

## **CURRICULUM VITAE, W&M PROVOST'S STANDARD FORMAT**

### **PERSONAL INFORMATION**

1. Name: David J. Lutzer

Date: August 31, 2007

Office Address: Jones Hall 114

Office Phone: 221-4006

Home Address: 188 Lewis Robert Lane, Williamsburg, VA 23185

Home Phone: 220-4988

2. Position: Professor and Chair, Mathematics Department

### **EDUCATION**

3. Degrees, institutions, dates

B.S.; Creighton University, Omaha, 1964

Diploma in Advanced Mathematics; Oxford University, Oxford, 1966

Ph.D.; University of Washington, Seattle, 1970

### **ACADEMIC POSITIONS**

4. Teaching, research, and administrative positions, including dates

College of William and Mary, Chair, Mathematics Department, 2007-present.

College of William and Mary, 1995-present, Professor; Chancellor Professor, 2001-present.

College of William and Mary, June-August, 1993, Acting Provost

College of William and Mary, 1987-1995, Dean of the Faculty and Professor

Miami University, 1982-1987, Department Chair and Professor

National Academy of Sciences Exchange Visitor, Polish Academy of Sciences, Summer, 1980

Vrije Universiteit, Amsterdam, Summer, 1979, Visiting Professor

National Academy of Sciences Exchange Visitor, Polish Academy of Sciences, Summer, 1978

National Academy of Sciences Exchange Visitor, Czech Academy of Sciences, Summer, 1977

Texas Tech University, 1976-1982; Visiting Professor, Associate Professor, and Professor

University of Pittsburgh, 1970-1978, Assistant and Associate Professor

University of Washington, January to June 1970, Instructor.

## **HONORS, PRIZES, AND AWARDS**

### 5.a) Professional prizes, awards, honors

Virginia Outstanding Faculty Award, February, 2006

Jefferson Award, College of William and Mary, 1995

NSF and NDEA fellowships, 1964 and 1966

Rhodes scholarship, 1964-66 and Wilson Scholar, 1964

See also Fellowships and Grants, below.

### 5.b) Editorial positions on scholarly journals

Editor, AMS Proceedings, 1980-1983

Associate Editor, AMS Proceedings, 1976-1980

### 5.c) Service on review boards outside of the College

Member, Virginia Rhodes Nomination Panel, 1998

Member, NSF mathematics curriculum projects review panel, 1994

Member, NSF review panel for curricular grants, 1994

Reviewer for FIPSE grant competition, 1990 and 1991

Member, selection panel for NATO postdoctoral fellows, 1981

### 5.d) Offices in professional societies

Member, AMS Governing Council, 1980-1983

## **COURSES TAUGHT**

6.) Calculus, Business Calculus, Linear Algebra, Foundations of Mathematics, Real Analysis (undergraduate and graduate), Modern Algebra, General and Algebraic Topology (undergraduate and graduate), Undergraduate Honors Thesis supervision for Cynthia Bowers(1999), Will Funk (2002), and Kevin Duke(2005).

## **FELLOWSHIPS AND GRANTS**

### 7.a) All fellowships, grants, contracts, etc. awarded by outside agencies (dates, sources, amounts)

Project Director, CBMS2005 Survey, NSF 2003-2007, \$295,000

Project Director, CBMS2000 survey, NSF 1999-2002, \$250,000

Project Director, NSF REU grant, 1997-2000 and 2000-2002, \$290,000

Project Director, NEH Challenge Grant to the College of William and Mary, (with Clyde Haulman and Joel Schwartz), 1989-1994, \$900,000

Project Director, FIPSE Grant to the College of William and Mary, (with Clyde Haulman and Randolph Coleman), 1990-1994, \$150,000

Project Director, various Funds for Excellence grants from Virginia's State Council for Higher Education to William and Mary, 1988 to 1995

Project Director, Academic Challenge departmental grant to Miami University from the Ohio Board of Regents, 1986

Program Excellence departmental award from the Ohio Board of Regents to Miami University, 1986

co-PI, NSF LOCI program grant, "Computer literacy for middle school mathematics teachers," 1981-83

National Academy of Sciences Eastern European Exchange Program, 1977 (Prague), 1978 (Warsaw), 1980 (Warsaw)

NSF grants in 1971, 72, 74, 75-76, 77-78, 80-82

NATO grants in 1976, 1981-84

7.b) All summer grants and Faculty Research Assignments received from William and Mary, with dates awarded.

