

Judith J. Lambrecht

Professor

University of Minnesota
College of Education and Human Development
Dept. of Work and Human Resource Education
Business and Marketing Education

Curriculum Vita

June 2014

Education

Ph. D.	University of Wisconsin, Madison 1971	Business and Curriculum & Instruction
M.S.	University of Wyoming, Laramie 1967	Business Education Minor: Economics
B.S.	University of Wyoming, Laramie 1966	Business Education with honor

Professional Experience

2009-Present	University of Minnesota, Professor Emerita, Business and Marketing Education
1973-2009	University of Minnesota, Professor, Business and Marketing Education, Dept. of Work and Human Resource Education, College of Education and Human Development Promoted to Professor, 1985 Promoted to Assoc Professor, 1977
1993-2003	University of Minnesota, Professor, and Instructional Systems & Technology, Dept. of Curriculum Instruction, College of Education and Human Development
1989-92	University of Minnesota, Associate Dean, College of Education
1972-73	University of Wisconsin, Eau Claire, Asst. Professor, Administrative Data Processing and Business Education, College of Business
1971-72	University of Wisconsin, Madison, Research Assistant, College of Education
1968-72	Madison Area Technical College, Instructor, P/T, Business Division
1967-68	University of Wyoming, Laramie, Instructor, College of Commerce & Industry

II. DISCIPLINED INQUIRY

A. Bibliography

2. After Joining the University of Minnesota Faculty

a) BOOKS

MS-EXCEL 5.0 FOR WINDOWS - A PROFESSIONAL APPROACH, 1995, Columbus, OH: Glencoe/ Macmillan / McGraw-Hill. (Post-secondary level; year-long textbook) (Co-authored with N. M. Edgmand.)

ADMINISTRATIVE SUPPORT CAREER PROGRAMS, 1986, Curriculum Guide developed for the Minnesota Area Vocational/Technical Institute system, prepared with C. R. Hopkins and T. Bergstrom under a grant from the Minnesota State Board of Vocational Education.

INFORMATION PROCESSING: CONCEPTS, PRINCIPLES, AND PROCEDURES. Cincinnati: South-Western Publishing Company, 1984. (Co-authored with J. F. Clark)

BUSINESS AND OFFICE EDUCATION: REVIEW AND SYNTHESIS OF RESEARCH. Third Edition. Columbus, Ohio: The Center for Research in vocational Education, The Ohio State University, 1981. (Co-authored with M. J. D'Onofrio, L. E. Jones, and P. A. Merrier)

FUNDAMENTALS OF DATA PROCESSING, Second Edition. Cincinnati: South-Western Publishing Company, 1981. (Co-authored with S. J. Wanous and G. E. Wagner.)

SHORTHAND: LEARNING AND INSTRUCTION. Cincinnati: South-Western Publishing Company, 1980. (Co-authored with S. H. VanHuss and E. L. Christensen)

THIS BUSINESS OF METRICS, Units I-V. Instructional materials including audio-tapes, slides, and student workbooks. Mountain View, California: Western Tape, 1977, 1978. (Co-authored with L. Prigge.)

HANDBOOK FOR VOCATIONAL INSTRUCTORS INTERESTED IN COMPETENCY-BASED INSTRUCTION. Minneapolis: Minnesota Research Coordination Unit in Vocational and Technical Education, University of Minnesota, 1975. (Co-author with L. J. Burger.)

II. DISCIPLINED INQUIRY

A. Bibliography

2. After Joining the University of Minnesota Faculty

b) ARTICLES AND RESEARCH REPORTS (♦ indicates refereed paper)

1. ♦ “The Need to Rethink the Purposes of Business Education: Results from a Delphi Study,” (2013). BUSINESS TEACHER EDUCATION JOURNAL, 39, pp. 22-29. (Co-Authored with C. Kesten.)
2. ♦ “Major Trends and Issues Affecting Business Education Curriculum Development,” (2012). In W. I. Stitt-Gohdes (Ed.), TRENDS AND ISSUES IN BUSINESS EDUCATION, NBEA Yearbook, 2012, Chapter 1, pp. 1-15. Reston, VA: National Business Education Association. (Co-Authored with C. Kesten.)
3. ♦ “Evaluating and Assessing Student Performance,” (2008). In M. Rader (Ed.), EFFECTIVE METHODS OF TEACHING BUSINESS EDUCATION IN THE 21ST CENTURY, NBEA Yearbook, 2008, Chapter 6, pp. 80-93. Reston, VA: National Business Education Association. (Co-Authored with Marcia Bush.)
4. ♦ “Business Education Delphi Study of Future Directions for the Field: TAG Responses,” (2007, Winter). THE DELTA PI EPSILON JOURNAL, 49(1), 15-25.
5. ♦ “Program Evaluation in Business Education,” (2007). In J. Marcia Bush (Ed.), ASSESSMENT FOR A CHANGING BUSINESS EDUCATION CURRICULUM, NBEA YEARBOOK, 2007, Chapter 15, pp. 186-201. Reston, VA: National Business Education Association. (Co-Authored with Peter Meggison)
6. ♦ “Business Educators’ Assessments of Trends, Assumptions, and Actions Affecting Practice in the Field,” (2005). BUSINESS EDUCATION FORUM, 60(1), 44-48. (Co-authored with C. Kesten).
7. ♦ “‘Learning the Ropes’: On-the-Job Experiences of Computer Users.” (2004). INFORMATION TECHNOLOGY, LEARNING, AND PERFORMANCE JOURNAL, 22(2), 13-32. (Co-authored with D. H. Redmann, W. L. Stitt-Gohdes).
8. ♦ “Thomson Netg’s Blended-Learning Model: The Next Generation of Corporate and School-Based Learning, (2003, Fall). THE DELTA PI EPSILON JOURNAL, 45(3), 145-161. (Co-Authored with S. L.T. Boyle, K. Kolosh, & J. L’Allier)

9. THOMSON JOB IMPACT STUDY--FINAL RESULTS, THE NEXT GENERATION OF CORPORATE LEARNING: ACHIEVING THE RIGHT BLEND. (February, 2003). Corporate White Paper. Naperville, IL: Thomson/NETg. (Participant with NETg Team).
10. THOMSON JOB IMPACT STUDY: THE NEXT GENERATION OF CORPORATE LEARNING. (May, 2002). Corporate White Paper. Naperville, IL: Thomson/NETg. (Participant with NETg Team).
11. ♦ "Business Education: Preparation of Teachers." (2002). ENCYCLOPEDIA OF EDUCATION (2nd Ed.). New York, NY: Macmillan Reference.
12. ♦ "The Critical Incident Technique: A Tool for Qualitative Research," (2000). THE DELTA PI EPSILON JOURNAL, 42(3), 132-153. (Co-authored with D. H. Redmann & W. L. Stitt-Gohdes)
13. ♦ "The Critical-Incident Technique in Job Behavior Research," (2000). JOURNAL OF VOCATIONAL EDUCATION RESEARCH, 25(1), 63-89. (Co-authored with W. L. Stitt-Gohdes & D. H. Redmann.)
Available at: <http://scholar.lib.vt.edu/ejournals/JVER/>
14. ♦ "Developing End-User Technology Skills," (2000, Spring), INFORMATION TECHNOLOGY, LEARNING, AND PERFORMANCE JOURNAL, 18(1), 7-19. Available Online: <http://www.nyu.edu/education/alt/beprogram/osrajournal/vol18no1.html>
15. ♦ "Characteristics of Good Assessment," (2000). Chapter 3 in ASSESSMENT IN BUSINESS EDUCATION, 2000 National Business Education Association Yearbook, No. 38, Part II, Developing Assessment Tools in Business Education, pp. 25-38. Reston, VA: National Business Education Association.
16. ♦ Lambrecht, J. J., Redmann, D. H.; & Stitt-Gohdes, W. L. (April, 2000). ORGANIZATIONAL SOCIALIZATION AND ADAPTATION: LEARNING THE ROPES IN THE WORKPLACE BY PRIMARY COMPUTER USERS. Final Report Submitted to the Delta Pi Epsilon Research Foundation.
17. ♦ "Selecting Appropriate Statistical Tests," (1999, Summer), THE DELTA PI EPSILON JOURNAL, 41(3), 128-140.
18. ♦ DEVELOPING EMPLOYMENT-RELATED OFFICE TECHNOLOGY SKILLS. (1999, November). Final Report. MDS 1199. Berkeley, CA: National Center for Research in Vocational Education. Available Online:
<http://www.nccte.org/publications/ncrve/mds-11xx/index.html>

