

## VITA

### JAMES F. McNAMARA, Ph.D.

**DATE: September 1, 2006**

#### PERSONAL

Birthdate: September 5, 1936  
Birthplace: Pittsburgh, Pennsylvania  
Residence: 4901 Inglewood Court  
College Station, TX 77845  
Home Phone: (979) 690-6412  
Family: Married (1963)/4 children

#### ACADEMIC

Department of Educational Psychology  
Texas A&M University  
College Station, TX 77845-4225  
(979) 845-7588 office  
(979) 862-1256 FAX

#### PROFESSIONAL PROFILE

**James F. McNamara** (Ph.D., Penn State, 1970) is currently a professor at Texas A&M University. He holds graduate faculty appointments in the Department of Statistics (College of Science) and in the Departments of Educational Psychology and Educational Administration (College of Education).

Prior to joining the Texas A&M University faculty in 1976, he held professional appointments in educational administration at Teachers College, Columbia University and in public affairs and administration in the Wallace School of Community Service and Public Affairs at the University of Oregon.

While at Texas A&M University he has been a Visiting Scholar at the University of Michigan (1979) and an Advanced Study Center Fellow at Ohio State University (1980).

During his stay at the University of Oregon he was also a Research Associate for three years in the Center for the Advanced Study of Educational Administration (1970-73).

Before pursuing a career in higher education, Dr. McNamara spent three years as a high school mathematics teacher in New Jersey and four years as a state-level school administrator in the Research Bureau of the Pennsylvania Department of Education. Earlier in his career, he worked in several corporations including Trans World Airlines, Philco-Ford, and VERTOL Helicopter. He also completed a three-year tour of duty in the U.S. Army Corps of Engineers.

As an educational policy researcher, he has appeared as an expert witness on educational desegregation policies before the U.S. District Court (Houston, TX), and he has delivered several invited research lectures to organizations such as the National Academy of School Executives, the Rand Corporation (Santa Monica, CA), and the Interamerican Congress of Psychology (Caracas, Venezuela).

For his contributions to collaborative education research and teaching research methods, he received the 1990 Faculty Research Award from the Instructional Research Laboratory at

Texas A&M University. In 1999 he received the Faculty Distinguished Achievement Award for Teaching from the Texas A&M University Alumni Association.

## **PROFESSIONAL INTERESTS**

Educational Administration and Organizational Behavior  
Decision Sciences and Quantitative Methods  
Research and Evaluation Methods in the Behavioral Sciences  
Teaching Statistics in Professional Schools  
Teaching Statistics in Junior and Senior High Schools  
Leadership Theory and School Improvement Research  
Research Synthesis and Meta-Analysis Methods

## **EDUCATION**

B.S. St. Joseph's University (Philadelphia, PA), Accounting, 1962  
M.E. Penn State University, Mathematics, 1966  
Ph.D. Penn State University, Educational Administration, 1970

## **PROFESSIONAL LICENSES**

Teaching Certificate, Mathematics, State of New Jersey

## **PROFESSIONAL EXPERIENCE**

### **Educational**

Professor, Educational Administration, Educational Psychology and Statistics, (1989 to present)

Professor, Educational Administration and Educational Psychology, (1981 to 1989)

Resident Research Fellow, Advanced Study Center, NCRVE, Ohio State University, (April 1980 to February 1981)

Visiting Scholar, Institute for Social Research, University of Michigan, (Summer 1979)

Professor, Educational Administration and Interdisciplinary Education, Texas A&M University, (1976 to 1981)

Associate Professor, Educational Administration, Teachers College, Columbia University, (1975 to 1976)

Associate Professor, Public Affairs and Administration, Wallace School of Community Service and Public Affairs, University of Oregon, (1971 to 1973)

Research Associate, Center for Advanced Study of Educational Administration, University of Oregon, (1970 to 1973)

Research Grant Administrator, Bureau of Research, Department of Education, Commonwealth of Pennsylvania, (1966 to 1970)

National Science Foundation Fellow, Mathematics, Pennsylvania State University, (1965 to 1966)

Instructor, Differential and Integral Calculus, Institute for Advanced Placement High School Scholars, Atlantic City (New Jersey) High School, (Summer 1965)  
Teacher, Mathematics, Mainland Regional High School, Linwood, New Jersey, (1964 to 1965)

Teacher, Mathematics, Cathedral High School, Trenton, New Jersey, (1962 to 1964)

### **Industrial**

Statistical Cost Accountant and Inventory Control Specialist, Research Division, Philco-Ford Corporation, Philadelphia, Pennsylvania, (1961 to 1962)

Flight Line Maintenance Specialist, Trans World Airlines, Philadelphia International Airport, (1957 to 1958)

Metal Worker, VERTOL Corporation, Morton, Pennsylvania, (1956 to 1957)

### **Military**

U.S. Army Corps of Engineers, Construction Foreman, (1953 to 1956)

### **Research and Development**

Executive Director, Texas A&M School/University Research Collaborative (1986 to 1990). This organization was formed to conduct research of mutual interest to 13 member school districts and the TAMU College of Education. Annual operating budget is \$200,000.

University Coordinator, TAMU Woodrow Wilson National Fellowship Foundation Summer Institutes on Teaching Mathematics, Chemistry and Physics (1989 to 1990). This position was created to increase direct communications between science and mathematics scholars at Texas A&M University and the WWNF Foundation in Princeton, New Jersey.

### **PROFESSIONAL ASSOCIATIONS**

Texas Professors of Educational Administration  
Texas Association for Planning, Evaluation and Research

Southwest Educational Research Association  
Politics of Education Association  
Operations Research Society of America  
National Council of Professors of Educational Administration  
International Society of Educational Planners  
Institute of Management Sciences  
Institute of Decision Sciences  
Association of Teacher Educators  
American Statistical Association  
American Vocational Education Research Association  
American Educational Research Association

### **HONORS, AWARDS, AND LISTINGS**

Faculty Distinguished Achievement Award for Teaching, Texas A&M University Alumni Association, May 1999.

Best Research Paper Award, Annual Meeting of the American Association of School Administrators, San Diego, CA, February 1992

Faculty Research Award from the Instructional Research Laboratory at Texas A&M University, September 1990

Editor's Special Recognition Award, **Educational Administration Quarterly**, December 1988

Phi Delta Kappa Certificate of Recognition, Texas A&M University Chapter, April 1982

Best Research Manuscript in the **Journal of Industrial Teacher Education**, Award presented at the AVA Meeting in New Orleans, LA, December 1981

The 1980-81 National Fellow Award for resident study in the Advanced Study Center, NCRVE, Ohio State University

The Pennsylvania Department of Education Doctoral Training Award (1968 to 1969)

National Science Foundation -- Academic Year Institute Fellowships in Mathematics for 1965-1966 awarded by University of Oregon, University of Detroit, and The Pennsylvania State University (Accepted Penn State fellowship)

National Science Foundation -- High School Mathematics Teacher Inservice Graduate Study Institute in Modern Algebra, 1963-1964, Villanova University

### **COMMITTEE MEMBERSHIPS**

**Texas A&M University (TAMU)**

Member, TAMU Institutional Review Board for the Protection of Human Subjects, 1999 to 2000

Member, College of Education Search Committee for the Endowed Chair in Mathematics Education, 1997 to 1998

Member, College of Education Committee on Graduate Instruction, 1994 to 1995

Member, Educational Psychology Faculty Academic Leave Committee, 1995 to 1999

Member, Advisory Board for the TAMU President's Commitment to Education Program, 1989 to 1992

Chair, College of Education Advisory Committee on Tenure and Promotion, 1989 to 1990

Member, Advisory Board of the Brazos Valley (Texas) School of Mathematics and Science, 1989 to 1990

Member, College of Education Faculty Advisory Council, 1989 to 1990

Coordinator, TAMU Woodrow Wilson National Fellowship Foundation Summer Institutes on Teaching Statistics, 1988 and 1989

Member, Advisory Committee for the TAMU Minority Leadership Development Program for Texas Colleges and Universities, 1988 to 1991

Elected Member, College of Education Advisory Committee on Tenure and Promotion, 1986 to 1989

Co-Director, TAMU Conference on School/University Collaborative Research, 1986 and 1987

Member, TAMU Faculty Academic Study Leave Committee, 1986 to 1991

Member, College of Education Advisory Council on Funded Research (formerly Indirect Cost Committee), 1985 to 1988