William and Mary Faculty Research Assignment, 2004-05(awarded fall 2003)

William and Mary Faculty Research Assignment, Spring, 1998 (awarded Fall, 1996)

William and Mary Faculty Resdearch Assignment, 2005-06 (awarded Fall, 2003)

## **RESEARCH**

8. Scholarly activity under the following separate headings with full bibliographic data (including page numbers):

a) Refereed publications in periodicals, chapters in books, law review articles, and conference proceedings. Most of these are available at <http://www.math.wm.edu/~lutzer/drafts>.

Domain repretability of  $C_p(X)$ , (with H. Bennett), submitted

Domain representability of certain function spaces, (with H. Bennett), submitted.

Scott representability of some spaces of Tall and Miskin, (with H. Bennett), submitted.

Selected ordered space problems, (with H. Bennett), pp. 3-9 in *Open Problems in Topology, II*, ed. by E. Pearl, Elsevier, New York, 2007.

Amsterdam properties of  $C_p(X)$  imply discreteness of  $X$ , (with J. van Mill and V. Tkachuk), *Canadian Math. Bull.*, to appear.

Scott-domain representability of a class of generalized ordered spaces, (with K.W. Duke), *Topology Proceedings*, to appear.

Domain representability and the Choquet game in Moore and BCO spaces (with H. Bennett and G.M. Reed), *Topology and its Applications* to appear.

A countably based domain representation of a non-regular Hausdorff space (with H. Bennett), *Topology Proceedings* 30(2006)83-94.

Domain representability of certain complete spaces (with H. Bennett), *Houston J. Math.*, to appear.

Domain representable spaces (with H. Bennett), *Fundamenta Math.* 189(2006), 255-268.

Compact  $G_\delta$ -sets (with H. Bennett), *Topology and its Applications* 153(2006), 2169-2181.

The NSF budget: Not far away from us, *FOCUS* 25(2005), 32.

On a question of Maarten Maurice (with H. Bennett), *Topology and its Applications* 153(2006), 1631-1638.

Science policy at the MAA, *FOCUS* 24(2004), 10-11.

Quarter-stratifiability in ordered spaces (with H. Bennett), *Proceedings Amer. Math. Soc.* 134(2006), 1835-184.

The arithmetic of algebraic numbers: an elementary approach (with C.K. Li), *College Mathematics Journal* 35(2004), 307-309.

The  $\beta$ -space property in generalized ordered and monotonically normal spaces, (with H. Bennett), *Topology and its Applications* 153(2006), 2218-2228.

The monotone Lindelöf property and separability in ordered spaces, (with H. Bennett and M. Matveev), *Topology and its Applications* 151(2005), 180-186.

Lexicographically ordered trees, (with Will Funk), *Topology and its Applications* 151(2005), 275-300.

Staffing shifts in mathematical sciences departments, (with J. Maxwell), *Notices Amer. Math. Soc.* 50(2003), 683-686.

Mathematics majors, 2002, *Notices Amer. Math. Soc.* 50(2003), 235-237.

Branch space representations of lines, (with Will Funk), *Topology and its Applications* 151(2005), 187-214.

Spaces with  $< \omega$ -weakly uniform bases, (with H. Bennett), *Topology Proceedings* 27(2003).

Metrically fibered generalized ordered spaces, (with H. Bennett), *Topology and its Applications* 130(2003), 283-290.

Trees, lines, and branch spaces, (with H. Bennett and M. Rudin), *ORDER* 19(2002), 367-384.

Continuous separating families in ordered spaces and strong base conditions, (with H. Bennett), *Topology and its Applications* 119(2002), 305-314.