19. ♦ “Promising Approaches for Teaching Technology Skills, Part 1,” (1998, December).
INSTRUCTIONAL STRATEGIES: AN APPLIED RESEARCH SERIES, 14(4), 1-6.
20. ♦ “Promising Approaches for Teaching Technology Skills, Part 2,” (1999, March).
INSTRUCTIONAL STRATEGIES: AN APPLIED RESEARCH SERIES, 15(1), 1-6.
21. ♦ “Promising Approaches for Teaching Technology Skills, Part 3,” (1999, June).
INSTRUCTIONAL STRATEGIES: AN APPLIED RESEARCH SERIES, 15(2), 1-6.
22. ♦ "Promising Approaches for Teaching Technology Skills," Spring, 1999. CENTERWORK:
NATIONAL CENTER FOR RESEARCH IN VOCATIONAL EDUCATION, 10(1), 3-5.
Available Online: <http://ncrve.berkeley.edu/CW10.1/CW10.1-WORK-2.html>
23. ♦ "Teaching Technology-Related Skills," January/February, 1999, JOURNAL OF EDUCATION
FOR BUSINESS, Vol. 74, No. 3, pp. 144-151.
24. ♦ "Work in Progress at the University Of Minnesota: Developing Employment-Related
Technology Skills, " Spring 1998, CENTERWORK: NATIONAL CENTER FOR RESEARCH
IN VOCATIONAL EDUCATION, 9(1), 1-2. Available Online:
<http://ncrve.berkeley.edu/CW91/CW91-WORK.html>
25. ♦ “On-the-Job Experiences of Vocational Administrators that Develop Leadership Capabilities”
1998. JOURNAL OF VOCATIONAL EDUCATION RESEARCH, Vol. 23, No. 1, pp. 35-44.
(Co-Authored with C. R. Hopkins, C. R. Finch, & J. Moss, Jr.). Received “Best Article” Award
for Volume 23 in December 1999 by the American Vocational Education Research Association
at the National Conference of the Association for Career and Technical Education meeting in
Orlando, Florida.
26. ♦ “Teaching Problem Solving for Employment Preparation,” Spring, 1997. JOURNAL OF
BUSINESS EDUCATION AND TRAINING, Vol. 6, pp. 17-49.
27. ♦ IMPORTANCE OF ON-THE-JOB EXPERIENCES IN DEVELOPING LEADERSHIP
CAPABILITIES. MDS-814. (October 1997. Berkeley, CA: National Center for Research in
Vocational Education. (With C. R. Hopkins, J. Moss, and C. Finch)
28. ♦ MANUAL FOR THE LEADER EFFECTIVENESS INDEX. MDS 815. (1994. Berkeley,
CA: National Center for Research in Vocational Education. (with J. Moss, C. Finch, and Q.
Jensrud)

29. ♦ "MANUAL FOR THE LEADER ATTRIBUTES INVENTORY. MDS 730. (1994. Berkeley, CA: National Center for Research in Vocational Education. (with J. Moss, C. Finch, and Q. Jensrud)
30. ♦ "Problem Identification in Research About Teaching Problem Solving," PROCEEDINGS for the 1992 National Delta Pi Epsilon Research Conference, November 12-14, 1992, Los Angeles, California.
31. ♦ "Applications Software as Cognitive Enhancers," JOURNAL OF RESEARCH ON COMPUTING IN EDUCATION, Volume 25, No. 4, pp. 506-515, 1993.
32. ♦ "Research for Shaping the Future of Business Education," Chapter 11, STRATEGIC PLANNING FOR THE 1990s. National Business Education Yearbook, No. 28. Reston, Virginia: National Business Education Association, 1990. (Co-authored with Jolene Scriven).
33. ♦ "Research in Teacher Education: Business Education," Chapter 45, HANDBOOK OF RESEARCH ON TEACHER EDUCATION, Sponsored by Association of Teacher Educators. New York: Macmillan Publishing Company, 1990.
34. ♦ "Roadblocks to Teacher Education Restructuring," JOURNAL OF VOCATIONAL EDUCATION RESEARCH, Volume 14, No. 4, pp. 15-33, Fall 1989.
35. "Evaluating Students' Use of Microcomputer Applications," THE BUSINESS EDUCATION FORUM, Volume 44, No. 2, pp. 24-25, November 1989.
36. "Research Questions Related to Teaching Software," THE BUSINESS EDUCATION FORUM, 43:25-28, 1989.
37. "The Shrinking Research in Business Teacher Education," Manuscript presented at the National Delta Pi Epsilon Research Conference, November 12, 1988, Ft. Worth, Texas.
38. "Business Education--What is it Today," MBEI IN ACTION, Spring 1988, pp. 13-14.
39. ♦ "Selecting and Utilizing Hardware and Software in the Classroom," Chapter 10, BUSINESS EDUCATION FOR A CHANGING WORLD. National Business Education Association Yearbook, No. 25. Reston, Virginia: National Business Education Association, 1987.
40. ♦ "Where Does Business Education Fit in the Information Society," (1987). NABTE REVIEW, 14, pp. 11-17. (Selected as the outstanding business education article in 1987 and given the Alpha Award by Alpha Chapter of Delta Pi Epsilon, New York University, in 1988. Selected as the outstanding article in the NABTE REVIEW in 1987 and content of article presented at the NABTE Session at the 1988 NBEA Convention.)

41. ♦ "Issues Related to Academic Preparation for Business," part of Panel Presentation on Role of Business Education in Education Reform and complete manuscript included in CONFERENCE PROCEEDINGS for the National Delta Pi Epsilon Research Conference, November, 14, 1986, Chicago, Illinois.
42. INSTRUCTIONAL MICROCOMPUTER APPLICATIONS USED BY BUSINESS TEACHERS IN MINNESOTA. Research Report. Funded by the Department of Vocational and Technical Education, College of Education. St. Paul: University of Minnesota. January 1986.
43. ♦ "Preparing Teachers for Using Computers in Instruction," EDUCATIONAL TECHNOLOGY, 24:16-20, September 1984. (Co-authored with C. C. Carrier)
44. ♦ "Selecting Electronic Equipment: Limited Resources vs. Multiple Options," JOURNAL OF BUSINESS EDUCATION, 59:220-224, March 1984.
45. ♦ "Vocational-Industrial Education--Business Education," Chapter in the INTERNATIONAL ENCYCLOPEDIA OF EDUCATION: RESEARCH AND STUDIES, 1984 by Pergamon Press. pp. 607-618. (Co-authored with C. R. Hopkins)
46. "Computer Assisted Instruction in Typing, " EDUCATIONAL COMPUTER MAGAZINE 3:42-44, 66-68, May/June 1983. (Co-authored with J. M. Pullis)
47. ♦ "Review of Research in Business Data Processing," JOURNAL OF BUSINESS EDUCATION 57:290-297, April 1982.
48. ♦ "At Home with the Computer," VOCED 57:46, 50-51, April 1982. (Co-authored with J. McClelland)
49. "New Microcomputer Teaching Competencies," THE BALANCE SHEET 63:233-236, 278, March 1982.
50. ♦ "Secondary and Postsecondary Data Processing Teachers: Do They Differ?" JOURNAL OF DATA EDUCATION 22:13-16, October 1981. (Co-authored with G. N. McLean. Reprint of article appearing in same journal July 1976)
51. ♦ POTENTIAL FOR USING APTITUDE TESTS FOR SHORTHAND SYSTEM SELECTION AND PROGNOSIS OF SUCCESS. Paper presented at the 1981 AERA Annual Meeting, Los Angeles, California, April 13-17, 1981, and published in Beta Beta Chapter of Delta Pi Epsilon Research Monograph, Southern Illinois University, Edwardsville, 1981.

52. LAMBRECHT SHORTHAND APTITUDE TEST AND TEACHER'S MANUAL. Minneapolis: University of Minnesota, Department of Vocational and Technical Education, 1981.
53. ♦ "Assessment of Attitudes of First-Year Gregg and Forkner Shorthand Students," NABTE REVIEW, No. 7, 1980, pp. 15-19.
54. ♦ "Special Competency Requirements, Section A: Data Processing Personnel," Chapter 16, THE CHANGING OFFICE ENVIRONMENT. National Business Education Yearbook, No. 18. Reston, Virginia: National Business Education Association, 1980, pp. 166-169.
55. "Word processing Educational Programs," COMMERCIAL WEST 159:14-15, 29, January 19, 1980.
56. ♦ "Curriculum Guidelines for High School Data Processing," READINGS IN TEACHING BUSINESS SUBJECTS. (Edited by L. C. Nanassy) Belmont, California: Fearon Pitman Publishers, Inc., 1980. (Reprint of article in BUSINESS EDUCATION FORUM 32:29-31, December 1977.)
57. "Metrication in Shorthand," METRICATION IN BUSINESS EDUCATION. (Edited by L. Prigge). Reston, Virginia: National Business Education Association, 1979.
58. ♦ "Comparing Achievement Among Shorthand Systems: A Research Synthesis," JOURNAL OF BUSINESS EDUCATION 55:78-81, November 1979.
59. "Professional Shorthand Teacher's Corner," CENTURY 21 REPORTER. Fall 1979, p. 8.
60. ♦ "Uses of Alternative Shorthand Systems After High School," JOURNAL OF BUSINESS EDUCATION, 54:226-230, February 1979.
61. ♦ "First- and Second-Year Shorthand Achievement for Century 21, Forkner, and Gregg Shorthand," THE DELTA PI EPSILON JOURNAL, 20:12-26, October 1978.
62. ♦ "Evaluation of First-Year Shorthand Achievement," JOURNAL OF BUSINESS EDUCATION, 53:231-232, February 1978.
63. EVALUATION OF FIRST-YEAR SHORTHAND ACHIEVEMENT. FINAL REPORT Minneapolis: University of Minnesota, Department of Vocational and Technical Education, September 1977.
64. "Data Processing: Curriculum Guidelines for High School Data Processing," BUSINESS EDUCATION FORUM, 32:29-31, December 1977.