Departmental Contact, TAMU/EPsy Ph.D. Program in Quantitative Methods, American Statistical Association Program Directory, 1983 to 1990

Member, College of Education Committee on Follow-Up of Graduates and Evaluation of Professional Education Programs, 1981 to 1986

Member, Advisory Committee for the TAMU International Development Institute for School Administrators, 1984 to 1985

Member, TAMU Faculty Mini-Grant Research Committee, 1982 to 1984

Member, Educational Psychology/TAMU Institute of Statistics Joint Program Planning Committee, 1981 to 1984

Member, TAMU Systems Planning Committee for the Second Annual Symposium on "The Electronic Campus," 1984

Member, College of Education Long-Range Computer Planning Committee, 1984

Chair, College of Education Inquiry Groups on Research Assistance and Computer Technology, 1981 to 1983

Chair, College of Education Self-Study (Accreditation) Group on Standard Six/Program Evaluation and Long Range Planning, 1981 to 1983

Member, TAMU Self-Study (Accreditation) Group on Standard Eleven/Research, 1981 to 1982

Coordinator, College of Education Microcomputer Fair and Satellite Teleconference, 1982

Chair, Task Force on Faculty and Graduate Student Research, Data Processing and Computer Usage, 1981

Member, University Search Committee for the Dean of the College of Education, 1979

Member, College of Education Committee on Graduate Instruction, 1976 to 1981

Chair, Committee on Interdisciplinary Studies in Planning, Research and Evaluation, 1976 to 1980

Departmental Representative, Institute of Statistics Advisory Group, 1973 to 1975

Member, Advisory Committee for the Mott Foundation/TAMU Community Education Center, 1973 to 1975

Member, University Lecture Series Committee, 1973 to 1975

### **State and National**

Director, Texas Poll of Elementary School Teachers, Survey Research Group, TAMU College of Education, 1996 to 1998

Member, Executive Board of the National Council of Professors of Educational Administration, 1990 to 1993.

Director, Texas Forum on Quantitative Literacy (A National Science Foundation Professional Development Institute), 1989

Chair, Nominations Committee, National Council of Professors of Educational Administration, 1988

Member, American Statistical Association/National Council Teachers of Mathematics Joint Committee on Statistics and Probability, 1986 to 1991

Director, Texas Poll of Public School Principals, TAMU Principals' Center, 1986

## **PUBLICATIONS**

### **Monographs**

Haller, E.J., Brent, B.O. and McNamara, J.F. **Does Graduate Training in Educational Administration Improve America's Schools? Another Look at Some National Data.** Cornell University, 1994. ERIC Document No. ED 374-514.

Bobbett, G. C., French, R. L., Achilles, C. M., and McNamara, J. F. **Student Outcomes and Policymaking: An Analysis of Tennessee's Report Cards on Schools.** Institute for Assessment and Evaluation, University of Tennessee, 1992. ERIC Document No. ED 338656.

McNamara, J. F., Haensly, P. A., and Lupkowski, A. E. **The Role of Extracurricular Activities in High School Education: A Chart Essay on Survey Findings.** TAMU Institute for Gifted and Talented Education, 1986. ERIC Document No. ED 268-712.

McNamara, J. F. **The Decision Sciences in Vocational Leadership Development Programs.** A Chart Essay on the Findings of a 1981-82 Advanced Study Center Project, Ohio State University. Published by Research Assistance Laboratory, College of Education, Texas A&M University, December 1982.

McNamara, J. F. and Franchak, S. **Planning Vocational Education Programs in Pennsylvania: Guidelines for the Use of Labor Market Information.** Harrisburg: Pennsylvania Department of Education, 1970. ERIC Document No. ED 047-102.

McNamara J. F. **A Mathematical Programming Model for the Efficient Allocation of Vocational-Technical Education Funds.** Harrisburg: Pennsylvania Department of Education, 1970. ERIC Document No. ED 047-115.

### **Articles**

McNamara, J.F. Teaching Statistics in Principal Preparation Programs: Part Three. **International Journal of Educational Reform.** January 2001.

Song, E.Y., Pruitt, B.E., McNamara, J.F. and Colwell, B. A Meta-Analysis Examining Effects of School Sexuality Education Programs on Adolescents' Sexual Knowledge, 1960-1997. **Journal of School Health.** December 2000.

- McNamara, J.F. Teaching Statistics in Principal Preparation Programs: Part Two. **International Journal of Educational Reform**. October 2000.
- McNamara, J. F., Stuessy, C.L., McNamara, M. and Quenk, K. The Texas Poll of Elementary School Teachers: Part Two. **International Journal of Educational Reform**. January 2000.
- McNamara, J.F., Stuessy, C.L., McNamara, M. and Quenk, K. The Texas Poll of Elementary School Teachers: Part One. **International Journal of Educational Reform**. April 1999.
- McNamara, J.F. and McNamara, M. Constructing New Measures in Program Evaluation. **International Journal of Educational Reform**. January 1999.
- McNamara, J. F., Morales, P., Kim, Y. and McNamara, M. Conducting Your First Meta-Analysis: An Illustrated Guide. **International Journal of Educational Reform**. October 1998.
- McNamara, J.F. The Long-Term Effects of Smaller Classes in Elementary Schools. **International Journal of Educational Reform**. July 1998.
- McNamara, J.F. Constructing a Fact Sheet: The First Step in Planning a Meaningful Survey. **International Journal of Educational Reform**. April 1998.
- McNamara, J.F., Grossman, B.J., Lapiere, C.B. and Laija, W. The School Psychologist: A Source of Expertise Available to School Principals for Collaborative Problem Solving. **International Journal of Educational Reform**. January 1998.
- Haller, E.J., Brent, B.O. and McNamara, J.F. Does Graduate Training in Educational Administration Improve America's Schools? **Phi Delta Kappan**. November 1997.
- McNamara, J.F. Meta-Analysis: A Strategy to Improve Integrative Research Reviews. **International Journal of Educational Reform**. October 1997.
- McNamara, J.F. Parental Views on the Biggest Problems in Public Schools: National Versus Local Findings. **International Journal of Educational Reform**. July 1997.
- Thompson, D.P., McNamara, J.F. and Hoyle, J.R. Job Satisfaction in Educational Organizations: A Synthesis of Research Findings. **Educational Administration Quarterly**. February 1997.
- McNamara, J.F. Questionnaire Design for Strategic Planning Surveys. **International Journal of Educational Reform**. January 1997.
- McNamara, J.F. What is a Model? **International Journal of Educational Reform**. October 1996.



- McNamara, J.F. and Thompson, D.P. Teaching Statistics in Principal Preparation Programs. **International Journal of Educational Reform**. July 1996.
- McNamara, M., Cannella, G.S. and McNamara, J.F. A Social Reconstructionist Approach to Teacher Education. **International Journal of Educational Reform**. April 1996.
- McNamara, M., Wiseman, D.L. and McNamara, J.F. Four Perspectives on Collaboration. **International Journal of Educational Reform**. January 1996.
- McNamara, J.F. Consider Curving Scores from Teacher-Made Tests. **International Journal of Educational Reform**. October 1995.
- Slater, R. O., and McNamara, J. F. Professional Ideology and Educational Reform: Part Two. **International Journal of Educational Reform**. July 1995.
- McNamara, J. F., and Slater, R. O. Professional Ideology and Educational Reform: Part One. **International Journal of Educational Reform**. April 1995.
- Bobbett, G. C., French, R. L., Achilles, C. M., and McNamara, J. F. District-Level Report Cards Are More Smoke than Fire. **Tennessee Education**. Winter 1995.
- McNamara, J. F., and McNamara, M. Myths to Consider When Planning and Evaluating Educational Reforms. **International Journal of Educational Reform**. January 1995.
- McNamara, J. F., and McNamara, M. Toward an Accurate Description of the Student Dropout Program. **International Journal of Educational Reform**. October 1994.
- McNamara, M., and McNamara, J. F. Scenes from a Collaboration. **International Journal of Educational Reform**. July 1994.
- McNamara, J. F. and McNamara, M. Two Perspectives on Change within Schools. **International Journal of Educational Reform**. April 1994.
- McNamara, J. F. Administrative Decision Making: Part Two. **International Journal of Educational Reform**. January 1994.
- McNamara, J. F. Administrative Decision Making: Part One. **International Journal of Educational Reform**. October 1993.
- McNamara, J. F. The Informed Consumer of Survey Research. **International Journal of Educational Reform**. July 1993.
- McNamara, J. F. A Study Guide for Developing Survey Research Skills. **International Journal of Educational Reform**. April 1993.