Linearly Ordered and Generalized Ordered Spaces, (with H. Bennett), pages 326-330 in *Encyclopedia of General Topology*, ed. by Hart, K., Nagata, J., and Vaughan, J., Elsevier, Amsterdam, 2004.

Recent developments in the topology of ordered spaces, (with H. Bennett), pp. 83-110 in *Recent Progress in General Topology, II*, ed. by M. Hušek and J. van Mill, North Holland, Amsterdam, 2002.

Cleavability in ordered spaces, (with R. Byerly and H. Bennett), *ORDER* 18(2001), 1-17.

OIF spaces (with Z. Balogh, H. Bennett, D. Burke, G. Gruenhagen, and J. Mashburn) *Questions and Answers in General Topology* 18(2000), 129-141.

Generalized ordered spaces with  $\sigma$ -closed discrete dense subsets (with H. Bennett and R. Heath), *Proceedings of the American Mathematical Society* 129 (2000), 931-939.

Weakly perfect generalized ordered spaces (with H. Bennett and M. Hosobuchi), *Houston Journal of Mathematics* 26(2000), 609-627.

Baire and Volterra spaces, (with G. Gruenhagen), *Proceedings of the American Mathematical Society* 128(2000), 3115-3124.

A note on perfect ordered spaces (with H. Bennett and M. Hosobuchi), *Rocky Mountain Journal of Mathematics* 29(1999), 1195-1207.

Isomorphic subgroups and applications of Q-linearity (with S. Fallat, C-K Li, and D. Stanford), *Mathematics Magazine* 72 (1999), 388-391.

Advising mathematics majors, in *Encyclopedia of Mathematics Education*, ed. by Grinstein, L. and Lipsey, S., Routledge-Falmer, New York, 2001.

On dense subspaces of generalized ordered spaces (with H. Bennett and S. Purisch), *Topology and its Applications* 93(1999), 191-205.

Ordered spaces with special bases (with H. Bennett) *Fundamenta Math.* 158 (1998), 289-299.

A metric space of A.H. Stone and an example concerning sigma-minimal bases, (with H. Bennett), *Proc. Amer. Math. Soc.* 126(1998), 2183-2189.

Off-diagonal metrization theorems, (with H. Bennett) *Topology Proceedings* 22(1997), 37-58.

A note on paracompactness in generalized ordered spaces, (with E. van Douwen), *Proc. Amer. Math. Soc.* 125 (1997), 1237-1245.

Diagonal conditions in ordered spaces, (with H. Bennett), *Fundamenta Math.* 153 (1997), 99-123.

Point-countability in generalized ordered spaces, (with H. Bennett), *Topology and its Applications* 71, (1996), 149-165.

A note on Property III in generalized ordered spaces, (with H. Bennett), *Topology Proceedings* 21 (1996), 15-24.

Problems on Perfect Ordered Spaces (with H. Bennett), in *Open Problems in Topology*, ed. by J. van Mill and G. Reed, North Holland, Amsterdam, 1990, pp. 231-236.

Computer Science Literacy Training for Educators: A Case Study, (with J. Winer, M. Strauss, D. Walling, and N. Ronshausen), *Journal of Computers in Mathematics and Science Teaching* 7 (1988), 26-42.

On powers of certain lines (with D. Burke), *Topology and Appl.* 26(1987), 251-261.

Functional characterization of certain p-spaces (with D. Burke), *Topology and Appl.* 20 (1985), 161-165.

Function spaces of low Borel complexity (with J. Dijkstra, T. Grilliot and J. van Mill), *Proceedings Amer. Math. Soc.* 94 (1985), 703-710.

Descriptive complexity of functions spaces (with J. van Mill and R. Pol), *Transactions Amer. Math. Soc.* 291 (1985), 121-128.

Generalized ordered spaces with capacities (with H. Bennett), *Pacific J. Math.* 112 (1984), 11-19.

Metrization, quasi-developments and  $\sigma$ -minimal bases, *Questions and Answers in General Topology* 2 (1984), 73-76.