65. CONTENT AND METHODOLOGY BACKGROUND AND PERCEIVED COMPETENCIES OF DATA PROCESSING TEACHERS IN MINNESOTA AND WISCONSIN. FINAL REPORT. University of Minnesota: Department of Vocational and Technical Education, 1977. (Co-authored with G. N. McLean)
66. ♦ "Data Processing In-Service Needs for Teachers," JOURNAL OF DATA EDUCATION, 17:13-21, July 1977. (Co-authored with G. N. McLean; reprint of three articles in July 1976; October 1976; and January 1977, issues of same journal)
67. "Needs of the High School Data Processing Teachers," BUSINESS EDUCATION WORLD 58:18-19, 23, September-October 1977. (Co-authored with G. N. McLean)
68. ♦ "Content and Methodology Background and Perceived Competencies of Data Processing Teachers," NABTE REVIEW, 1976-77, pp. 25-29. (Co-authored with G. N. McLean)
69. ♦ "Secondary and Postsecondary Data Processing Teachers: What are Their D. P. Methodological In-Service Needs?" JOURNAL OF DATA EDUCATION 17:5-7, 10, January 1977. (Co-authored with G. N. McLean)
70. ♦ "Secondary and Postsecondary Data Processing Teachers: What are Their D. P. Content In-Service Needs?" JOURNAL OF DATA EDUCATION 17:5-7, October 1976. (Co-authored with G. N. McLean)
71. ♦ "Secondary and Postsecondary Data Processing Teachers: How Do They Differ?" JOURNAL OF DATA EDUCATION 16:10-13, July 1976. (Co-authored with G. N. McLean)
72. "Selecting the Most Appropriate Shorthand System," BUSINESS EDUCATION FORUM 30:19, May 1976.
73. ♦ "Possibilities and Limitations of Individualized Instruction in Business Education," INDIVIDUALIZED INSTRUCTION IN BUSINESS EDUCATION--PERSPECTIVE, OPINION AND DIALOGUE. Position Papers presented at the Invitational Business Education Forum, October 15-17, 1975. Provo, Utah: Alpha Omega Chapter of Delta Pi Epsilon, Brigham Young University, 1975
74. ♦ "A Historical Development of Office Education", Chapter 4, BUSINESS EDUCATION: YESTERDAY, TODAY, and TOMORROW. National Business Education Yearbook, No. 14. Reston, Virginia: National Business Education Association, 1976, pp. 76-93.
75. "Shorthand Shortcuts," AMERICAN METRIC JOURNAL 3:38-39, November-December, 1975.

76. ♦ "Observations on First Attempts to Individualize," THE DELTA PI EPSILON JOURNAL 17:1-14, February 1975.
77. ♦ "Choices for Teachers Too--When They 'Individualize,' Parts I, II, and III," JOURNAL OF BUSINESS EDUCATION 50:148-150, 207-208, and 237-238, January, February, and March 1975.
78. ♦ "Business Education Keeps Pace," AMERICAN VOCATIONAL JOURNAL 49:40-42, September 1974. (Co-authored with R. A. Ristau)

II. DISCIPLINED INQUIRY

B. Presentations of Disciplined Inquiry

2. After Joining the University of Minnesota Faculty (♦ indicates refereed presentation)

a) NATIONAL/INTERNATIONAL

1. ♦ “Future Directions for Business Education: A Delphi Study,” American Educational Research Association Conference, San Diego, CA, March 20, 2009. (with Cyril Kesten).
2. ♦ “Future Directions for Business Education: A Delphi Study,” Research Session, Delta Pi Epsilon National Conference, San Diego, CA, November 19, 2009. (with Cyril Kesten). Award Outstanding Research Award.
3. ♦ “Using The Delphi Technique For Business Education Research,” Research Training Session, Delta Pi Epsilon National Conference, New Orleans, LA, November 17, 2007. (with Cyril Kesten).
4. ♦ “The Future of Business Education, Panel Presentation by Members of the Agnew Group,” First General Session, Delta Pi Epsilon National Conference, New Orleans, LA, November 15, 2007 (with The Agnew Group members).
5. ♦ “Business Education Delphi Survey—Preliminary Results,” Delta Pi Epsilon National Conference, Bloomington, MN, November 17, 2006. (with Cyril Kesten).
6. ♦ “Business Educators’ Assessments of Trends, Assumptions, and Actions Affecting Practice in the Field,” National Association for Business Teacher Education (NABTE) Research Conference, National Business Education Association Conference, Tampa, FL, April 12, 2006 (with Cyril Kesten).
7. ♦ “Delphi Survey of Business Education,” National Association for Business Teacher Education (NABTE) Research Conference at National Business Education Conference, Anaheim, CA, March 23, 2005. (with Cyril Kesten).
8. ♦ “Business Education Delphi Survey—TAG Group Results,” Presentation with Cyril Kesten with The Agnew Group, Delta Pi Epsilon National Conference, Washington, DC, November 19, 2004.
9. “Business Education 2020: Research Needs,” Panel Presentation by The Agnew Group, Delta Pi Epsilon National Conference, Indianapolis, IN, November 20, 2003.

10. Presidential Address, "Delta Pi Epsilon: Dare to Practice Excellence," Delta Pi Epsilon National Conference, Indianapolis, IN, November 22, 2003.
11. ♦ "Real-World Performance Study of a Blended Learning Model" (Association for Educational Communications and Technology (AECT), Dallas, TX, November 14, 2002, David Merrill, Kenneth Kolosh, Judith Lambrecht.
12. ♦ "Evaluation of Online Technology Training in School and Industry Settings," Panel on Distance Learning in Business Education. National Delta Pi Epsilon Research Conference, Cleveland, OH, November 21, 2003.
13. "Computer Applications Across the Curriculum," Saskatchewan Business Teachers' Association Spring Workshop, Moose Jaw, Saskatchewan, Canada, March 23, 2002
14. ♦ "Selecting Appropriate Statistical Tests," National Association for Business Teacher Education (NABTE) Research Conference at the National Business Education Association Conference, Philadelphia, PA, March 27, 2002.
15. ♦ "Linking Software Instruction to Real Business Problems—Contextualizing Computer Applications Courses and Content." Technology Training Session at Delta Pi Epsilon 2001 National Conference, Nashville, Tennessee, November 15-17, 2001.
16. ♦ "On-Line Technology Training as an Option for Teaching Applications Software," Technology Training Session at Delta Pi Epsilon 2001 National Conference, Nashville, Tennessee, November 15-17, 2001.
17. ♦ "Job Analysis For Training: Examining the Holistic Nature of Work Requirements," (co-authored with D. H. Redmann and W. L. Stitt-Gohdes). Paper presented at Academy of Human Resource Development, 2001 Conference, Tulsa, Oklahoma, February 28-March 4, 2001.
18. ♦ Training Session on "Developing Employment-Related Office Technology Skills," Delta Pi Epsilon National Conference, Columbus, Ohio, November 16-28, 2000.
19. Moderator of Panel of National Leaders on topic "What's Next? 'Here Today, Gone Tomorrow,'" Delta Pi Epsilon National Conference, Columbus, Ohio, November 16-28, 2000.
20. ♦ "Developing Employment-Related Office Technology Skills," Association for Educational Communication & Technology National Convention, Denver, Colorado, October 26-28, 2000.
21. ♦ "Research Training Session: Using Critical Incident Interviews for Qualitative Research," National Association for Business Teacher Education (NABTE) Research Conference at the

- National Business Education Association National Convention, Anaheim, California, April 19-22, 2000.
22. ♦ "Developing Employment-Related Technology Skills," American Educational Research Association National Convention, Business Education/Information Systems SIG, Montreal, Canada, April 19-23, 1999.
 23. ♦ "Developing Employment-Related Technology Skills," American Vocational Association National Convention, NATEBE Research Session, New Orleans, LA, December 7-12, 1998.
 24. "Securing the Future by Harnessing Change," Invited General Session Presentation, National Delta Pi Epsilon Research Conference, Louisville, Kentucky, November 19-20, 1998.
 25. ♦ "Research Training Session: Using the Critical-Incident Technique for Research," (Co-authored with Donna H. Redmann, Louisiana State University, and Wanda L. Stitt-Gohdes, University of Georgia), National Delta Pi Epsilon Research Conference, Louisville, Kentucky, November 19-20, 1998.
 26. ♦ "Job Task Analysis Approaches for Microcomputer Application Curriculum Development," (Assisted by Li-Huei Sheng). National Delta Pi Epsilon Research Conference, Louisville, Kentucky, November 19-20, 1998.
 27. ♦ "Primary Computer Users: Learning the Ropes in the Workplace," (Co-authored with D. H. Redmann and W. L. Stitt-Gohdes). Manuscript presented at the National Association for Business Teacher Education (NABTE) Research Conference, National Business Education Association Conference, April 8, 1998, San Antonio, Texas.
 28. ♦ "Computer Problem-Solving Approaches Reported by Primary Computer Users" (Co-authored with D. H. Redmann and W. L. Stitt-Gohdes). Manuscript presented at the American Educational Research Association convention, Business Education/Information Systems SIG, March 27, 1997, Chicago, Illinois.
 29. ♦ "Learning the Ropes in the Workplace by Primary Computer Users--Organizational Socialization and Adaptation" (co-authored with D. H. Redmann and W. L. Stitt-Gohdes). Paper presented at the Academy of Human Resource Development, 1997 Annual Conference, February 1997, Atlanta, Georgia.
 30. ♦ "Utilization of On-the-Job Experiences in Developing Leadership Capabilities" (Co-author with C. R. Hopkins, C. Finch, and J. Moss). Paper presented at the American Vocational Education Research Assoc. session of the American Vocational Association Conference, December 1996.