Thompson, D. P., McNamara, J. F., Parsons, J. L., and Say, E. A Proactive Role in Dropout Prevention. **Insight: Journal of the Texas Association of School Administrators**. Winter 1992.

McNamara, J. F. Ethical Guidelines in Survey Research. **International Journal of Educational Reform**. January 1993.

McNamara, J. F. Research Design and Sample Size Requirements in School Improvement Research. **International Journal of Educational Reform**. October 1992.

McNamara, J. F. Statistical Power in School Improvement Research. **International Journal of Educational Reform**. July 1992.

McNamara, J. F. The Effect Size Criterion in School Improvement Research. **International Journal of Educational Reform**. April 1992.

McNamara, J. F. Sample Sizes for School Preference Surveys. **International Journal of Educational Reform**. January 1992.

Thompson, D., McNamara, J. F., Parsons, J. L., and Say, E. A Proactive Role in Dropout Prevention. **Texas Study of Secondary Education Research Journal**. January 1991.

McNamara, J. F. The Sample Size Issues in Educational Research. **Record in Educational Administration and Supervision**. Spring 1990.

McNamara, J. F. Statistical Power in Educational Research. **National Forum of Applied Educational Research Journal**. February 1990.

McNamara, J. F., Fetsco, T. G., Erlandson, D. A., and Hart, M. S. Improving School Information Systems Through Microcomputing: A University-High School Cooperative Venture. **Public Administration Quarterly**. Spring 1989.

McNamara, J. F. If It Ain't Broke, Don't Fix It: A Reaction to the National Conference of Professors of Educational Administration Reorganization Proposal. **The AASA Professor**. Spring 1989.

McNamara, J. F. Suggestions for Designing a High School Statistics Course. **The Statistics Teacher Network**. June 1988.

McNamara, J. F. Statistics: A Domain of the Mathematical Sciences. **The Statistics Teacher Network**. September 1987.

McNamara, J. F., Hart, M. S., and Harter, C. H. Administrative Applications of Microcomputers in Public School Administration. **Public Administration Quarterly**. Spring 1987.

Haensly, P. A., Lupkowski, A. E., and McNamara, J. F. The Chart Essay: A Strategy for Communicating Research Findings to Policy Makers and Practitioners. **Educational Evaluation and Policy Analysis**. Spring 1987.

McNamara, J. F., Fetsco, T. G., and Barona, A. Data-Based Debates: A Strategy for Constructing Classification Systems to Report Questionnaire Data. **Public Administration Quarterly**. Fall 1986.

Hanson, M. K., Abramson, M., and McNamara, J. F. Statistical Models in Special Education Research. **Journal of Special Education**. Fall 1986.

Smith, R. G., McNamara, J. F., and Barona, A. Getting Good Results from Survey Research: The TAMU/SISD Experience. **Public Administration Quarterly**. Fall 1986.

Hanson, M. K., Gardner, D. W., and McNamara, J. F. Ecological Inference in Administrative Reporting and Decision Making. **Educational Administration Quarterly**. Spring 1986.

Hanson, M. K., and McNamara, J. F. Sampling Issues in Decision-Oriented Research: A Case Study. **Planning and Changing**. Winter 1981.

Abramson, M., and McNamara, J. F. Evaluating the Effects of Federal Legislation on Schools. **Planning and Changing**. Spring 1981.

Denton, J., Kracht, J. B., and McNamara, J. F. An Evaluation Design to Examine Instructional Effects of Classroom Teachers. **Educational Evaluation and Policy Analysis**. October 1980.

Gill, D. H., McNamara, J. F., and Skinkle, J. The Practical Significance of Research Reported in the Journal of Industrial Teacher Education. **Journal of Industrial Teacher Education**. Spring 1980.

Denton, J. J., and McNamara, J. F. Conceptual Models for Determining the Influence of Classroom Teachers on Learner Cognitive Attainment. **Journal of Experimental Education**. Fall 1979.

Johnson, G. R., and McNamara, J. F. Verbal Interaction Patterns in Community Colleges and Universities. **Community/Junior College Research Journal**. Fall 1979.

McNamara, J. F. Sample Size in Decision-Oriented Inquiries. **Planning and Changing**. Spring 1979.

McNamara, J. F. Practical Significance and Statistical Models. **Educational Administration Quarterly**. Winter 1978.

McNamara, J. F., and Gill, D. H. Practical Significance of Vocational Education Research. **Journal of Vocational Education Research**. Fall 1978.

- Stansell, J. C., and McNamara, J. F. Improving Reading: Must It Be Expensive? **Educational Economics**. May 1978.
- McNamara, J. F. A First Lesson in Educational Econometrics. **Educational Economics**. Fall 1976.
- McNamara, J. F., and Rick, Z. R. Four Analytics in Educational Planning. **Planning and Changing**. Fall 1976.
- McNamara, J. F. Trend Impact Analysis and Scenario Writing: Strategies for the Specification of Alternatives in Educational Planning. **Journal of Educational Administration**. October 1976.
- Winkler, D., and McNamara, J. F. A Rationale for Quantitative Methods in Educational Administration. **Planning and Changing**. Winter 1975.
- McNamara, J. F. Trend Impact Analysis and Scenario Writing: An Application in an Urban Staff Development Program. **Planning and Changing**. Spring 1975.
- Burns, R. J., and McNamara, J. F. Technological Forecasting and Long Range Planning in an Urban School District. **Planning and Changing**. Spring 1974.
- Wynia, B., and McNamara, J. F. The Effect of Experiential and Physical Appearance Variables on Professional Acceptability. **Journal of Educational Administration**. April 1974.
- McNamara, J. F. The 1973 Prospective Professor of Educational Administration. **The University Council for Educational Administration Newsletter**. October 1973.
- St. Louis, L., and McNamara, J. F. An Economies of Scale Model for a State Systems of Public Schools. **Socio-Economic Planning Sciences**. July 1973.
- Temkin, S., and McNamara, J. F. A Comprehensive Planning Model for School Districts: Decision Rules and Strategies. **Journal of Educational Administration**. April 1973.
- McNamara, J. F. Mathematical Programming Applications in Educational Planning. **Socio-Economic Planning Sciences**. January 1973.
- McNamara, J. F. Operations Research and Educational Planning. **Journal of Educational Data Processing**. December 1972.
- McNamara, J. F. Graduate Courses in Educational Statistics: Some Student Reactions. **School Research Information Quarterly**. Winter 1972.
- McNamara, J. F. Teachers and Students Combine Efforts in Action Research. **The Clearing House**. December 1972.

- McNamara, J. F. Mathematics and Educational Administration. **Journal of Educational Administration**. October 1972.
- McNamara, J. F. McNamara, J. F. The 1972 Prospective Professor of Educational Administration. **The University Council for Educational Administration Newsletter**. October 1972.
- McNamara, J. F. A Modification of the Age-Cohort Method for Projecting First Grade Enrollment. **Planning and Changing**. October 1972. (Reprinted in **School Research Information Series on Enrollment Projections**, Phi Delta Kappa).
- McNamara, J. F., and Smink, J. The Future Role of State Education Departments. **Planning and Changing**. October 1970
- McNamara, J. F. Essay Review of Educational Decision Making Through Operations Research (Allyn and Bacon, 1971). **Educational Administration Quarterly**. Winter 1972.
- McNamara, J. F. Models and Their Utility in Educational Planning. **Journal of the International Society of Educational Planners**. May 1972.
- McNamara, J. F. **Applications of Mathematical Programming Models in Educational Planning: An Overview and Selected Bibliography**. Council of Planning Librarians, Exchange Bibliography No. 271. March 1972.
- McNamara, J. F. Mathematical Programming Models in Educational Planning. **Review of Educational Research**. December, 1971.
- McNamara, J. F. The 1971 Prospective Professor of Educational Administration. **The University Council for Educational Administration Newsletter**. October 1971.
- McNamara, J. F. A Regional Planning Model for Occupational Education. **Socio-Economic Planning Sciences**. August 1971.
- McNamara, J. F., Smink, J., and Lowell, D. A Systems Approach to Regional Planning in Vocational Education. **Planning and Changing**. July 1971.
- Arnold, W. M., and McNamara, J. F. A Systems Approach to Planning Vocational Education. **Socio-Economic Planning Sciences**. July 1971.
- McNamara, J. F. Statistics: A Vital Educational Tool. **The Clearing House**. May 1971. (Reprinted in Robert A. Magoon, Ed., **Education and Psychology: Past, Present and Future**).
- McNamara, J. F. A Mathematical Programming Approach to State-Local Program Planning in Vocational Education. **American Educational Research Journal**. March 1971.