Perfect normality in ordered spaces (with H. Bennett) in *Topology and Order Structures, II*, Math. Center Tracts, M.C., Amsterdam 1983, pp. 19-22.

Twenty questions on ordered spaces, in *Topology and Order Structures, II*, Math. Center Tracts, M.C., Amsterdam 1983, pp. 1-18.

Women, education, mathematics and computers: an instance of vocational incongruence (with Winer, Strauss, Walling, and Anderson), *J. Employment Counseling* 20 (1983), 12-18.

A new approach to computer literacy for elementary teachers (with Anderson, Ronshausen, Strauss, and Walling), *Collegiate Microcomputer* 1 (1983), 341-347.

New proofs of a metrization theorem for ordered spaces (with W. Kulpa), in *Topology and Order Structures, I* (ed. by H. Bennett and D. Lutzer), no. 142, Amsterdam, 1981.

Linearly ordered Eberlein compact spaces (with H. R. Bennett and J. van Wouwe), *Topology and its Applications* 12 (1981), 11-18.

Certain hereditary properties and metrizability in generalized ordered spaces, (with H. Bennett), *Fundamenta Math.* 107 (1980), 71-84.

On unions of metrizable subspaces (with E. van Douwen, J. Pelant and G. Reed), *Canad. Math. J.* 32 (1980), 76-85.

Metrizability of certain Pixley-Roy spaces (with H. R. Bennett and W. Fleissner), *Fundamenta Math.* 110 (1980), 51-61.

Ultraparacompactness in certain Pixley-Roy spaces (with H. R. Bennett and W. Fleissner), *Fundamenta Math.* 111 (1980), 11-18.

Category in function spaces, I (with R. McCoy), *Pacific J. Math.* 90 (1980), 145-168.

Ordered topological spaces, in *Surveys in General Topology*, ed. by G. M. Reed, Academic Press, New York, 1980, 247-295.

A note on perfect ordered spaces (with H. R. Bennett), *Topology Proceedings* 5 (1980), 27-32.

Continuous extenders in normal and collectionwise normal spaces (with T. Przymusiński), *Fundamenta Math.* 102 (1979), 165-171.

On the classification of stationary sets (with E. K. van Douwen), *Michigan J. Math.* 26 (1979), 47-63.

- A metrization theorem for generalized ordered spaces, *Topology Proceedings* 4 (1979), 265-269.
- Pixley-Roy topology, *Topology Proceedings* 3 (1978), 139-158.
- On subcategories of TOP (with S. Franklin and B. Thomas), *Trans. Amer. Math. Soc.* 225 (1977), 276-278.
- Some extensions of the Tietze-Urysohn theorem (with E. van Douwen and T. Przymusiński), *Amer. Math. Monthly* 84 (1977), 435-441.
- A selection-theoretic approach to certain extension theorems, in *Set Theoretic Topology*, ed. by G. M. Reed, Academic Press, 1977, pp. 269-276.
- Ordered spaces with  $\sigma$ -minimal bases, (with H. Bennett), *Topology Proceedings* 2 (1977), 371-382.
- Paracompactness in ordered spaces (with R. Engelking), *Fundamenta Math.* 94 (1976), 49-58.
- On constructing bases in certain complete spaces (with J. Aarts), *Indag. Math.* 38 (1976), 185-188.
- On a construction in abstract measure theory, *Canad. J. Math.* 29 (1975), 860-866.
- Hereditarily closure preserving collections and metrization (with D. Burke and R. Engelking), *Proc. Amer. Math. Soc.* 51 (1975), 483-488.
- On continuous extenders (with R. Heath and P. Zenor), pp. 203-214 in *Studies in Topology*, ed. by N. Stavrakas and K. Allen, Acad. Press, New York, 1975.
- A survey of generalized metric spaces (with D. Burke), pp. 1-70 in *Topology: Proceedings of the Memphis Topology Conference*, ed. by S. Franklin and B. Thomas, Lecture Notes in Pure and Applied Mathematics, Vol. 24 (1975), Marcel Dekker.
- Completeness properties designed for recognizing Baire spaces (with J. Aarts), *Dissertationes Mathematicae* 116 (1974), 45 pp.
- Dugundji extension theorems in linearly ordered spaces (with R. Heath), *Pacific J. Math.* 55 (1974), 419-425.
- A note on the Dugundji Extension Theorem (with H. Martin), *Proc. Amer. Math. Soc.* 45 (1974), 137-139.
- The Dugundji Extension Property and collectionwise normality (with R. Heath), *Bull. Polish Acad. Sci.* 22 (1974).