31. ♦ “Organizational Socialization and Adaptation: Learning the Ropes in the Workplace by Primary Computer Users” (co-authored with D. H. Redmann and W. L. Stitt-Gohdes). Paper presented at the 1996 Delta Pi Epsilon National Research Conference, November 14-16, 1996, Indianapolis, Indiana.
32. ♦ “Research Questions for School-to-Work Transitions.” Research Training Workshop General Session Presentation at the 1996 Delta Pi Epsilon National Research Conference, November 14-16, 1996, Indianapolis, Indiana.
33. “Web Sites as Instructional Tools for School and Community Audiences,” National Educational Computing Conference, June 11-13, 1996, Minneapolis, MN (with J. Kimberly Ballard, UM Graduate Student)
34. “Internet in Business Courses: High School, Technical College and Community College,” National Educational Computing Conference, June 11-13, 1996, Minneapolis, MN (Panel with Mary Stromberg [Anoka HS], Elizabeth Hepburn [North Hennepin CC], and Harriet Dock [Anoka-Hennepin TC])
35. ♦ “Two Measurement Tools for Developing Leadership in Vocational Education and Preliminary Report of On-the-Job Experiences for Developing Leadership Attributes,” Annual Meeting of the American Educational Research Association, April 18-22, 1995, San Francisco, California.
36. “This We Believe About the Evolving Vision of Education for Business,” PCBEE Information Session, National Business Education Association Convention, April 12-15, 1995, San Francisco, California.
37. ♦ “Two Measurement Tools for Developing Leadership in Business Education”, Delta Pi Epsilon National Research Conference, November 10-12, 1994, Philadelphia, Pennsylvania.
38. ♦ "The Social Context of Using Applications Software as Cognitive Enhancers: A Cultural Psychology Perspective," American Educational Research Association, April 12-17, 1993, Atlanta, Georgia
39. ♦ "Beyond Drills and Tutorials--Encouraging Higher Order Thinking through Computer Based Tools," The Tenth International Conference on Technology and Education, March 21-24, 1993, Massachusetts Institute of Technology, Cambridge, Massachusetts
40. ♦ "Problem Identification in Research About Teaching Problem Solving," Invitational Presentation as Coordination of Project Enterprise, the on-site research activity at the National Delta Pi Epsilon Research Conference, November 12-14, 1992, Los Angeles, California

41. ♦ "Beyond Multiple Choice--Encouraging Higher-Order Thinking through Computer-Based Drills," International Society for Technology in Education/National Education Association, October 1-4, 1992, Denver, Colorado
42. ♦ "Evaluation of Using Spreadsheet Software To Teach Business Mathematics Concepts," The 12th ECOO and The 8th ICTE Joint Conference, May 3-10, 1991, Toronto, Canada
79. ♦ "Using Spreadsheets to Teach Business Math Concepts," Minnesota Educational Computing Conference and Workshops, Hyatt Regency Hotel, Minneapolis, Minnesota, November 17-20, 1990.
80. "Researcher/Team Leader, "Project Columbus," at the Delta Pi Epsilon National Research Conference, Hyatt on Capitol Square, Columbus, Ohio, November 15-17, 1990.
81. "Teacher Education in Curricular Areas I", Association of Teacher Educators 70th Annual Meeting, Las Vegas, Nevada, February 5, 1990.

Prior to 1990: 31 presentations

II. DISCIPLINED INQUIRY

B. Presentations of Disciplined Inquiry

2. After Joining the University of Minnesota Faculty (Continued)

b) REGIONAL

Prior to 1990: 27 Presentations

c) STATE

"Issues and the Vision for the Future of Business Education," Spring Conference of Minnesota Business Educators, Inc., April 21, 2006, Eagan, Minnesota.

"Trends and Issues in Business Education," Spring Conference of Minnesota Business Educators, Inc. Dakota Country Technical College, April 15, 2005, Rosemount, Minnesota.

"Update on Business Teacher Licensing in Minnesota," Winter Conference of Minnesota Business Educators, Anoka High School, March 8, 1997, Anoka, Minnesota.

“Internet User’s Guide and Activities for Minnesota Business Teachers” (with N. Brandt, L. BeMent, and W. Murphy). Fall Conference of Minnesota Business Educators, October 5, 1996, Rochester, Minnesota.

“Approaches to Teaching Spreadsheet Applications,” Fall Conference of Minnesota Business Educators, Inc., Mahanomen, MN, September 28-30, 1995.

“New Directions for Business Education,” Fall Conference of Minnesota Business Educators, Inc., Grand Rapids, MN, September 29 - October 1, 1994.

"Articulating Administrative Management Programs between Minnesota Community College and the University of Minnesota," Fall Retreat of Minnesota Community College Teachers, Bay Lake, MN, October 19, 1993.

"The Problem of Teaching Problem Solving in Business Education," Minnesota Business Educators, Inc., Fall Conference, Eden Prairie High School, October 18, 1990.

Prior to 1990: 31 Presentations

d) LOCAL

- "Curriculum Update in Business," Anoka Hennepin Business Teachers, Anoka, Minnesota, November 14, 2005.
- "Using Web-Based Training in Regular Computing Classrooms," Phi Chapter, University of Minnesota, Delta Pi Epsilon Fall Meeting, St. Paul, MN, November 8, 2002. (With J. Horazdovsky, Anoka Ramsey Community College, Coon Rapids, MN)
- "On-the-Job Experiences to Develop Leadership Capabilities," University of Minnesota Chapter of Phi Delta Kappa, St. Paul Student Union, June, 18, 1997.
- "Preliminary Findings: On-the-Job Experiences to Develop Leadership Capabilities," (With C. R. Hopkins). University of Minnesota Chapter of Phi Delta Kappa, Jax's Restaurant, Minneapolis, May 15, 1997.
- "What is Available on the Internet?" Presentation to the Minnesota Chapter of the International Interactive Communications Society, October 12, 1995, Minneapolis, MN. (With S. Hooper)
- "Using the Internet in Business Education," Workshop for Business Teachers, St. Paul Public Schools, Earl Brown Center, St. Paul, MN, March 31, 1995.
- "Interdisciplinary Models of Curriculum Integration," Fall Dinner Meeting, Metropolitan Division, Minnesota Business Educators, Inc., Minneapolis, MN, December 7, 1994.
- "Issues in Preparing Students for Employment," Network of Executive Women, Coon Rapids, MN, February 11, 1994.
- "Using Spreadsheets to Teach Business Content," MECC/University of Minnesota Center for the Study of Educational Technology Spring Symposium, MECC Corporate Office, May 21, 1990.
- "Teaching Business Subjects Overseas," University of Minnesota Phi Chapter of Delta Pi Epsilon, St. Paul, Minnesota, May 2, 1990.
- Storytelling Program at 1990 Siggelkow Leadership Development Retreat, University of Minnesota, Camp St. Croix, Hudson, Wisconsin, April 27, 1990.

Prior to 1990: 43 Presentations

II. DISCIPLINED INQUIRY

C. List of Funded R & D Projects

1. **Prior** to Joining the University of Minnesota Faculty

Title: **Evaluation of Individualized Instruction in Wisconsin Post-Secondary Technical Institutes**

Funding Source: Wisconsin Board of Vocational, Technical and Adult Education and the University of Wisconsin--Madison

Dates: September 1971 through June 1972

Amount: \$30,000.00

Role: Research Associate on ten-month project to evaluate selected business courses in Wisconsin postsecondary-technical institutes which had implemented individualized instructional techniques. Responsibilities included planning evaluation procedures in consultation with the project directors, collecting and analyzing data, and writing final report. Project co-directed by Drs. Russell J. Hosler and Harland E. Samson.

2. **After** Joining the University of Minnesota Faculty

a. **Title:** **Curriculum Design Model for Competency-Based Instruction**

Funding Source: Minnesota Research Coordinating Unit in Vocational Education

Date: 1973-74

Amount: One-quarter time appointment

Role: Preparation of a model and written Curriculum Guide for Vocational Educators Interested in Competency-Based Instruction

b. **Title:** **Evaluation of First-Year Shorthand Achievement**

Funding Source: Department of Vocational and Technical Education

Date: 1975-76

Amount: \$3,590.00

Role: Project director responsible for designing and carrying out the research.

II. DISCIPLINED INQUIRY

C. List of Funded R & D Projects (Continued)

c. **Title:** **Summer Research Grant**

Funding Source: University of Minnesota Graduate School

Date: Summer Session 1977

Amount: \$3,200.00

Role: Completion of data analysis and report writing for Evaluation of First-Year Shorthand Achievement

d. **Title:** **Evaluation of Second-Year Shorthand Achievement**

Funding Source: Department of Vocational and Technical Education

Date: 1976-77

Amount: \$5,689.00

Role: Project director responsible for designing and carrying out the research

e. **Title:** **Follow-up of Beginning Shorthand Students**

Funding Source: Department of Vocational and Technical Education

Date: 1977-78

Amount: \$2,400.00

Role: Project director responsible for designing and carrying out the research

f. **Title:** **Survey of Microcomputer Use in Business Education**

Funding Source: Department of Vocational and Technical Education

Date: 1985-86

Amount: \$1,885.00

Role: Project director responsible for designing and carrying out the research

II. DISCIPLINED INQUIRY (Continued)C. List of Funded R & D Projects (Continued)g. **Title: Postsecondary Secretarial Curricula in Minnesota**

Funding Source: Minnesota State Board of Vocational Technical Education

Date: 1985-86

Amount: \$14,500.00

Role: Co-Director with C. R. Hopkins to design and carry out the curriculum development with aid of a research assistant

h. **Title: IBM Project Woksape--Curriculum Development in Business Education using Business Applications Software (ED-3)**

Funding Source: IBM Project Woksape at the University of Minnesota

Date: 1985-88

Amount: \$60,000.00 (Four IBM PC's, printers, and software during first year of three-year project. Nine IBM XT 286 Computers, one IBM At Computer, four printers, one IBM PC Token-Ring Network during second year of three-year project.)

