?" Cutting Tool Engineering, June 2008, vol. 60(6), pp.70-80.
- 212. "Drag Race." Cutting Tool Engineering. July 2008. Vol. 60 (7). 72-79.
- 213. "Measuring Surface Finish." Cutting Tool Engineering. August 2008. Vol. 60 (8). 24-26.
- 214. "The History of Vibratory Finishing." *Proceedings of the 2008 Vibration Conference Honoring Dr. Anatoly Babichev.* Don State Technical University Sept 2008.
- 215. "Rough to Measure." *MICROmanufacturing*. Fall 2008. Vol. 1 (1). 50-52,55. Getting a (micro) Grip. *MICROmanufacturing*. Winter 2008. Vol. 1 (2). 45-47.
- 216. "Thread Grinding." Cutting Tool Engineering. December 2008, vol. 60(12); 32-33.
- 217. "Hole in Three." Cutting Tool Engineering. March 2009, vol. 61(3): 56-61.
- 218. "Hands Off: Alternatives to Leaving Fingerprints on Microparts." *MICROmanufacturing*. Spring 2009. Vol. 2 (1). 48-52.
- 219. "Burr Tabs." Cutting Tool Engineering. April 2009. Vol 61(4):36-40.
- 220. "What is SME's Role in Higher Education?" *Manufacturing Engineering*. April 2009. 142(4):16-17.
- 221. "Spin Class." MICROmanufacturing. Summer 2009. Vol. 2 (2). 33-37.
- 222. "Edge Finishing Product Enhancement or Wasted Cost?" *Manufacturing Engineering*. June 2009.142(6): 57-63.

- 223. "Surface Strategy." Cutting Tool Engineering. June 2009 61(6). 49-53.
- 224. "Hit It Again, Harder." Cutting Tool Engineering. August 2009 61(8). 42-48.
- 225. "Letters to the Editor: The Ball Keeps Rolling." Cutting Tool Engineering. 2009. 61(10):12.
- 226. "Robots Done Right," Cutting Tool Engineering. 2010 62(4): 36-42.
- 227. The Importance of Chip Mitigation. MICROmanufacturing. 2010. Jan/Feb 3(1): 12-14.
- 228. Deburring, Deflashing and Edge Finishing Micro Parts. *Proceedings Micro Manufacturing Conference*. Dearborn, MI: SME. March 2010 (also as SME Tech Paper TP10Pub83).
- 229. Dental Assistance. MICROmanufacturing. 2010. May/June 3(3): 39-43.
- 230. Deburring and Edge Finishing Research and Implementation Needs. *Proceedings Voproc Vibrashon Technologie (Issues in Vibrational Technology)*. Rostov-on-Don, Russia: Don State Technical University. Sept. 2010: pp 224-232. Longer version published as SME technical paper TP10Pub110.
- 231. A Survey of the Cost of Burrs in 2010: Deburring Still the Common Cold of Industry. Technical Report TP10Pub84. Dearborn, MI: SME. Sept 2010.
- 232. Micro Process Poised to Come Online. *MICROmanufacturing*. 2010. September/October 3(5): 48.
- 233. SME: What's In It for Me?" 2010, SME News Archives, November 12.
- 234. Spinning Tale, MICROmanufacturing, 2011, January/February 4(1):38-43.
- 235. Fabricating Under the Microscope, *MICROmanufacturing*, 2011, January/February 4(1):6-10.
- 236. Lights, Camera, Micro, MICROmanufacturing, 2011, January/February 4(1):10-11.
- 237. The Hole Edge, Cutting Tool Engineering, 2011, March, Vol. 63(10): 68-74.
- 238. Critical Mass, Cutting Tool Engineering, 2011, April, Vol. 63(11): 40-46.
- 239. SME Speaks: "Are You Where You Want To Be?" *Manufacturing Engineering*, 2011, May, Vol. 146 (5): 16.
- 240. Laser Deburring. Technical Report TP11Pub9. Dearborn, MI: SME. April 2011.
- 241. Vibration Technologies for Mechanical Engineering: Implementation and Development. Technical Report TP11Pub11. Dearborn, MI: SME. July 2011 (A.P. Babichev and P.D. Motrenko co-authors).
- 242. SME Speaks: 2012, A Promising Year Ahead. *Manufacturing Engineering*, 2012, January, Vol. 147 (1): 12-13.

- 243. Taxonomy for Deburring. 2011. Technical Report TP11Pub58. Dearborn, MI: SME. Dec. 2011.
- 244. Medical Manufacturing Reaches New Heights. 2012. *Medical Manufacturing*. Dearborn, MI: SME.
- 245. Electropolishing Automation. 2012. *Manufacturing Engineering*. Dearborn, MI: SME. 148 (4): 65-73.
- 246. SME Speaks: A Day in the Life of an SME Board Member, *Manufacturing Engineering*, 2012, January, Vol. 147 (6): 14-15.
- 247. Quality Countdown, Cutting Tool Engineering, June 2012, 63(6): 56-61.
- 248. Small Smoothers, Cutting Tool Engineering, July 2012, 63(7): 88-95.
- 249. New Machine for Extruding Microthreads, *MICROmanufacturing*, vol 5(5), September/October, 2012, pp.9-10.
- 250. Cutting (small) Teeth, MICROmanufacturing, vol 5(6), November/December, 2012, pp. 41-44.
- 251. Finishing Composite Edges and Surfaces, *Aerospace & Defense Manufacturing 2012*, Dearborn, MI:SME. 2012, pp. 105-109.
- 252. Deburring/Defuzzing/Finishing Composites, Technical Report TP12Pub42. Dearborn, MI: SME. Dec. 2012.
- 253. Cutting Glass for Micro Products, MICROmanufacturing, Jan/Feb 2013, vol. 6(1), 11-12.
- 254. World's Smallest Motors Drive Micro Devices, *MICROmanufacturing*, Jan/Feb 2013, vol. 6(1), 12, 46.
- 255. Does Folding Have a Future in Micro? *MICROmanufacturing*, Jan/March/April 2013, vol. 6(2), 9.
- 256. Making Micro Threads, *Production Machining*, Apr 19, 2013, Gardner Publications On-line magazine.
- 257. Smoothing Edges, *MICROmanufacturing*, May/June 2013, vol. 6(3), 44-46,51; same in *Cutting Tool Engineering*, July 2013, pp 80-86.
- 258. Process Hardens Parts, Enhances Wear Properties, *Cutting Tool Engineering*, September 2013, pp 18,20.
- 259. Power Skiving Benefits Gear Cutting, Cutting Tool Engineering, October 2013, pp. 13-15.
- 260. Ireton in Ireland, *Genealogical Society of Ireland Journal*, Genealogical Society of Ireland: Dublin, Vol. 15, 2014, pp116-122.

- 261. Keeping Parts Separated When Vibratory Finishing, *Cutting Tool Engineering*, vol. 66, No. 7, July 2014, pp.14-15.
- 262. Top Finishers, Cutting Tool Engineering, vol. 66, No. 7, July 2014, pp.70-76.
- 263. Deburring: A Standard Operation, The Fabricator, vol. 45, No. 8, August 2015, pp. 72-74.
- 264. Burger Family in Indiana 1811, published on line, June 2016