Monotonically normal spaces (with R. Heath and P. Zenor), *Trans. Amer. Math. Soc.* 178 (1973), 481-493.

The product of totally non-meagre spaces (with J. Aarts), *Proc. Amer. Math. Soc.* 38 (1973), 198-200.

Pseudo-completeness and the product of Baire spaces (with J. Aarts), *Pacific J. Math.* 48 (1973), 1-10.

Characterizations and mappings of M(i)-spaces (with C. Borges), in *Topology Conference VPI & SU*, Springer-Verlag Lecture Notes in Mathematics, Vol. 375, (1973), 43-50.

A note on weak  $\theta$ -refinability (with H. Bennett), *General Topology and its Applications* 2 (1972), 49-54.

Another property of the Sorgenfrey line, *Compositio Math.* 24 (1972), 359-363.

Ordinals and paracompactness in linearly ordered spaces, *General Topology and its Applications*, Springer-Verlag Lecture Notes in Mathematics, Vol. 378, (1972), 258-266.

On generalized ordered spaces, *Dissertationes Mathematicae* 89 (1972), 42 pp.

Semimetrizable and stratifiable spaces, *General Topology and Its Appl.* 1 (1970), 43-48.

Separability, the countable chain condition and the Lindelöf property in linearly orderable spaces (with H. Bennett), *Proc. Amer. Math. Soc.* 23 (1969), 664-667.

A metrization theorem for linearly orderable spaces, *Proc. Amer. Math. Soc.* 22 (1969), 557-558.

b) Books written:

*CBMS2005: Statistical Abstract of Undergraduate Programs in the Mathematical Sciences in the United States*, with E. Kirkman, J. Maxwell, and S. Rodi, American Mathematical Society, Providence, RI, 2007, 325 pages.

*CBMS2000: Statistical Abstract of Undergraduate Programs in the Mathematical Sciences in the United States*, (with J. Maxwell and S. Rodi) American Mathematical Society, Providence, RI 2002, 303 pages.

c) Edited volumes

*Topology and Order Structures I (1981) and II (1982)*, (with H. Bennett), Math. Center, Amsterdam

d) Articles published in non-refereed conference proceedings

A decade of REU at William and Mary (with C. Johnson), Proceedings of the Conference on Summer Undergraduate Mathematics Research Programs, ed. by J. Gallian, American Mathematical Society Providence, 2000, pp. 19-29.

On generalized ordered spaces, Proceedings of the Washington State Topology Conference, Washington State University, (1970), 102-110.

On quasi-uniform bases, Proceedings of the Oklahoma Topology Conference, University of Oklahoma (1972), 107-117.

e) Invited scholarly papers and talks

Session on Set-Theoretic Topology, NSF Spring Topology Conference, UNC Greensboro, March 2006.

Session on Topology and Computer Science, NSF Summer Topology Conference, Dennison College, July 2005.

Session on Set-theoretic Topology, NSF Summer Topology Conference, Dennison College, July 2005.

NSF Topology Conference, Rome, GA., March 2005.

Symposium Jan Aarts, Delft, NL, June 2003.

NSF Topology Conference, Miami University, November 2002.

Prague International Topology Conference, August, 2001.

NSF Topology and Dynamics Conference, San Antonio, March, 2000.

Special Session on Topology, AMS Regional Meeting, November, 1996, 1997, 1998, 1999.