Role: Project Director

i. **Title: Business Education Computer-Based Curriculum Development**

Funding Source: College of Education

Date: 1985-86

Amount: \$2,582.00

Role: Project director responsible for supervision of data base search activities and acquisition of sample instructional software

j. **Title: IBM Woksape Grant - Software Development**

Funding Source: University of Minnesota, IBM Woksape Project

Date: Summer Session II, 1986

Amount: Faculty Salary

Role: Faculty recipient; full-time work on development of drill software using Lotus 1-2-3 software

II. DISCIPLINED INQUIRY (Continued)C. List of Funded R & D Projects (Continued)k. **Title:** **MECC/University of Minnesota Center for the Study of Educational Technology Assistantship**

Funding Source: Minnesota Educational Computing Corporation (MECC)
Date: Academic Year, 1989-90
Amount: \$21,983
Role: Granted several assistantships to eligible University of Minnesota graduate students with coursework and/or experiences related to educational technology.

l. **Title:** **Evaluation of Using Business Spreadsheet Software to Teach Business Math**

Funding Source: MECC/University of Minnesota Center for the Study of Educational Technology
Date: Academic Year, 1989-90
Amount: \$1,950 + 25% Graduate Assistant for additional \$4,325
Role: Project Director

m. **Title:** **Preparing a Leadership Assessment Instrument for Professional Development (with Jerry Moss and Curtis Finch, Virginia Polytechnic University)**

Funding Source: National Center for Research in Vocational Education
Date: January 1993-December 1993
Amount: \$140,133
Role: Co-Directing of project

II. DISCIPLINED INQUIRY (Continued)

C. List of Funded R & D Projects (Continued)

- n. Title:** Utilizing On-the-Job Experiences for Developing Leadership Capabilities
 (with Jerry Moss and Charles R. Hopkins, U of Minnesota, and Curtis Finch, Virginia Polytechnic University)

- Funding Source: National Center for Research in Vocational Education
- Date: January 1994-December 1994
- Amount: \$118,251
- Role: Project Co-Director

- o. Title:** Organizational Socialization and Adaptation: Learning the Ropes in the Workplace by Primary Computer Users (with Wanda Stitt-Gohdes, University of Georgia, and Donna Redmann, Louisiana State University)

- Funding Source: Delta Pi Epsilon National Research Foundation
- Date: December 1, 1994 - December 31, 1996
- Amount: \$11,491
- Role: Project Co-Director

- p. Title:** Office Workplace Computer Uses Survey (with Joan Flood, Instructor/Advisor in the Office Systems Specialist Program, St. Paul Technical College, and Pat Rogers, Doctoral Student, Instructional Systems and Technology)

- Funding Source: Dept. of Work, Community, and Family Education
- Date: September 15, 1995-June 15, 1996
- Amount: \$750
- Role: Project Director

- q. Title:** Developing Employment-Related Technology Skills

- Funding Source: National Center for Research in Vocational Education
- Date: January 1998-December 1998
- Amount: \$115,000
- Role: Project Director

II. DISCIPLINED INQUIRY (Continued)C. List of Funded R & D Projects (Continued)

- r. **Title:** **Director, Minnesota Site for the National Center for Research in Vocational Education**
- Funding Source: National Center for Research in Vocational Education
Date: January 1999-December 1999
Amount: \$153,082.86
Role: Site Director
- s. **Title:** **College and University Affiliated Program, Partnership Between The University of Minnesota and the Hong Kong Institute of Education**
- Funding Source: U.S. Information Agency and the College and University Affiliations Program
Directors: John J. Cogan (UM) and David Grossman (HKIEd)
Date: January 2000-December 2002
Amount: \$120,000
Role: Participant responsible for distance learning components
- t. **Title:** **Multidimensional Citizenship Education between the Hong Kong Institute of Education and the College of Education and Human Development at the University of Minnesota**
(also listed under Instructional Development)
- Funding Source: University of Minnesota Technology Enhanced Learning (TEL) Small Grants Program
Co-Directors: John J. Cogan and Judith J. Lambrecht
Date: 2000-2001 Academic Year
Amount: \$10,000
Role: Responsible for creation and management of on-site server for distance-learning components of CAUP grant.

II. DISCIPLINED INQUIRY (Continued)

C. List of Funded R & D Projects (Continued)

**u. Title: Assessment of Trends, Assumptions And Desirability Of Future Actions
Regarding Business Education and Business Teacher Education**

Funding Source: Delta Pi Epsilon Research Foundation

Co-Directors: Judith J. Lambrecht and Cyril Kesten

Date: June 1, 2005 – June 30, 2007

Amount: \$3,500

Role: Responsibility for conducting Delphi research project to determine trends, assumptions and proposed actions affecting the field of Business Education.

III. INSTRUCTION

A. Teaching

1. University of Minnesota - Regular and Special Service/Extension Teaching

(Courses currently being taught are in bold.)

BME 1509 Office Machines and Procedures (3 cr)

BME 5112 Prog. Devel. in Business Education: Machine Shorthand (2 cr)

BME 5112 Prog. Devel. in Business Education: Century 21 Shorthand (2 cr)

BME 5150 Research and Methods in Teaching Accounting (4 cr)

BME 5159 Word Processing Concepts and Management (4 cr)

BME 5158 Office Management Techniques and Technology (4 cr)

BIE 5015 (BME 5160; BIE 5012) Advanced Word Processing Practicum (3 cr)

BIE 5011 (BIE 5010; (BME 5310; BIE 5011) Intro to Computer Applications (3 cr)

BME 5320 Business Programming Applications Using Microcomputers (3 cr)

BIE 5020 (BME 5330; BIE 5013) Spreadsheet Applications in BME (3 cr)

BIE 5025 (BME 5335; WHRE 5628) Teaching Microcomputer Business Graphics (3 cr)

BIE 5030 (BME 5345; BIE 5014) Data Base Applications in BME (3 cr)

BIE 5015 (former BIE5040, BME 5365; BIE 5015) Integ. Computing Applications in BME (3 sem cr)

BME 5350 Business Data Processing: Content and Teaching Methods (4 cr)

BME 5357 Research Procedures in Business and Marketing Education (4 cr)

BME 5360 Prog. Devel. in BME: Office Work Standards (2 cr)

BME 5360 Prog. Devel. in BME: Teaching Business Communication (2 cr)

BME 5360 Prog. Devel. in BME: Computer Applications in the Classroom (2 cr)

BME 5360 Prog. Devel. in BME: Program Promotion in BME (2 cr)

BME 5360 Prog. Devel. In BME: Recruiting and Retaining Students (2 cr)

BME 5360 Prog. Devel. in BME: Teaching Grammar (2 cr)

BME 5360 Prog. Devel. in BME: Teaching Transcription (2 cr)

BME 5360 Prog. Devel. in BME: Teaching Business Math (2 cr)

BME 5360 Prog. Devel. in BME: Microprocessors in BME (2 cr)

BME 5360 Spec. Topics in Instruc: Using Microcomputers in Teaching Accounting (2 cr)

BME 5370 Spec. Topics in Instruc: Using the Micro. in Office Proced. and Model Office (2 cr)

BME 5370 Spec. Topics in Instruc: Microcomputer Basics for Nonvocational Educator (2 cr)

BME 5370 Spec. Topics in Instruc: Transcription and Business English (3 cr) For SSI 1986

BME 5390 Spec. Topics in Tech: Advanced Microcomputer Applications in BME (2 cr)

BME 5390 Spec. Topics in Tech: Data File Programming (2 cr)

BME 5390 Spec. Topics in Tech: Business Graphics Using Micro (3 cr)

BME 5390 Spec. Topics in Tech: Data Base Applications in BME (3 cr)

BIE 5475 (BME5400) Curriculum Development Business and Marketing Education (3 Sem cr)

BIE 5457 (BME 5157) Methods of Teaching for Business Employment (3 Sem cr)

BIE 5662 (BIE 5490) Computer Training in School and Industry Settings (3 cr)

BIE 5490 Developing Web-Based Instructional Materials (3 cr)

BIE 5605 Critical Issues in Business and Industry Education (3 cr)

VoEd 5100 Spec. Topics in Instruc: Microcomputer Appl. in Vocational Education (1 or 2 cr)

VoEd 5451 Microcomputer Instructional Utility Software (3 cr)

VoEd 5110 Spec. Topics in Instruc: Generating Voc Instruc Materials with Microcomp. (2 cr)

WHRE 5901 Using Research in Work and Human Resource Education (3 Cr)

WHRE 8911 Foundations of Research (3 cr)

WHRE 8912 Quantitative Research in Work and Human Resource Education (3 cr)

WCFE 8160 Critical Issues for Education in Work, Community and Family (3 cr)

WCFE 8990 Research Seminar (1 cr)

CISy 5100 Spec. Topics in Curr. Dsgn: Instruc. Computing for Pre-Service Teachers (3 cr)

CI 5351 (CISy 5208) Computer-Based Applications for Teachers (3 cr)

CI 5335 Introduction to Instruc. Systems and Technology (4 cr)

CI 5331 Introduction to Instructional Systems and Technology (3 Sem cr)

CI 5336 Developing for Multimedia Design and Development (former Principles and Procedures for Design Instruction) (3 Sem cr)

CI 5337 (CISy 5209) Principles and Procedures for Designing Instruction (4 cr)

CI 5145 Curriculum Topics - Microsoft Works for Teachers (1 cr)

CI 5331 Instruc. Systems: Trends and Issues (Using Computer Networks for Teaching (3 cr)

CI 5360 Teaching Via the Internet (4 cr)

CI 5300 Technology for Teaching and Learning (2 Cr)

CI 5335 Introduction to Instruc. Systems and Technology (4 Cr)

2. Overseas Teaching through Continuing Education and Extension

Courses Taught all related to Instructional Computing Applications

Wiesbaden, West Germany, DoDDS Workshop	August 6-17, 1984
Ankara, Turkey, DoDDS Workshop	February 2-16, 1985
Azores, Portugal, DoDDS Workshop	January 31 - February 15, 1986
Madrid, Spain, DoDDS Workshop	January 31 - February 15, 1987
Madrid, Spain, DoDDS Workshop	August 12-21, 1987
Ankara, Turkey, DoDDS Workshop	March 6 - 17, 1989
England DoDDS Workshop	June 19 - 30, 1989
Philippines DoDDS Workshop	March 12 - 23, 1990
Madrid, Spain, DoDDS Workshop	June 19 - 30, 1990
Okinawa, Japan, DoDDS Workshop	December 2 - 14, 1991

III. INSTRUCTION (Continued)

B. Advising

1. Undergraduate

Currently the B.S. degree in Business and Marketing Education is advised by a P&A staff position supervised jointly by faculty in Business and Marketing Education and Human Resource Development. As Director of Undergraduate Studies, I supervise this staff member.