McNamara, J. F. A State System of Labor Market Information. **American Vocational Journal**. February 1971.

Smink, J., and McNamara, J. F. A Systems Approach to State-Local Program Planning. **The Pennsylvania School Board Bulletin**. August 1970.

McNamara, J. F. Consider Curving Scores. **Pennsylvania School Journal**. December 1969.

McNamara, J. F. Using School Mathematical Personnel in Business Education. **The Journal of Business Education**. December 1969.

McNamara, J. F., and Keyes, E.D. A Guide to Converting Test Scores. **The Clearing House**. March 1969.

### **Book and Monograph Chapters**

Place, A., McNamara, M. and McNamara, J.F. Collecting and Analyzing Decision-Oriented Data. In T.J. Kowalski (ed.). **Public Relations in Schools** (2nd Edition). Merrill, 1999.

McNamara, J.F. and McNamara, M. Collecting and Analyzing Decision-Oriented Information. In T.J. Kowalski (ed.). **Public Relations in Educational Organizations: Practice in an Age of Information and Reform**. Prentice-Hall, 1995.

McNamara, J. F. Administrative Decision Making. In M. C. Alkin (Ed.). **Encyclopedia of Educational Research** (Sixth Edition). Macmillan, 1990.

McNamara, J. F., Dickson, M. A., and Guido-DiBrito, F. Decision Sciences: A Framework for Information Systems Design and Data Administration. In J. Rabin & E. M. Jackowski (Eds.). **Handbook of Information Resource Management**. Marcel Dekker, 1988.

McNamara, J. F., and Chisolm, G. B. The Technical Tools of Decision Making. In N. Boyan (Ed.). **AERA Handbook of Research on Educational Administration**. Longman, 1988.

Hanson, M. K., Rupley, W. H., and McNamara, J. F. Statistical Models and Practical Significance in Reading Research. In M. Kamil and A. Moe (Eds.). **Perspective on Reading and Instruction**. Twenty-Ninth Yearbook of the National Reading Conference, 1981.

Shakeshaft, C. S., and McNamara, J. F. Women in Academic Administration: A Synthesis of Findings and a Paradigm for Future Research. In M. J. Walberg and E. M. Haertel (Eds.). **Research Integration: The State of the Art**, 1980.

Rupley, W. H., and McNamara, J. F. Longitudinal Investigations of the Effects of Teacher's Reading Instructional Emphasis and Pupil's Engaged Time in Reading Instruction. In M. Kamil and A. Moe (Eds.). **Reading Research: Studies and Applications**. Twenty-Eighth Yearbook of the National Reading Conference, 1980.

McNamara, J. F. Practical Significance in Administrative Research. In Glen A. Immegart and William Boyd (Eds.). **Problem Finding in Educational Administration: Trends in Research and Theory**. Lexington Books, 1979.

McNamara, J. F. Provisions for Evaluation of Program Effectiveness. In Frank W. R. Hubert and James W. Moss (Eds.). **The Search for Stability: A Survey Report to the Houston Independent School District on Its Special Education Programs**, HISD, Houston, Texas, May 1975.

McNamara, J. F. The Design of Technological Forecasting Studies. In S. Hencley and J. Yates (Eds.). **Futurism in Education: Methodology**. McCutchan, 1974.

McNamara, J. F. Markov Chain Theory and Technological Forecasting. In S. Hencley and J. Yates (Eds.). **Futurism in Education: Methodology**. McCutchan, 1974.

Arnold, W. M., and McNamara, J. F. Systems Approach to Educational Planning. In Gordon Law (Ed.). **Contemporary Concepts in Vocational Education**. Annual Yearbook of the American Vocational Education Association. Volume 1, 1971.

## Books

McNamara, J.F., Erlandson, D.A. and McNamara, M. **Measurement and Evaluation: Strategies for School Improvement**. Larchmont, NY: Eye On Education, 1999.

McNamara, J. F. **Surveys and Experiments in Education Research**. Lancaster, PA: Technomic Publishing Company, 1994.

Johnston, A. P., and McNamara, J. F. (Eds.). **Planning Perspectives for Education**. New York: MSS Information Corporation, 1975.

## Technical Reports

McNamara, J.F. **Guidelines for Teaching Statistics in School Principal Preparation Programs**. A Chart Essay presented at the National Conference of Professors of Educational Administration, Vail, Colorado, August 1997.

McNamara, J.F., Campbell, T., Moore, J. and Sivo, S.A. **Evaluating the Quality of Published Meta-Analysis Studies**. A Chart Essay presented at the Southwest Educational Research Association Annual Conference, New Orleans, LA, January 1996.

Parsons, J. L., Say, E., and McNamara, J. F. **The 1988-89 Student Dropout Research Project: An Aggregate Report of Nine Collaborative School Districts**. A Chart Essay

presented at the Fifth Annual Collaborative Research Conference sponsored by the Texas A&M School/University Research Collaborative, Del Lago Conference Center, Montgomery, Texas, January 1990.

McNamara, J. F. **The Chart Essay: A Strategy for Communicating Research Findings to Policy Makers and Practitioners.** A Technical Report presented at the University Council for Educational Administration Research Conference, Scottsdale, Arizona, October 1989.

Parsons, J. L., Say, E., and McNamara, J. F. **The 1987-88 Student Dropout Research Project: An Aggregate Report of Nine Collaborative School Districts.** A Chart Essay presented at the Third Annual Collaborative Research Conference sponsored by the Texas A&M School/University Research Collaborative, Woodlands Conference Center, Houston, Texas, January 1989. (Essay circulated by the TAMU president to all members of Texas Legislative Dropout Committee, February 1989).

Say, E., and McNamara, J. F. **An Overview of the 1987-88 School Dropout Research Project.** A Chart Essay presented at the Second Annual Collaborative Research Conference sponsored by the Texas A&M School/University Research Collaborative, Woodlands Conference Center, Houston, Texas, January 1988.

McNamara, J. F. **Using the Quantitative Literacy Materials in Preservice Education.** A Chart Essay presented at the 66th Annual Meeting of the National Council of Teachers of Mathematics. Chicago, Illinois, April 1988.

McNamara, J. F. **Technical Tools of Decision Making: A Review of Literature Over the Past Thirty Years in Five Scientific Disciplines.** A Chart Essay presented in the Southwest Educational Research Symposium on Academic Administration, Austin, Texas, January 1985.

McNamara, J. F. A Project Based Teaching Model for Examining Administrative Applications of Microcomputers in Senior High Schools. In Glenn R. Johnson (Ed.). **Innovations in College Teaching: Final Reports of 1983-1984 Incentive Grant Recipients.** TAMU Center for Teaching Excellence, September 1984.

McNamara, J. F., Smith, D. N., and the TAMU Research Synthesis Project Group. **Dissertation Integration Methods: A Procedures Manual for Behavioral Scientists.** Research Assistance Laboratory. College of Education, Texas A&M University, January 1984.

McNamara, J. F. **A Chart Essay on the Mathematical Sciences in Graduate Professional Education.** Volume Two. Project working papers on the Mathematical Sciences in Vocational Education Leadership Development Programs. Advanced Study Center, Ohio State University, December 1980.