Topology Conference, Warsaw, June, 1996.

Texas Tech University, November, 1995.

The politics of curriculum change, Washington, D.C., AAC workshop, November, 1995.

Exemplary undergraduate programs, NRC Department Chairs Colloquium, October, 1995.

Panel on Advising Methods That Work, San Francisco MAA/AMS meeting, January, 1995.

Panel on Assessment and curriculum change, Washington, D.C., AAC workshop, November, 1994.

Panel on Assessment and Undergraduate Advising, Virginia Assessment Group, Nov., 1994.

Panel on Advising Mathematics Majors, Minneapolis MAA/AMS meeting, August, 1994.

Panel on Guidelines for Departments of Mathematical Sciences, NRC Department Chairs Meeting, October 1992 and CCAS meeting, Washington, November, 1993.

Panel on AP Calculus Examinations, Baltimore AMS meeting, January, 1992.

Panel on Assessment, AAHE, San Francisco, June, 1991.

Panel on Assessment in Mathematics Departments, San Francisco MAA meetings, January, 1991.

Panel on Faculty Curriculum Leadership: the Role of Learned Societies, AAC, Washington, DC, January, 1991.

Ohio Section Meeting of the M.A.A., 1983.

University of Bremen, 1981.

Charles University, Prague, 1980.

Prague Topology Symposium, August, 2001.

Silesian University, Katowice, 1980.

Oxford University, 1979, 1981, 1983 and 1984.

Virginia Polytechnic Institute and State University Topology Conference, February 1979.

Oklahoma Topology Conference, March 1978.

Ohio University Topology Conference, December 1975.

Special Session on Topology, AMS South-East Sectional Meeting, 1975.

Special Session on Topology, AMS Winter Meeting 1973.

University of Amsterdam, 1979.

Institute for Medicine and Mathematics, Ohio University, 1979.

Polish Academy of Sciences, 1977, 1978, 1980 and 1996.

Vrije Universiteit, Amsterdam, 1976, 1977, 1978, 1981, 1984.

Czechoslovak Academy of Sciences, 1977 and 1978.

Miami University, 1976, 1982.

Texas Tech University, 1976, 1977, 1978, 1979, 1996.

Memphis Topology Conference, 1975.

West Virginia University Colloquium, 1971.

University of Pittsburgh/Carnegie-Mellon University colloquium series, 1970 and 1976.

f) Contributed scholarly papers and talks

Miscellaneous talks at A.M.S. annual meetings and topology conferences between 1970 and present

g) Reviews of books, software, etc.

Invited book review of "GO-spaces and generalizations of metrizable", Bulletin Amer. Math. Soc. 3 (1980), 886-891.

Numerous reviews of mathematical research articles in Mathematical Reviews

h) juried shows, exhibitions, and performances

i) unjuried shows, exhibitions, and performances

j) unrefereed publications not listed above

Four Surveys, Prague, 1977, Charles University Seminar Notes on Uniform Spaces, Charles University, Prague, 1-55.

Several short articles on advising mathematical sciences majors in MAA FOCUS (June, 1995, June, 1992, and October, 1994) and in UME Trends (January, 1993).

k) research reports from grant or contract work

l) performances by others of music, poetry, etc. you have written

m) published software, audio, multimedia, etc. materials

n) work in progress or submitted

On decreasing interval functions in ordered spaces, with H. Bennett.

On cozero-completmented ordered spaces, with H. Bennett.

Domain representability and completeness, with H. Bennett.

o) Other scholarly activity, including papers presented at professional meetings and publications of abstracts

Numerous papers presented at annual A.M.S. meetings and at Annual Topology Conferences

## **PROFESSIONAL SERVICE**

### 9. Professional Service Activities

#### 9.a) College committee service

Member, Faculty Committee on University Priorities, 2005-present.

Member, Presidential Search Committee, 2004-05.

Member, Associate Provost Search Committee, 2005.

Member, Library Policy Advisory Committee, 2001-04, and chair of Arts and Sciences subcommittee

Chair, Procedural Review Committee, 2002-03.