1973-1996: Advising and placement of approximately 10 student teachers per year. Undergraduate advising in Business Education is shared among the three staff members. There have been approximately 40 undergraduates to advise each year.

As of Fall 1996, undergraduate programs will no longer be available in either Business and Marketing Teacher Preparation nor Administrative Management and Training. This advising has been replaced with the M.Ed. Initial Licensure Program in which approximately 30 students are enrolled.

III. INSTRUCTION (Continued)

B. Advising

2. Graduates

Year/Activity	MED	MA	EdD	PhD
Prior Tally from 1974-1989 Removed				
1990	<hr/>			
Graduated	7	1		2
1991	<hr/>			
Graduated	2	0		0
1992	<hr/>			
Graduated	2			
1993	<hr/>			
Graduated	0	2		1
1994	<hr/>			
Graduated				
	BME	1	1	3
	CI			
1995	<hr/>			
Graduated				
	BME	3		
	CI		1	
1996	<hr/>			
Graduated				
	BME	2		
	CI	2		1

2. Graduates - Continued

Year/Activity	MED	MA	EdD	PhD
1997	<hr/>			
Graduated				
BME	3			2
CI	5	2		
1998	<hr/>			
Graduated				
BME	21			1
CI	5			
1999	<hr/>			
Graduated				
BME	8			1
CI	3			
2000	<hr/>			
Graduated				
BME	11			1
CI				
2001	<hr/>			
Graduated				
BME	7		2	
CI				1
2002	<hr/>			
Graduated	10			
BME				
CI				

2. Graduates - Continued

Year/Activity	MED	MA	EdD	PhD
2003	Graduated 15			
2004	Graduated 12			
2005	Graduated 13			
2006	Graduated 8			
2007	Graduated 14			
2010	Graduated			2
2012	Graduated			1
2014	Graduated			2
=====				
TOTAL GRADUATED	166	24	1	27
=====				

III. INSTRUCTION (Continued)

C. Instructional Development

1. Undergraduate/Graduate Program Proposal Developed

2007-2008: First time teaching of WHRE 8911 Foundations of Inquiry.

2006-2007: Updating of two courses being taught over ten years ago, WHRE 5901 Using Research in WHRE and WHRE 8912 Quantitative Research in WHRE.

2005-2006: Development of Special Topics course in Web Development in Business and Marketing Education, now being formalized into a regular course proposal in 2007.

2004-2005: Revision of teaching practices in BIE 5011 Intro to Computer Applications; assessment of SAMS tutorial and assessment software; development of student project activities.

2002-2003: Program revisions to Initial Licensure/M.Ed. program in Business and Marketing Education: merger of content from BIE 5401 Intro to BME into BIE 5475 Curriculum Development in BME; addition to program of BIE/HRD 5662 Computer Training in School & Industry Settings.

2001-2003: Undergraduate degree specialization in Business and Marketing Education within the existing B.S. degree in Business & Industry Education, Spring 2001, contingent approval by Dept. of Work, Community and Family Education, dependent upon advising funds. Final Approval, Fall 2001 for implementation Fall of 2003.

2000-2001: Management of Business and Marketing Education Program Review, NCATE and Minnesota Board of Teaching.

1990-1992: Development of Post-Baccalaureate/M.Ed. Initial Licensure Program in Business and Marketing Education.

1988-90: Revised Office Systems Management and Comprehensive Business Education Undergraduate degree programs, Fall 1988. (Revised undergraduate program in preparation for proposed post-baccalaureate business teacher preparation in 1990.)

1983-1984: Office Systems Management proposal for new undergraduate degree beginning Fall Quarter, 1984

2. Course Proposals Accepted/Courses Revised and Taught (Since Fall 1973)

- BME 1509 Office Machines and Procedures (3 cr)
 BME 5112 Prog. Devel. in Business Education: Machine Shorthand (2 cr)
 BME 5112 Prog. Devel. in Business Education: Century 21 Shorthand (2 cr)
 BME 5150 Research and Methods in Teaching Accounting (4 cr)
 BME 5159 Word Processing Concepts and Management (4 cr)
 BME 5158 Office Management Techniques and Technology (4 cr)
 BME 5160 Word Processing Practicum (2 cr)
 BME 5310 Intro to Microcomputer Applications in BME (3 cr)
 BME 5320 Business Programming Applications Using Microcomputers (3 cr)
 BME 5330 Spreadsheet Applications in BME (3 cr)
 BME 5335 Teaching Microcomputer Business Graphics (3 cr)
 BME 5345 Data Base Applications in BME (3 cr)
 BIE 5015 Integrated Microcomputer Applications (3 sem cr)
 BME 5350 Business Data Processing: Content and Teaching Methods (4 cr)
 BME 5357 Research Procedures in Business and Marketing Education (4 cr)
 BME 5360 Prog. Devel. in BME: Office Work Standards (2 cr)
 BME 5360 Prog. Devel. in BME: Teaching Business Communication (2 cr)
 BME 5360 Prog. Devel. in BME: Computer Applications in the Classroom (2 cr)
 BME 5360 Prog. Devel. in BME: Program Promotion in BME (2 cr) and Recruiting and Retaining Students (2 cr)
 BME 5360 Prog. Devel. in BME: Teaching Grammar (2 cr)
 BME 5360 Prog. Devel. in BME: Teaching Transcription (2 cr)
 BME 5360 Prog. Devel. in BME: Teaching Business Math (2 cr)
 BME 5360 Prog. Devel. in BME: Microprocessors in BME (2 cr)
 BME 5360 Spec. Topics in Instruc: Using Microcomputers in Teaching Accounting (2 cr)
 BME 5365 Integrated Computing Applications in BME (3 cr) (NEW, Spring 1993)
 BME 5370 Spec. Topics in Instruc: Using the Microcomputer in Office Procedures and in the Model Office (2 cr)
 BME 5370 Spec. Topics in Instruc: Microcomputer Basics for the Nonvocational Educator (2 cr)
 BME 5370 Spec. Topics in Instruc: Transcription and Business English (3 cr)
 BME 5390 Spec. Topics in Tech: Advanced Microcomputer Applications in BME (2 cr)
 BME 5390 Spec. Topics in Tech: Data File Programming (2 cr)
 BME 5390 Spec. Topics in Tech: Business Graphics Using Microcomputers (3 cr)
 BME 5390 Spec. Topics in Tech: Data Base Applications in BME (3 cr)
 BIE 5401 Intro to Business and Marketing Education (3 Sem cr)
 BIE 5452 (BME 5152) Methods of Teaching Business Concepts (4 cr)
 BIE 5457 (BME 5157) Methods of Teaching for Business Employment (3 Sem cr)
 BIE 5490 Computer Training in School and Industry Settings (3 cr) for SSII 1997
 BIE 5490 Developing Web-Based Course Materials (3 Cr) Wtr. 1999

- VoEd 5100 Spec. Topics in Instruc: Microcomputer Applications in Voc. Educ. (1 or 2 cr)
 VoEd 5451 Microcomputer Instructional Utility Software (3 cr)
 VoEd 5110 Spec. Topics in Instruc: Generating Voc. Instruc. Materials with Computers (2 cr)
- CISy 5100 Spec. Topics in Curr. Dsgn: Instruc. Computing for Pre-Service Teachers (3 cr)
 CISy 5208 Computer-Based Applications for Teachers (3 cr)
 CI 5145 Curriculum Topics - Microsoft Works for Teachers (1 cr)
 CI 5331 Instruc. Systems: Trends and Issues (Using Computer Networks for Teaching (3 cr)
 CI 5331 Introduction to Instructional Systems and Technology (3 Sem cr)
 CI 5336 Planning Multimedia Design and Development (formerly titled Principles and Procedures for Design Instruction) (3 Sem cr)
 CI 5337 Planning for K-12 Technology Design and Integration (3 Sem cr)
 CI 5360 Teaching Via the Internet (3-4 Cr)
 CI 5330 Technology for Teaching and Learning (2 Cr)
 CI 5335 Introduction to Instruc. Systems and Technology (4 Cr)

III. INSTRUCTION (Continued)

D. List of Funded Training Projects

1. Title: **Computer Literacy Course for Pre-Service Teachers**

Funding Source: University of Minnesota, Educational Program Development
 Dates: July - August 1983
 Amount: \$6,600.00
 Role: Co-director with Carol Carrier to develop advanced computer literacy course integrating concepts of curriculum design, learning style differences, and computer-based instruction.