- Hanson, M. K., Gardner, P. W., and McNamara, J. F. **Ecological Inference: Implications for Public School Reporting and Decision Making**. Texas A&M University. Fall 1980.
- McNamara, J. F. **A Chart Essay on Quantitative Methods**. Volume One. Project working papers on the Mathematical Sciences in Vocational Education Leadership Development Programs. Advanced Study Center, Ohio State University. September 1980.
- McNamara, J. F. Computer Applications and Data Processing in Large Urban School Districts: A Case Study of the Houston Independent District. In Frank W. R. Hubert et al. **School People and the Computer: The Story of the Gulf Texas Multi-Regional Processing Center**. Region VI Education Service Center, Houston, Texas, January 1978.
- McNamara, J. F. Emerging Directions in Computer-Assisted Instruction: The PLATO System for Individualized Instruction. In **School People and the Computer**. 1978.
- McNamara, J. F. Emerging Directions in Computer-Assisted Instruction: The Computer Generated Braille Project. In **School People and the Computer**. 1978.
- McNamara, J. F. Computer Applications and Data Processing in Suburban School Districts: A Case Study of the Lamar Independent School District. In **School People and the Computer**. 1978.
- McNamara, J. F. (Designer and Contributor). **Proposed Area of Interdisciplinary Studies for Doctoral-Level Programs in Planning, Evaluation and Research**, Report of the Ad Hoc Committee on Planning, Research and Evaluation, College of Education, Texas A&M University. December 1977.
- McNamara, J. F. **Markovian Models and Technological Forecasting**. A working paper presented for the University Council of Educational Administration Task Force on Assessing Futuristic Methods. Columbus, Ohio. May 1973.
- McNamara, J. F. **Some Semi-Random Ideas for the Design of an Administrative Applications Component in a Computer Technology Program**. Northwest Regional Educational Laboratory, Portland, Oregon, January 1973.

## Policy Reports

- McNamara, J.F. and Stuessy, C.L. **The Texas Poll of Elementary School Teachers: A Chart Essay on Findings**. Presented to the Texas Statewide Systemic Initiative (A Comprehensive Educational Reform Effort funded by the National Science Foundation and the Texas Education Agency for improving science and mathematics education) in conference session at the Charles A. Dana Center, University of Texas, Austin, Texas on September 21, 1998.
- McNamara, J. F. **The Impact of the Singleton Ration Plan on Teacher Assignments and Learning Outcomes in Houston Independent School District Elementary Schools: A Chart Essay for the 1976-77 and the 1977-78 School Years**. Presented by the author as

expert witness before Judge Robert O'Connor in the U.S. District Court for the Southern District of Texas, Houston Division on June 4, 1979 regarding Civil Action 10,444 Delores Ross et al. V. HISD.

Palmer, D. J., and McNamara, J. F. **Consumer and Producer Opinions on Teacher Certification Issues in Special Education: A Chart Essay Response to Senate Bill 903.** Presented to the Council for Personnel Preparation for the Handicapped in Texas on December 3, 1979.

McNamara, J. F. **The Impact of the Singleton Ratio Plan on Teacher Assignments and Learning Outcomes in HISD Elementary Schools.** A policy impact analysis presented to the Houston Independent School district in Board Session. December 12, 1977. (Report used by author and district law firm as the text for a HISD Board workshop session on faculty desegregation in July 1978).

### Field Studies

McNamara, J. F., and the EPSY 683 Survey Research Group. **Looking Forward: An Evaluation of the Texas A&M University Minority Mentorship Project.** A Chart Essay presented to the Multicultural Education Research Enhancement Committee, Texas A&M University on January 9, 1990.

McNamara, J. F., Erlandson, D. A., and the EDAD 689 Microcomputer Research Group. **Improving School Information Systems Through Microcomputing.** A Chart Essay presented to the Administrative Staff, A&M Consolidated High School in conference session on June 6, 1984.

McNamara, J. F., and the EDAD 689 Microcomputer Research Group. **Extending Administrative Effectiveness Through Microcomputing.** A Chart Essay presented to the Administrative Staff, College Station Independent School District in conference session on August 12, 1982.

### Strategic Planning Reports

Since 1974 Dr. McNamara has been a strategic planning consultant to the Spring (Texas) Independent School District. In this role he has conducted (each five years) Gallup Poll type telephone surveys of parents and on-site survey interviews of teachers and students in all schools of the district. These surveys address both instructional and administrative policy issues central to strategic planning.

These large-scale survey efforts involve his **(a) designing** survey sampling plans for each group, **(b) constructing** telephone questionnaires for parents and personal interview questionnaires for teachers and students, **(c) training** 50 parent volunteers to conduct telephone and personal interviews, **(d) conducting** data analysis on approximately 1,600 survey questionnaires, **(e) preparing** survey research reports, and **(f) presenting** these survey findings to school trustees, school practitioners and parent support groups. Copies

of these strategic planning reports (which are identified below) are available from the Spring ISD.

McNamara, J.F., McNamara, M., Say, E. and Smith, R.G. **Planning for the 21st Century: The Spring ISD Five-Year Education Plan: 1996-97 Parent Survey Results.** A Chart Essay presented to the SISD Trustees in conference session on February 17, 1997.

McNamara, J.F., McNamara, M., Say, E. and Smith, R.G. **Planning for the 21st Century: The Spring ISD Five-Year Education Plan: 1996-97 Teacher Survey Results.** A Chart Essay presented to the SISD Trustees in conference session on February 17, 1997.

McNamara, J.F., McNamara, M., Say, E. and Smith, R.G. **Planning for the 21st Century: The Spring ISD Five-Year Education Plan: 1996-97 Student Survey Results.** A Chart Essay presented to the SISD Trustees in conference session on February 17, 1997.

McNamara, J. F., Say, E., and Smith, R. G. **The Spring ISD Five-Year Educational Plan: 1991-92 Parent Survey Results.** A Chart Essay presented to the SISD Trustees in conference session on February 4, 1992.

McNamara, J. F., Say, E., and Smith, R. G. **The Spring ISD Five-Year Educational Plan: 1991-92 Teacher Survey Results.** A Chart Essay presented to the SISD Trustees in conference session on February 4, 1992.

McNamara, J. F., Say, E., and Smith, R. G. **The Spring ISD Five-Year Educational Plan: 1991-92 Student Survey Results.** A Chart Essay presented to the SISD Trustees in conference session on February 4, 1992.

McNamara, J. F., and Smith, R. B. **Parent Survey of Attitudes Toward the Spring Independent School District.** A Chart Essay presented to the SISD Trustees in conference session on February 19, 1986.

McNamara, J. F., and Smith R. B. **Teacher Survey of Attitudes Toward the Spring Independent School District.** A Chart Essay presented to the SISD Trustees in conference session on February 19, 1986.

McNamara, J. F., and Smith, R. B. **Student Survey of Attitudes Toward the Spring Independent School District.** A Chart Essay presented to the SISD Trustees in conference session on February 19, 1986.

McNamara, J. F., and the IDED 689 Survey Research Group. **Parent Survey of Attitudes Toward the Spring Independent School District.** A Chart Essay presented to the SISD Trustees in conference session on October 29, 1981.

McNamara, J. F., and the IDED 689 Survey Research Group. **Teacher Survey of Attitudes Toward the Spring Independent School District.** A Chart Essay presented to the SISD Trustees in conference session on October 29, 1981.

McNamara, J. F., and the IDED 689 Survey Research Group. **Student Survey of Attitudes Toward the Spring Independent School District.** A Chart Essay presented to the SISD Trustees in conference session on October 29, 1981.

### **Institutional Analyses**

McNamara, J.F. **Applying Strategic Planning Survey Results at the Campus Level.** A research training seminar conducted for Spring Independent School District Principals and Assistant Principals (total enrollment 200 school administrators), Houston, Texas, March 1997.

McNamara, J. F. **The Texas A&M School/University Research Collaborative: Overview of Objectives, Membership and Research Activities.** A Chart Essay presented to the Texas A&M University System Administration on November 3, 1989.

Smith, D., Hope, L., and McNamara, J. F. **An Integration of Dissertations Written in 1969-1985 in the Texas A&M University Educational Psychology Department.** A Chart Essay on Findings presented at the Department of Educational Psychology Faculty Retreat, Camp Allen, Texas on November 10, 1989.

McNamara, J. F. **Teaching Survey Research Methods in a Graduate School of Education.** A Chart Essay presented to the National Conference of Professors of Educational Administration, Chadron State College, August 1987.

McNamara, J. F., Norton, D. A., and the EPSY Evaluation Research Group. **Looking Forward: An Evaluation of the BIDS/TAMU Multiethnic Reading/Language Arts Program for Low Achieving Elementary and Junior High School Students.** A Chart Essay prepared for the Meadows Foundation and the Bryan Independent School District Trustees, January 1987.

McNamara, J. F. **New Approaches to Teaching Statistics: Guidelines from the NCTM/ASA Quantitative Literacy Project.** A Chart Essay presented to the Trinity-Brazos Valley Council of Teachers of Mathematics, Texas A&M University, November 1986.

Griffin, L., and McNamara, J. F. **Attitudes of Public School Administrators Toward Gifted, Handicapped and Normal Students.** A Chart Essay presented to the TAMU Institute for Gifted Students and to the National Association for Gifted Children in November 1984.