Member, Personnel Policy Committee, 2002-03.

Member, SACS Accreditation Planning Committee, 2001 - present.

President, Faculty Assembly, William and Mary, 1999-2000.

Vice-President, Faculty Assembly, William and Mary, 1998-9.

Member, Budget and Policy Advisory Committee, William and Mary, 1998-2001.

Chair, GER-1 assessment committee, W&M, 1998-2000.

Faculty adviser, W&M Mathematics Organization for Students, 1997-2000.

Chair, Library Dean Search Committee, W&M, 1996-7.

Member, Assessment Steering Committee, W&M, 1996-9 and 2002-05.

Member, GER-1 Pilot Study Committee, W&M, 1996-7.

Member, ad hoc Committee to Evaluate Faculty Assembly, W&M, 1996-7.

Member, Mathematics Education Search Committee, School of Education, W&M, 1995-6 and 1996-7.

Member, Graduate Arts and Sciences Physics Program Review Committee, W&M, 1995-6.

Member, W&M Mathematics Department Personnel Committee, 1995-2006, chair in most of those years.

Chair, W&M Mathematics Department Undergraduate Curriculum Committee, 1997-2006.

Member, William and Mary Assessment Steering Committee, Faculty Affairs Committee, Educational Policy Committee, University Policy Advisory Committee, 1987-1995, 1996-9, 2001-04, 2005-present.

Member, William and Mary Strategic Planning Committee, 1993-1995.

Member, W&M Provost Search Committee, William and Mary, 1992-3.

Vice Chair, Miami University School of Education Certification Review Committee, 1986-87.

Member, Miami University ad hoc Committee on University Governance, 1985-86.

Member, Miami University Associate Dean Search Committee, 1983.

Member, Miami University Committee of Arts and Science Chairs, 1983-86.

Chair, Undergraduate Program Committee, Texas Tech University, 1977-82.

Member, Hiring Committee, Merit Raise Committee and Departmental Executive Committee, Texas Tech, 1978-79.

Undergraduate Program Director, Texas Tech, 1979-81.

Chair, Undergraduate Committee, University of Pittsburgh and Undergraduate Program Director, 1975-76.

Member, Undergraduate Committee, University of Pittsburgh, 1974-76.

9.b) Other professional service not included in item 5 above

Refereeing for various professional journals: *AMS Proceedings*, *AMS Transactions*, *MAA Monthly*, *Topology and its Applications*, *Fundamenta Mathematicae*, *Houston Journal of Mathematics*

Professional society committee appointments:

Member or alternate, Joint Policy Board for Mathematics (JPBM), 2003-present

Member, AMS-ASA-IMS-MAA Joint Data Committee, 2003-present.

Chair, CBMS2005 Steering Committee, 2003-2008

Chair, CBMS2000 Steering Committee, 1998-2003

Chair, MAA Science Policy Committee, 2002-present; chair 2003-present

Member, MAA Committee on the Profession, 1997-present

Member, MAA Committee on Departmental Standards, 1997-2001

Chair, MAA Committee on Advising, 1992-2001

Co-Chair, Mutual Concerns Committee of MAA and the College Board, 1996-2001; member starting in 1992

Member, MAA/NSF Committee on Exemplary Programs, 1993-96

Member, Steering Committee for the 1995 CBMS survey of Undergraduate Mathematical Sciences Departments, 1993-96

Member, AMS/MAA Committee on Departmental Standards, 1990-1993

Member, AMS Committee on Employment and Educational Policy, 1987-1991

Member, MAA task force for the AAC report on Liberal Education, Study in Depth and the Major, 1988-1991

Member, AMS/MAA Data Committee, 1987-1994

Member, A.M.S. Department Chairs' Steering Committee, 1985-1987; chair 1987-1989

Member, MAA Subcommittee on the Undergraduate Mathematics Major, 1988-90

Consultant, MAA/Sloan committee to prepare a study of collegiate mathematical resources, 1985

Member, MAA Committee on Publication Procedures, 1981-82