IV. SERVICE (Current in Bold)**A. Internal****Division of Business and Industry Education****2002-2009 - Program Head of Business and Marketing Education**

1995-2001 - Coordinator of BME Program and Fourth Floor Manager

1995-Present - Advisor to Phi Chapter of Delta Pi Epsilon

1987-89 - Coordinator of Undergraduate Business Education Advising

1985-95 - Co-Sponsor/Advisor to Phi Chapter of Delta Pi Epsilon

1975-77 - Advisor to Collegiate Office Education Association

1974-87 - MEd Program Review Committee

1973-89 - Coordinator of Student Teaching in Business Education

Department of Work and Human Resource Education**2007-09 – Curriculum Council, Undergraduate Programs****2006-09- Director of Undergraduate Education****2006-07 - Graduate Studies Committee****2006-07 - Search Committee, HRD/BME Position**

2000-01 - Chair, Search Committee, HRD/ICP Advisor

1998-01 - Graduate Studies Committee

1998-01 - Technology Committee

1993-01, 2002-05 - Teacher Education Committee

1997 Charles Hopkins Recognition Event Committee

1998-99 - Alternate, Consultative Committee

1994-95 - Review of the Promotion and Tenure Process Committee

1993-94 - Integration of Acad and Voc Educ (Joint with Dept. of C&I), Chair

1993-96 - Graduate Studies Committee

1992-93 - Educational Programs Committee

1989-90, 1990-91 - Outstanding Civil Service Award Committee, Chair

1987-88 - Chair, Promotion Review Committee for Ruth Thomas

1986-89 - Task Force for Post-Baccalaureate Program Redesign

1986-87 - Teacher Education Program Redesign Task Force

1985-86 - Dossier Committee for Jane Plihal, Home Economics Education

1985-86 - Microcomputer in Vocational Education Conference Planning Committee

1982-84 - Supervisor Training Task Force

1981-87 - Instructional Resources Committee

1981-82 - Computer Task Force (Chair)

1978-79 - Educational Programs Committee (Chair)

1977-78 - Curriculum Development Specialist Committee

IV. SERVICE

A. Internal (Continued)

Department of Work and Human Resource Education (Continued)

1976-78 - Metric Committee
1975-79 - Policy Committee
1975-76 - Search Committee, Distributive Education Asst. Prof.
1974-76, 1981-82, 1985-86 - Grievance Committee (Chair 1981-82)
1974-75 - Internal Advisory Committee for EPD 533 Project, Vocational Teacher Competencies
1974-75 - Committee for the Design of a Faculty Instructional Evaluation System
1974-75 - Search Committee, Industrial Education (2 Asst. Prof.)
1973-75, 1984-88, 1988-91 - Educational Programs Committee Chair, 1988-89

Department of Curriculum and Instruction

1993-96, 2000-01, 2002-03 - Technology Committee
1993-95 - Graduate Studies Committee
1993-94 - Peer Review of Teaching Committee, Chair
1993-94 - Integration of Academic and Vocational Education (Joint with Dept. of Vocational and Technical Education), Chair
1993-94 - Search Committee for Two Lecturers

College of Education and Human Development

2007-09 College Grievance Officer
2005-09 – Undergraduate Programs Committee
2006-07 - Steering Committee, Teacher Education Council
2005-07 - Assessment Subcommittee, Teacher Education Council
2005-06 - Undergraduate Teacher Education Committee
2005-06 - Task Force on Teacher Education and Development
2005-06 – Grievance Officer
2003-05 - Promotion and Tenure Review Committee
2004-07 - Committee on Civic Engagement and Service
1994-07 - Teacher Education Council
1994-01 - Committee on Academic Uses of Technology
1997-98 - Search Committee: Instruc. Systems & Technology
1996-97 - Committee for the Review of College Research Courses
1993-94 - Committee on Educational Policy

IV. SERVICE

A. Internal (Continued)

College of Education and Human Development (Continued)

- 1991-94 - University Advisory Committee
- 1990-91 - Committee on Technology Assessment
- 1989-92 - Subcouncil on Graduate Studies, Chair
- 1989-92 - Personnel Policy Committee, Chair
- 1989-90 - College Coordinator, MECC/UM Center for the Study of Educational Technology
- 1989-92 - Administrative Council
- 1988-89 - Foundation Review Team for History, Philosophy and Social Context
- 1987-88 - Dean's Promotion and Tenure Review Committee
- 1986-88 - Dean's Consultative Committee
- 1986-87 - Dean's Promotion and Tenure Review Committee
- 1985, 1986 - Administration and Faculty Planning Retreat, Arrow Wood Lodge, Alexandria, Minnesota, September
- 1985-86 - Curriculum and Instruction (Instruc. Systems Search Committee)
- 1985-87 - Educational Technology Subcouncil
- 1985-86 - Math Education Search Committee
- 1984-88 - Education Policy Committee
- 1981-89 - Subcouncil on Student Progress
- 1981-84 - Personnel Policy Committee
- 1981-85 - Computer Task Force
- 1975-77, 1984-87 - College of Education Senate, Senator-At-Large

University of Minnesota

- 1997-98 - Graduate School Committee on Distance Learning
- 1990-91 - Advisory Committee on Information Resources
- 1990-91 - Search Committee for Chief Information Officer
- 1985-89 - Summer Sessions Committee
- 1983-87 - St. Paul Campus Computer Technology Task Force
- 1980-86 - Committee on the Use of Human Subjects in Research

IV. SERVICE

B. External

1. Professional Organizations

a) NATIONAL/INTERNATIONAL

Review Board for The Journal of Research in Business Education (formerly The Delta Pi Epsilon Journal), 2009-2016.

TAG – The Agnew Group, Leaders in Business Education (supported by Agnew Foundation Funds, New York University)

Review Board for Research Presentation Proposals, National Delta Pi Epsilon Conference, 2006, 2007

Review Board for Journal of Global Business Education, 2006 - 2008

Policy Commission for Business and Economic Education, Ex-officio appointment as DPE Nat'l President, June 1, 2004- July 31, 2005

National President, Delta Pi Epsilon, 2004-2005

National Vice President, Delta Pi Epsilon, 2002-2003

Review Board for Journal of Education for Business, 2001-2003

Review Board for the 2003, 2009, 2014 National Business Education Association Yearbook

Policy Commission for Business and Economic Education, 3-year appointment as Delta Pi Epsilon Representative, June 1, 2000 - May 31, 2002-2002

Review Board – Delta Pi Epsilon National Dissertation Research Award, 2001

Review Board for the 2001 National Business Education Association Yearbook

National Treasurer, American Vocational Education Research Association, 1997-2000

Review Board - Vocational Educational Research SIG, AVA, 1999, 2000

Editorial Board - Journal of Vocational Education Research, 1996-2000.

Review Board - Delta Pi Epsilon Journal, 1991-2002.

Discussant, American Educational Research Association Annual Meeting, Business Education and Information System SIG, New York City, April 8-12, 1996.

Review Board - Journal of Business Education and Training (Formerly the Louisiana Business Education Journal), 1993-99

Review Board, Business Education and Information Systems SIG, 1998 AERA Conference

Review of World Wide Web for Teachers: An Interactive Guide by Cafolla, Kauffman, and Knee for Allyn & Bacon

Policy Commission for Business and Economic Education, 3-year appointment as Delta Pi Epsilon Representative, June 1, 1993 - May 31, 1996

Review Board - Journal of Vocational Education Research, 1991-1996.

Discussant, American Educational Research Association Annual Meeting, Business Education and Information System SIG, San Francisco, California, April 18-22, 1995

Chair, Subcommittee to Prepare Policy Statement for the Evolving Vision of Education for Business, Policy Commission for Business and Economic Education, 1994-1995.

Chair, Research Project Committee for National Research Project Designed to Identify Computer End-User Competencies, National Delta Pi Epsilon Research Conference, Philadelphia, Pennsylvania, November 10-12, 1994.

Chair, Research Proposal Writing Committee for seeking funding from the Delta Pi Epsilon Research Foundation, Spring, 1994.

Facilitator, Business and Office Education Roundtable, American Vocational Association National Conference, Nashville, TN, December 5, 1993

Candidate, National Vice President of Delta Pi Epsilon, National Council Meeting, Kansas City, MO, November 18-21, 1993.

Coordinator, Enterprise Los Angeles, 1992 National Delta Pi Research Conference, Los Angeles, California, November 12-14, 1992.

Discussant, American Educational Research Association Annual Meeting, Business Education and Information System SIG, San Francisco, California, April 20-24, 1992.

Prior to 1990: 23 Items

IV. SERVICE (Continued)

B. External

2. Consulting

External evaluator, Board of Regents of the State of Louisiana, redesigned program in Business Education Program and Marketing Education Program developed for a Bachelor of Science in Vocational Education degree for Louisiana State University and A & M College, November-December 2007.

Consultant to Mathematica Policy Research, Inc. and National Center for Career and Technical Education Research on Math-Enhanced Career And Technical Education Proposal Review, January-March, 2007.

External Promotion and Tenure reviews for Arizona State University, Louisiana State University, New York University, Southern Illinois University, University of Georgia, University of South Carolina, Utah State University.

External Reviewer, Dept. of Workforce Education & Development, Southern Illinois University, Carbondale, IL, 2002-2003, October 16-18, 2002.

Research Consultant, Thomson/NETg, Naperville, IL Sept-Nov, 2002.

Review of World Wide Web for Teachers: An Interactive Guide by Cafolla, Kauffman, and Knee for Allyn & Bacon, 1996

Consultation to Allyn & Bacon on Internet instructional materials, March 1995.

Consultation to Seward Learning, Inc. on materials development for inventory control and management, Summer 1994.

Consultation to Seward Learning, Inc. on IBM hardware and software installation and use. Fall-Spring, 1993-94

Consultation to Inver Grove Heights, Sibley Senior High School, Business Education PER meeting, March 8, 1993

Consultation to Gleason Consulting about content for proposed textbook series for teaching spreadsheet applications, January 1-15, 1993.

Prior to 1990: 20 Items

V. OTHER ACTIVITIES

A. Professional Development

(Excluding local, state, and regional meetings of professional associations. See end of list of summary of national conference attendance.)

Prior to 1990: 32 Items

Sabbatical, June 2001-August 2002, R&D Researcher at Thomson/NETg Corporation, based in Naperville, IL.

Attendance at and session convenor, Department of WCFE Conference, The New Millennium: Upgrade Now, University of Minnesota, St. Paul, April 25, 1998.

Attendance at Minnesota Graduation Rule Updating Sessions, Earl Brown Center, University of Minnesota, St. Paul, March 9 and May 4, 1998.

Attendance at Fourth Annual Showcase Minneapolis Forum, Minneapolis School-to-Work/Career Transition, Minneapolis Convention Center, August 18, 1997.

Attendance at "Creating a Future: Ensuring A Legacy," An Invitation Summit for Vocational Teacher Education, Loews Coronado Bay Resort, San Diego, CA, October 21-23, 1995.

Attendance as a Guest at The Great Technology Get-Together '94 sponsored by MECC and TIES, Minneapolis, MN, November 19-22, 1994.