Chisolm, G. B., Chisolm, O. E., and McNamara, J. F. **Views of Japanese Education Officials on Plans for the TAMU International Development Institute for Educational Administrators: Report on a Fact Finding Trip to Tokyo and Kyoto, Japan.** A Chart Essay presented to Texas Engineering Experiment Station and to the Office of the Dean, College of Education, Texas A&M University in September, 1984.

McNamara, J. F., Chisolm, G. B., and Wenzel, D. K. **Views of Texas School Superintendents on Plans for the TAMU International Development Institute for School Administrators.** A Chart Essay on Survey Findings presented to the Advisory Committee for the TAMU International Development Institute in June 1984.

McNamara, J. F. (Designer and Contributor). **Extending Inquiry Through Computer Technology.** Final Report of the TAMU College of Education Task Force on Faculty and Graduate Student Research Development, Data Processing and Computer Usage, May 1981.

McNamara, J. F. (Designer and Contributor). **Extending Research Productivity.** Final Report of the TAMU College of Education Task Force on Faculty Teaching and Graduate Student Study, May 1981.

### **Accreditation Reports**

In 1982 Dr. McNamara was appointed director of the Graduate Student Follow-Up Survey to be conducted as part of the TAMU College of Education NCATE Self Study Report. Specifically, he was commissioned to conduct a world-wide telephone poll of former College of Education students who were awarded graduate degrees between 1969 (the year the college was founded) and 1981.

Each telephone interview was designed to secure professional insights from its former graduate students on 30 policy issues that would be used in evaluation and long-range planning designed to extend the College's effectiveness in all of its graduate research, teaching, and service programs.

The survey sampling design for this comprehensive telephone follow-up survey was a stratified random sampling plan with an equal allocation of 40 former graduate students from each of the College's six departments (strata). Involving the collaborative efforts of more than 120 College of Education faculty, students and staff, this true probability sampling plan of 240 random sampled respondents achieved an actual return rate of 92 percent.

The eight NCATE reports resulting from this follow-up study are identified below with a direct reference to individual faculty co-authors and where appropriate a general reference to the nine Ph.D. students who assisted me in all aspects of the international telephone survey. Since completing this study, I have trained several colleagues both here and across the country to replicate this telephone follow-up survey in other schools of education.

McNamara, J. F. **Evaluation, Program Review and Planning in the TAMU College of Education.** Section VI of Volume 1 of the TAMU National Council for Accreditation of Teacher Education Self-Study Report, January 1983 (109 pages).

McNamara, J. F., Chastain, R., and the EPSY 689 Survey Research Group. **National Survey of Former TAMU College of Education Graduate Students.** A Chart Essay presented

to the College of Education Committee on Follow-Up of Graduates and Evaluation of Teacher Education Programs in March 1983.

McNamara, J. F., Stark, S. L., and the EPSY 689 Survey Research Group. **National Survey of Former TAMU Educational Administration Graduate Students.** A Chart Essay presented to the TAMU Department of Educational Administration in February 1983.

McNamara, J. F., Denton, J. J., and the EPSY 689 Survey Research Group. **National Survey of Former TAMU Educational Curriculum and Instruction Graduate Students.** A Chart Essay presented to the TAMU Department of Educational Curriculum and Instruction in February 1983.

McNamara, J. F., and the EPSY 689 Survey Research Group. **National Survey of Former TAMU Educational Psychology Graduate Students.** A Chart Essay presented to the TAMU Department of Educational Psychology in February 1983.

McNamara, J. F., Clark, F. E., and the EPSY 689 Survey Research Group. **National Survey of Former Industrial Education Graduate Students.** A Chart Essay presented to the TAMU Department of Industrial Education in February 1983.

McNamara, J. F., Kapes, J. T., and the EPSY 689 Survey Research Group. **National Survey of Former Interdisciplinary Education Graduate Students.** A Chart Essay presented to the TAMU Interdisciplinary Education Faculty in February 1983.

McNamara, J. F., LeBlanc, E. H., and the EPSY 689 Survey Research Group. **National Survey of Former Health and Physical Education Graduate Students.** A Chart Essay presented to the TAMU Department of Health and Physical Education in February 1983.

## INVITED LECTURES

"Using the Findings from the Texas Poll of Elementary School Teachers to Specify Strategies for Improving Science Education." Texas Science Summit, San Antonio, Texas, January 1999.

"Research Design and Statistical Methods in School Improvement Research," Institute for Global Education, University of Uppsala, Uppsala, Sweden, July 1996.

"Survey Research Methods," Visiting Scholar Research Design Seminar, Indiana State University, April 1993.

"Survey Research Methods," National Council of Professors of Educational Administration Research Training Seminar, Terre Haute, Indiana, August 1992.

"Statistical Power in Behavioral Science Research," Visiting Scholar Lecture Series, California State University at Fresno, April 1991.

- "Como Obtener Buenos Resultados Con Investigaciones de Encuesta," XXI Inter-American Congress of Psychology, Caracas, Venezuela, July 1985. (With Andres Barona.)
- "Improving High School Information Systems and Communications Networks through Microcomputing: A Self Study Model for the School Principals," 1984 Summer Institute, TAMU Principals' Center, July 1984.
- "Ecological Inference: Implications for Public School Reporting and Decision Making," Center for Advanced Study in Human Resources, Department of Economics, Howard University, Washington, D.C., November 1980.
- "Survey Sampling Methods for School District Needs Assessments," AASA National Academy of School Executives Seminar 79-2: Advanced Needs Assessment Strategies, Denver, Colorado, January 1979.
- "Trend Impact Analysis and Scenario Writing," National Academy of School Executives Seminar 78-15: Current Curriculum Design and Evaluation Strategies, Panama City Beach, Florida, March 1978.
- "Practical Significance in Administrative Research," UCEA Career Development Seminar on Research in Educational Administration, University of Rochester, May 1977.
- "Sampling Plans in School District Surveys," Northern Illinois University, January 1977.
- "Reporting SAT Scores at the School District Level," Institute of Administrative Research, Teachers College, Columbia University, June 1976.
- "The Design and Implementation of Trend Analysis Studies," Long Range Planning Pre-session Workshop, Annual Conference of the Council of Exceptional Children, Los Angeles, California, April 1975.
- "Trend Impact Analysis and Scenario Writing," College of Education, State University of New York at Buffalo, February 1975.
- "The Design and Testing of ARIOLE--A Planning Guide," Second General Session, Twenty-Seventh Annual National Conference of Professors of Educational Administration, Bellingham, Washington, August 1973.
- "Informal Research Procedures Used by Public Sector Advisory Committees," Lane County Council of Governments and The Lane Regional Planning Commission, Eugene, Oregon, July 1973.
- "A Regional Planning Model for Occupational Education," Rand Corporation, Santa Monica, California, June 1972.

"Mathematical Programming Model for Occupational Education," Rand Corporation, Santa Monica, California, June 1972.

"Mathematical Programming Models and Program-Planning-Budgeting Systems in State and Local Education Agencies," School of Education, Stanford University, February 1971.

"A State System of Labor Market Information," American Vocational Education Research Association Seminar, AVA Convention, New Orleans, Louisiana, December 1970.

"The Relationship of Vocational Education to Developments in Socio-Economic Planning and Regional Science," U.S. Office of Education Workshop on Planning Vocational Education in Metropolitan Areas, Kent State University, April 1970.

### **Nova Lectures**

Appointed in 1988 as a Lecturer in the NOVA University Educational Leadership Program. Since 1988 Dr. McNamara has conducted over 150 research design and statistics seminars for practicing school administrators in these 32 North American cities:

- Atlanta, GA
- Boca Raton, FL
- Boston, MA
- Chicago, IL
- Columbia, SC
- Colorado Springs, CO
- Dallas, TX
- Danville, VA
- Erie, PA
- Fort Lauderdale, FL
- Gainesville, FL
- Gainesville, GA
- Indianapolis, IN
- Jacksonville, FL
- Kansas City, MO
- Lake Charles, LA
- Los Angeles, CA
- Macon, GA
- Mobile, AL
- Myrtle Beach, SC
- Orlando, FL
- Phoenix, AZ
- Philadelphia, PA
- San Francisco, CA
- San Francisco, CA
- Springfield, MA
- Tampa, FL
- Vancouver, Canada
- Washington, D.C.
- West Palm Beach, FL
- Williamsport, PA
- Wilmington, DE

### **OTHER PROFESSIONAL ACTIVITIES**

#### **Professional Publications**

Research Editor (writing a quarterly column), **International Journal of Educational Reform**, 1992 to present.

Invited Distinguished Juror, **National Forum of Educational Administration and Supervision Journal**, 1991 to 1999.



Editorial Board Member, **Journal of Educational Leadership**, 1994-1998.

Editorial Board Member, **Public Budgeting and Financial Management: An International Journal**, 1991 to present.

Editorial Board Member, **International Journal of Public Administration**, 1990 to present.

Editorial Board Member, **National Forum of Applied Educational Research Journal**, 1988 to present.

Editorial Board Member, **Educational Administration Quarterly**, 1984 to 1991.

Consulting Editor, **Review of Educational Research**, 1973 and 1981.

Manuscript Reviewer, **Journal of Vocational Education Research**, 1981 to 1984.

Manuscript Reviewer, **Science**, 1975 and 1982.

Editorial Board Member, **Educational Economics**, 1975 to 1980.

Consulting Editor, **American Educational Research Journal**, 1974 to 1978.

Abstractor, **Educational Administration Abstracts**, 1973 to 1982.

### **Technical Assistance/Universities and Research Organizations**

Graduate College, University of Queensland, St. Lucia, Queensland, Australia.

Center for Equity in Education, University of Wisconsin - Milwaukee.

School of Occupational and Adult Education, Oklahoma State University.

Minnesota Research and Development Center for Vocational Education, University of Minnesota.

Institute of Industrial and Labor Relations, University of Houston.

Fels Center of Government, University of Pennsylvania.

Family Financial Planning Center, Indiana State University.

College of Education, VPI & State University.

Center for Study of Human Resources, University of Texas at Austin.

Bureau of Education Research and Development, University of California at Santa Barbara.

Southwest Educational Development Laboratory (Austin, TX)

South Lane Education Association (Cottage Grove, OR)

Research for Better Schools (Philadelphia, PA)

Region VI Education Service Center (Huntsville, TX)

Region IV Education Service Center (Houston, TX)

Pennsylvania Health Research Institute (Harrisburg, PA)

Oregon State Board of Higher Education (Corvallis, OR)

Oregon Educational Coordinating Council (Salem, OR)

Office of City Manager (Eugene, OR)

Northwest Regional Education Laboratory (Portland, OR)  
Longman, Inc. (New York, NY)  
Hispanic Policy Development Corporation (Washington, D.C.)  
Houston Community College System (Houston, TX)  
Government Studies and Systems (Philadelphia, PA)  
Decision Sciences Division, National Science Foundation (Washington, D.C.)  
Corporation for Research and Engineering in Education (Bryan, TX)  
Coordinating Board, Texas College and University System (Austin, TX)  
Changing Times Educational Services (Washington, D.C.)  
Capla Associates (Rochelle Park, NJ)  
ASPIRA Institute for Educational Policy Research (Washington, D.C.)  
American Vocational Research Corporation (Washington, D.C.)  
ACESYSN.COM (Houston, TX)  
NOVA Southeastern University (North Miami Beach, FL)  
Charles A. Dana Center, University of Texas at Austin

### **Technical Assistance/School Districts**

Sweet Home SD (Sweet Home, OR)  
Special Intermediate SD No. 916 (St. Paul, MN)  
Springfield SD (Springfield, OR)  
Spring ISD (Spring, TX)  
Navasota ISD (Navasota, TX)  
Lincoln County SD (Newport, OR)  
Katy ISD (Katy, TX)  
John F. Kennedy Vocational Center (Philadelphia, PA)  
Houston ISD (Houston, TX)  
Glen Rock SD (Glen Rock, NJ)  
Dallas ISD (Dallas, TX)  
College Station ISD (College Station, TX)  
Bucks County Schools (Doylestown, PA)  
Bryan ISD (Bryan, TX)

### **Training and Evaluation**

Member of the University Council for Educational Administration Paper and Symposia Committee from 1990 to present.

Member of the American Educational Research Association Paper and Symposia Review Committees from 1972 to present.

Member, 1984 and 1985 American Institute for Decision Sciences Conference Paper Review Committee.

Member of the Southwest Educational Research Association Paper and Symposium Review Committee from 1983 to present.

Member, 1978-79 Singleton Ratio Study Team commissioned by the Houston Independent School District Board of Education to examine and report on the impact of the district's faculty desegregation plan on campus environments and learning outcomes.

Participant, 1978 National Institute of Education Invitational Conference on School Organization and Effects, San Diego, California.

Member of the 1972-1975 General-Special Education Administration Consortium (GSEAC) Task Force on Assessing Futuristic Methods.

Instructional staff for the research training session entitled "Presession VIII: Operations Analysis Techniques in Educational Planning," sponsored by the American Educational Research Association and the National Science Foundation and held in connection with the 1971 annual meeting of the AERA in New York City.

### **OTHER PROFESSIONAL DEVELOPMENT ACTIVITIES**

Designing Effective Surveys, Corporate Training Session, The Institute for Professional Education, San Francisco, California, December 1998.

Processing and Analyzing Questionnaire Data, Marketing Research Training Session, Anderson, Neibuhr and Associates, Atlanta, Georgia, October 1986.

Questionnaire Design and Use, Marketing Research Training Session, Anderson, Neibuhr and Associates, Minneapolis, Minnesota, May 1985.

Ohio State University Conference on Teaching of Statistics and Statistical Consulting, Columbus, Ohio, November 1980.

Thirty-Third Annual Summer Institute for Survey Researchers, Survey Research Center, University of Michigan, June/July/August 1979.

University Council for Educational Administration Career Seminar on Educational Futurism and Long-Range Planning, University of Minnesota, November 1972.

Manpower Research and Planning Workshop, The Institute for Research on Human Resources, The Pennsylvania State University, October 1969.

Systems Engineering Management Training Course, Missile and Space Division, General Electric Company, Valley Forge, Pennsylvania, March 1967.

Human Resources Development Institute, School of Business, Lehigh University, June 1967.

University of Denver, Denver, Colorado, 1967, ESEA Title V Institute in Research and Development Management.

## FUNDED PROPOSALS

Since 1981 Dr. McNamara has secured grants to conduct advanced doctoral training seminars that take the form of project-based learning exercises. Specifically, each funded seminar addresses a real organizational problem presented at the beginning of the term to the seminar group by one or more practitioners who then serve as the decision maker and commissioning agent. During the term the seminar group develops a solution and a written report. The report is presented to the commissioning agent (decision maker) at the close of the term.

Funds are secured to cover only the expenses incurred in these problem-based learning exercises. No consultant fees are awarded, but the commissioning agent must agree to a public presentation of the findings and be prepared to distribute copies of the written final report (at cost) to others who share an interest in the organizational problem addressed.

"A Tobacco Use Survey of the Fourth and Eighth Graduate Students in the Bryan and College Station Schools." A 1995 grant from the Brazos Valley HealthSmart Coalition to support the design of an eight-year longitudinal survey of all 1994-95 fourth grade students in the Bryan/College Station community. Results of the first year survey using a true probability sampling design were presented in chart essay form to the Coalition in May 1995. The project was conducted in my Spring 1995 graduate course **EPSY 683: PRACTICUM IN SURVEY RESEARCH.**

"Evaluation of the Minority Mentorship Project." A 1989 grant from the TAMU Intercultural Education Research Center to assess the views of TAMU undergraduates (mentors), College Station and Bryan junior high school students (mentees) and the parents of these public school students on the success of this experimental mentorship program. This project was conducted in my Spring 1989 graduate course **EPSY 683: PRACTICUM IN SURVEY RESEARCH.**

"Evaluation of the TAMU Multiethnic Reading/Language Arts Program for Low Achieving Elementary and Junior High School Students." A grant from the Meadows Foundation (Dallas, TX) to evaluate the experimental use of this program in the Bryan Independent School District. The project was conducted in my Spring 1987 graduate course **EPSY 683: PRACTICUM IN SURVEY RESEARCH.**

"Assessment of the Continuing Education Needs of School Psychologists in North America." A 1986 grant from the American Psychological Association (Washington, D.C.) to conduct a survey of practicing school psychologists in the United States and Canada regarding their professional continuing education needs. Grant included funds for students to present these findings to the APA Division 16 Committee on Continuing Education. This large-scale survey was conducted in my Spring 1986 graduate course **EPSY 683: PRACTICUM IN SURVEY RESEARCH.**