Single-Quarter Leave, Fall 1992, Granted after completion of term as Associate Dean in the College of Education.

Attendance at the American Association of Colleges for Teacher Education Conference, San Antonio, Texas, February 25-28, 1992.

Attendance at the American Association of Colleges for Teacher Education Conference, Atlanta, Georgia, February 27-March 3, 1991.

Attendance at the American Association of Colleges for Teacher Education Conference, Chicago, Illinois, February 21-24, 1990.

Attendance at the American Association of Teacher Educators, Las Vegas, Nevada, February 5-7, 1990.

Attendance at the Dean's Distance Learning Consortium Meeting, St. Louis, Missouri, December 8-9, 1990.

Summary of National Conference Attendance:

Attendance at the Association for Education Communications and Technology conference:

Dallas, Texas, November 14-17, 2002
 Denver, Colorado, October 26-28, 2000
 Anaheim, California, February 9-12, 1995
 Nashville, Tennessee, February 16-20, 1994

Attendance at the National Business Education Association national conference:

New Orleans, LA, April 15-19, 2009
 San Diego, CA, April 16-20, 2008
 New York City, April 3-7, 2007
 Tampa, FL, April 12-15, 2006
 Anaheim, CA, March 20-26, 2005
 Chicago, IL, April 5-10, 2004
 Dallas, TX, April 16-29, 2003
 Philadelphia, PA, April 24-30, 2002
 Atlanta, GA, April 11-14, 2001
 Anaheim, California, April 19-22, 2000
 San Antonio, Texas, April 8-11, 1998
 New Orleans, LA, March 31-April 2, 1996
 San Francisco, California, April 10-14, 1995
 Kansas City, Missouri, March 26-April 1, 1994
 Chicago, Illinois, March 22-25, 1989

Denver, Colorado, March 30 - April 2, 1988.
 Boston, Massachusetts, April 14-18, 1987.
 Hollywood, Florida, March 25-29, 1986.
 Las Vegas, Nevada, April 2-6, 1985.
 Chicago, Illinois, April 18-21, 1984.
 San Antonio, Texas, April 4-8, 1983.
 Washington, D.C., April 13-17, 1982.
 New Orleans, Louisiana, April 15-17, 1981.
 Las Vegas, Nevada, April 2-5, 1980.
 Chicago, Illinois, April 11-14, 1979.
 Denver, Colorado, March 21-25, 1978.
 New York City, April 5-9, 1977.
 San Francisco, California, April 14-17, 1976.
 Chicago, Illinois, April 17-20, 1974

V. OTHER ACTIVITIES (Continued)A. Professional Development (Continued)

(Excluding local, state, and regional meetings of professional associations)

Summary of National Conference Attendance: (Continued)Attendance at the **National Delta Pi Epsilon Research Conference:**

San Diego, CA, Nov. 17-19, 2009	Los Angeles, CA, Nov. 12-14, 1992.
Chicago, IL, Nov. 20-22, 2008	Columbus, OH, Nov. 15-17, 1990.
New Orleans, LA, Nov. 15-18, 2007	Ft. Worth, TX, Nov. 10-12, 1988.
Bloomington, MN, Nov. 16-18, 2006	Chicago, IL, Nov. 12-15, 1986.
Cincinnati, OH, Nov. 17-19, 2005	Denver, CO, Nov. 8 - 10, 1984.
Washington, DC, Nov. 18-20, 2004	St. Louis, MO, Nov., 1982
Indianapolis, IN, Nov. 20-22, 2003	Minneapolis, MN, Nov., 1980
Cleveland, OH, Nov. 21-23, 2002	(Conference Chair)
Nashville, TN, Nov. 15-17, 2001	Pittsburgh, PA, Nov., 1978
Columbus, OH, Nov. 16-28, 2000	Chicago, IL, Nov., 1976
Louisville, KY, Nov. 19-21, 1998	Denver, CO, Nov. 13-15, 1974.
Indianapolis, IN, Nov. 14-16, 1996	
Philadelphia, PA Nov. 10-12, 1994	

Attendance at the **American Educational Research Association** national convention:

Montreal, Canada, April 19-23, 1999
Chicago, Illinois, March 25-28, 1997.
New York City, April 8-12, 1996.
San Francisco, California, April 18-22, 1995.
Atlanta, Georgia, April 12-17, 1993.
San Francisco, California, April 20-24, 1992.
Chicago, Illinois, April 3-7, 1991.
Los Angeles, California, April 13-14, 1981.
Toronto, Canada, March 26-31, 1978.
New York City, April 4-8, 1977.

Summary of National Conference Attendance: (Continued)

Attendance at the **Association for Career and Technical Education** (formerly the **American Vocational Association**) national convention:

Las Vegas, NV, December 10-12, 2004
Orlando, Florida, December 2003
Orlando, Florida, December 11-15, 1999
New Orleans, Louisiana, December 9-13, 1998
Las Vegas, Nevada, December 10-14, 1997
Nashville, Tennessee, December 2-5, 1993
New Orleans, Louisiana, November 30 - December 4, 1984.
Dallas, Texas, December 1-3, 1978.
Atlantic City, New Jersey, December 2-7, 1977.
New Orleans, Louisiana, December 4-6, 1974.

V. OTHER ACTIVITIES

B. Awards

- ◆ Recipient of Outstanding Research Award at the National Delta Pi Epsilon Research Conference, November 19, 2009, for “Future Directions for Business Education: A Delphi Study,” Co-authored with Cyril Kesten.
- ◆ Recipient of the John Robert Gregg Award in Business Education from National Business Education Association, Tampa, FL, April 13, 2006.

This is the most distinguished award given in the field of Business Education.

- ◆ Recipient of Russell J. Hosler Award in Business Education from Wisconsin Business Education Association, Wausau, WI, September 23, 2005.

While not a requirement for receiving this award, I was recognized as also being one of Russell J. Hosler’s doctoral graduates from the University of Wisconsin.

- ◆ Doctoral Advisee, Sandra Braathen (2000) awarded Delta Pi Epsilon National Dissertation Research Award. Presentation made at NBEA Conference, Philadelphia, PA, March 27, 2002.
- ◆ Recipient of Delta Pi Epsilon National Award for Outstanding Independent Research, November, 2001, based on the following article and final research report:

“Developing End-User Technology Skills,” (2000, Spring), INFORMATION TECHNOLOGY, LEARNING, AND PERFORMANCE JOURNAL, 18(1), 7-19. Available Online: <http://www.nyu.edu/education/alt/beprogram/osrajournal/vol18no1.html>

DEVELOPING EMPLOYMENT-RELATED OFFICE TECHNOLOGY SKILLS. (1999, November). Final Report. MDS 1199. Berkeley, CA: National Center for Research in Vocational Education. Available Online:

<http://www.nccte.org/publications/ncrve/mds-11xx/index.html>

- ◆ Received “Best Article” Award for Volume 23 in December 1999 by the American Vocational Education Research Association at the National Conference of the Association for Career and Technical Education meeting in Orlando, Florida. “On-the-Job Experiences of Vocational Administrators that Develop Leadership Capabilities” 1998. JOURNAL OF VOCATIONAL EDUCATION RESEARCH, Vol. 23, No. 1, pp. 35-44. (Co-Authored with C. R. Hopkins, C. R. Finch, & J. Moss, Jr.).

- ◆ Certificate of Appreciation from the Policy Commission for Business and Economic Education, April 2, 1996.
- ◆ Certificate of Appreciate from North Hennepin Community College of Service on the Office Systems Advisory Committee, 1994.
- ◆ Certificate of Appreciation from Minnesota Business Educators, Inc., for serving as the MBEI/NCBEA Regional Convention Co-Chair with Charles Hopkins, April 1991.
- ◆ Minnesota Business Educators, Inc., State Outstanding Post-Secondary Business Educator, May 1990.
- ◆ Minnesota Business Educators, Inc., Metro Division, Outstanding Post-Secondary Business Educator, March 1990.
- ◆ Certificate of Appreciation from Minnesota Business Educators, Inc., for serving as the MBEI Curriculum Projects Chairman, 1988-90. Awarded May 1990.

Prior to 1990: 16 Items Removed

V. OTHER ACTIVITIES (Continued)C. Professional Organizations - Current Memberships

Association for Educational Communications and Technology, 1993-Present.

American Education Research Association, 1972 - 1983, 1989 - Present.

American Vocational Education Research Association, 1975 - Present

Business Education and Information Systems Special Interest Group, AERA, 1972 - Present

Delta Pi Epsilon, Alpha Eta Chapter, 1969 - Present

President, Vice-President, Corresponding Secretary, and Newsletter Editor

Delta Pi Epsilon, Phi Chapter, 1974 - Present

(Co-Sponsor with C. R. Hopkins, 1985 - 1995; Sponsor, 1995-Present)

Delta Pi Epsilon, National Organization, 1969-Present

National President, 2004-2005

National Vice President, 2002-2003

National Secretary, 1986-87

Editor, The DPE Journal, 1982-84, 1984-86

Editorial Review Board, The DPE Journal, 1978-82, 1990-2002

Chair, Nat'l Research Projects Committee, 1980-81

Member, Nat'l Research Projects Committee, 1977-81

Member, DPE Research Foundation Executive Board, 1979-83

Secretary, DPE Research Foundation Executive Board, 1982

Representative to Policy Commission for Business and Economic Education, 1993-96

Minnesota Business Educators, Inc., 1973 - Present

State Secretary, 1977-80

Minnesota Office Systems Association

(formerly Word Processing Association of Minnesota), 1976 - Present

State President, 1978-80

Chair, Program Committee, 1977-78

National Business Education Association, 1966 - Present

Office Systems Research Association, 1980 - Present

Professional Association of Computer Trainers, Minnesota, 1999-Present