"College Station Independent School District Cooperative Research Project on the Administrative Applications of Microcomputers in the A&M Consolidated High School." A grant funded by CSISD to support a field study at the high school. Research project was incorporated in my Spring 1984 graduate course **EDAD 689: MICROCOMPUTERS IN EDUCATIONAL ADMINISTRATION.**

"Project Based Teaching in a Graduate School of Education." A 1984 grant from the Fund for Innovations in College Teaching, Texas A&M University Center for Teaching Excellence to support project-based teaching in **EDAD 689: MICROCOMPUTERS IN EDUCATIONAL ADMINISTRATION.**

"College Station Independent School District Cooperative Research Project on the Administrative Applications of Microcomputers in CSISD." A grant funded by CSISD to support a field study in the school district. Research project was incorporated in my Summer 1982 graduate course **EDAD 689: ADMINISTRATIVE APPLICATIONS OF COMPUTERS.**

"Spring Independent School District Survey Research Project." Grant/Contract No. SISD 021348. A grant funded by SISD to support the cost of conducting three probability samples--parents (5300 families in population) and teachers and students in each of the district's 15 school campuses. This research project was incorporated in my Fall 1981 graduate course **IDED 689: SURVEY RESEARCH IN EDUCATIONAL ORGANIZATIONS.**

"Identification of Competencies Needed by School Superintendents Serving as Vocational Directors." Department of Health, Education and Welfare, U.S. Office of Education; Project No. 498AH50136, Grant No. G00750040; Project Director, 1975. (18 months @ \$106,000).

## **ADVISORSHIPS**

Heidi J. Koehler. "A Comparative Analysis of Results Based on Using the Vote Count Method and Meta-Analysis as Two Alternative Strategies for Integrating the Findings of Individual Research Studies That Investigate Gender Differences in Identity Formation of College Students," Ph.D. Dissertation, Texas A&M University, December 2000.

Kathleen H. Clark. "Writing Achievement of Degree and Non-Degree International Students Enrolled in the English Language Institute at Texas A&M University: An Exploratory Field Study," Ph.D. Dissertation, Texas A&M University, December 1999.

Frederick J. Kier. "Shortcomings of Present Practice in Applied Psychology Research: A Meta-Analytic Inquiry," Ph.D. Dissertation, Texas A&M University, August 1999.

Sandra L. Etheredge. "Developing Statistics and Data Analysis Skills for School Principals: An Exploratory Study," Ed.D. Record of Study, Texas A&M University, August 1999.

- Mary J. Jones. "Developing Statistics and Data Analysis Skills for Principal Preparation Programs: An Exploratory Study," Ed.D. Record of Study, Texas A&M University, August 1999.
- Barbara E. Polnick. "Developing Statistics and Data Analysis Skills in Middle School Principals: An Exploratory Study," Ed.D. Record of Study, Texas A&M University, August 1999.
- Eun Young Song. "A Statistical Synthesis of Sexuality Education Studies, 1960-1997: A Meta-Analysis Approach," Ph.D. Dissertation, Texas A&M University, December 1998.
- Robert J. Johnson. "Case Studies of Expected Climate at Two Bilingual Education Schools," Ph.D. Dissertation, Texas A&M University, August 1997. (This dissertation won the 1998 Outstanding Dissertation Award sponsored by the National Association for Bilingual Education.)
- Jane B. Hughey. "The Effects of Facilitative Teacher Response and Revision Strategies on Adolescent Writing Achievement," Ph.D. Dissertation, Texas A&M University, May 1994.
- David P. Thompson. "Job Satisfaction: A Synthesis of Research in the **Educational Administration Quarterly**," Ph.D. Dissertation, Texas A&M University, August 1993. (This dissertation won both the 1994 American Educational Research Association Division A Dissertation Award and the 1994 National Council of Professors of Educational Administration Dissertation Award.)
- Vija K. Ziemelis Little. "Cognitive Correlates of Depression in Regular Education and Emotionally Disturbed Children," Ph.D. Dissertation, Texas A&M University, December 1989.
- Rebecca Nolan. "The Ability of the Beck Depression Inventory to Predict Undergraduate Student Responses to Optimistic, Neutral, and Pessimistic Stories," Ph.D. Dissertation, Texas A&M University, August 1989.
- Donna N. Smith. "An Integration of Dissertations Written in 1969-1985 in the Texas A&M University Department of Educational Psychology," Ph.D. Dissertation, Texas A&M University, May 1988.
- Stephen P. Biles. "Development of a Model for Technical Assistance in a University-School Partnership to Improve the Reading and Writing Skills of Low Achieving Elementary and Junior High School Students," Ph.D. Dissertation, Texas A&M University, May 1988.
- Jerral D. Taylor. "Alternative Education Programs for Disruptive Students: A Survey of Texas School District Responses to House Bill 72," Ph.D. Dissertation, Texas A&M University, August 1987.

Patsy C. Howard. "American-Sponsored Overseas Schools: A Dissertation Integration," Ph.D. Dissertation, Texas A&M University, May 1983.

David H. Gill. "Aspects of Vocational Development in Older Males: An Exploratory Study," Ph.D. Dissertation, Texas A&M University, May 1981.

Mohammad S. Mohagheghzadeh. "A Comparison of Various Multiple Regression Methods Applied to Longitudinal Evaluation Studies in Vocational Education," Ph.D. Dissertation, Texas A&M University, May 1980.

Marjorie K. Hanson. "Ecological Inferences Drawn from Published Aggregate Level Basic Skills Achievement Reports," Ph.D. Dissertation, Texas A&M University, May 1980.

David W. Gardner. "Ecological Fallacies Encountered in the Use of Published Aggregate Level Basic Skills Achievement Reports," Ph.D. Dissertation, Texas A&M University, December 1979.

Charol S. Shakeshaft. "Dissertation Research on Women in Educational Administration: A Synthesis of Findings and Paradigm for Future Research," Ph.D. Dissertation, Texas A&M University, September 1979.

Mark Keller. "Program Effects of Adult Education on the Cognitive Achievement of Learners: A Multivariate Computer Case Analysis," Ph.D. Dissertation, Texas A&M University, September 1979.

William Foley. "Analysis and Educational Decision Making: Toward a Theory into Practice," Ed.D. Dissertation, Columbia University, August 1976.

Rhonda Pierre. "An Analysis of Possible Sex Differences in Reading Achievement of Pupils from Open and Tradition Classroom Settings," Ed.D. Dissertation, Columbia University, July 1976.

Louis Aragona. "The Functional Utilization of Information Decision Making by Chief-School Officers," Ed.D. Dissertation, Columbia University, July 1976.

Joan Lewis. "Improvement of Principal-Teacher Communications: An Application of a Participatory Policy Planning Model," Ed.D. Dissertation, Columbia University, June 1976.

Hugh Milam. "The Community College of the Air Force: A Case Study and Organizational Analysis," Ph.D. Dissertation, Texas A&M University, August 1975.

Otheil Erlund. "A Forecast of Critical Tasks for the Role of Planning and Evaluation Specialists in Texas Regional Education Service Centers," Ph.D. Dissertation, Texas A&M University, April 1975.

Edward Jackowski. "The Functions, Products and Financial Support of Urban School District Research Departments in Texas," Ph.D. Dissertation, Texas A&M University, December 1974.

Raul Coy. "The Congruence Between Descriptive and Tacit Dimensions of Attitudes Toward Community Education," Ph.D. Dissertation, Texas A&M University, August 1974.

Thomas Holleman. "Cost Effectiveness of Graduate Work-Study Programs," Ph.D. Dissertation, Texas A&M University, May 1974.

John Hurnard. "The Development of a Systematic Procedure for Determining Teacher Assignment Preferences," Ph.D. Dissertation, University of Oregon, June 1973.

### **COMMUNITY AND CIVIC ACTIVITIES**

Brazos Valley (Texas) HealthSmart Coalition  
College Station (Texas) Youth Soccer Club  
College Station (Texas) Little League  
College Station (Texas) Tiger Club

**This biographical data sheet which was prepared to meet the required TAMU format is on file in the Office of the Associate Dean for Research, College of Education, Texas A&M University. Abbreviated special biographical data sheets for research proposals, public information officers and speakers bureaus are also available.**