

## CURRICULUM VITAE

April 15, 2019

### **NICHOLAS R. MILLER**

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Professor Emeritus of Political Science  
University of Maryland Baltimore County (UMBC)  
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### **Education:**

B.A. Harvard University (Government), 1963  
M.A. University of California, Berkeley (Political Science), 1964  
Ph.D. University of California, Berkeley (Political Science), 1973

### **Academic Positions:**

2011- Professor Emeritus of Political Science, UMBC  
2011-2017 Research Professor of Political Science, UMBC  
1991-2011 Professor of Political Science, UMBC  
1985-1991 Chair, Department of Political Science, UMBC  
1979-1991 Associate Professor of Political Science, UMBC  
1973-1979 Assistant Professor of Political Science, UMBC  
1971-1973 Instructor in Political Science, UMBC  
1970-1971 Research Assistant, Survey Research Center, UC Berkeley  
1968-1970 Research Assistant (for Robert Axelrod), Department of Political Science, UC Berkeley  
1964-1967 Teaching Assistant, Department of Political Science, UC Berkeley

### **Other Academic Affiliations:**

2016- Research Associate, Centre for Philosophy of Natural and Social Science, London School of Economics  
Spring 1981 Visiting Associate Professor (part-time) in Government and Politics, University of Maryland College Park  
Summer 1980 Instructor in Summer Training Program, Interuniversity Consortium for Political and Social Research (ICPSR), University of Michigan  
Spring 1980 Visiting Associate Professor (part-time) in Government and Politics, University of Maryland College Park

### **Courses Taught:**

How Should We Elect the President? (undergraduate, UMBC)  
Electoral Systems and Representation (undergraduate, UMBC)  
Formal Political Theory (graduate, ICPSR)  
Presidential Elections (undergraduate, UMBC)  
Theory of Public Choice (graduate, UMCP; co-taught with Mancur Olson)  
American Political Arena (graduate, UMBC)  
American Government (undergraduate, UMBC)

**Courses Taught** (cont.):

Political Parties and Elections (undergraduate, UMBC)  
 Quantitative Research Methods in Political Science (undergraduate, UMBC)  
 Dimensions of Politics (undergraduate, UMBC)  
 The Presidency (undergraduate, UMBC)  
 International Conflict and Cooperation (undergraduate, UMBC)  
 Democratic Theory (undergraduate, UMBC)  
 Game Theory and Politics (undergraduate, UMBC)  
 American Party Politics Today (undergraduate, UMBC)  
 Introduction to Government (undergraduate, UCB)  
 Political Parties (undergraduate, UCB)

**Research and Publications:****A. Books**

*Handbook of Social Choice and Voting* (co-editor with Jac C. Heckelman). Cheltenham, UK: Edward Elgar, 2015.  
*Committees, Agendas, and Voting*. Fundamentals of Pure and Applied Economics, Volume 58. London: Harwood Academic Publishers, 1995.

**B. Journal Articles**

“Reflections on Arrow’s Theorem and Voting Rules,” *Public Choice* (special issue in honor of Kenneth Arrow), 179/1-2 (April, 2019): 113-124.  
 “What To Do about Election Inversions under Proportional Representation?” (with Dan S. Felsenthal), *Politika: The Israeli Journal of Political Science & International Relations*, 26 (2017): 46-68 [reprinted with minor revisions from *Representation* (2015) and translated into Hebrew].  
 “Closeness Matters: Monotonicity Failure in IRV Elections with Three Candidates,” *Public Choice*, 173/1-2 (October, 2017): 91-108.  
 “What To Do about Election Inversions under Proportional Representation?” (with Dan S. Felsenthal), *Representation*, 51/2 (August, 2015): 173-186.  
 “Election Inversions under Proportional Representation,” *Scandinavian Political Studies*, 38/1 (March 2015): 4-25.  
 “The House Size Effect and the Referendum Paradox in U.S. Presidential Elections,” *Electoral Studies*, 35 (September, 2014): 265-271.  
 “The Alternative Vote and Coombs Rule Versus First-Past-The-Post: A Social Choice Analysis of Simulated Data Based on English Elections, 1992-2010,” *Public Choice*, 158/3-4 (March, 2014): 399-425.  
 “Why the Electoral College is Good for Political Science (and Public Choice),” *Public Choice*, 150/1-2 (January, 2012): 1-25.  
 “Banzhaf Voting Power, Random Elections, and the Electoral College Winner’s Advantage,” *Electoral Studies*, 30 (December, 2011): 829-833.  
 “The Uncovered Set and Indifference in Spatial Models: A Fuzzy Set Approach” (with John N. Mordeson, Terry D. Clark, Peter C. Casey, and Michael B. Gibilisco), *Fuzzy Sets and Systems*, 168 (April, 2011): 89-101.

**B. Journal Articles** (cont.)

- “Agenda Trees and Sincere Voting: A Second Response to Schwartz,” *Public Choice*, 145/3-4 (December, 2010): 575-579.
- “Agenda Trees and Sincere Voting: A Response to Schwartz,” *Public Choice*, 145/1-2 (October, 2010): 213-221.
- “A *Priori* Voting Power and the U.S. Electoral College,” *Homo Oeconomicus*, 26/3-4 (2009): 341-380.
- “The Butterfly Effect under STV,” *Electoral Studies*, 26 (June, 2007): 497-500.
- “In Search of the Uncovered Set,” *Political Analysis*, 15 (Winter, 2007): 21-45.
- “Power in Game Forms.” *Homo Oeconomicus*, 16/2 (1999): 219-243 [reprinted from *Power, Voting, and Voting Power* (ed. by M. J. Holler), Vienna, Physica-Verlag, 1982].
- “Information, Individual Errors, and Collective Performance: Empirical Evidence on the Condorcet Jury Theorem.” *Group Decision and Negotiation*, 5 (May, 1996): 211-228.
- “The Structure of the Banks Set” (with Bernard Grofman and Scott L. Feld), *Public Choice*, 66 (September, 1990): 243-251.
- “Cycle Avoiding Trajectories, Strategic Agendas, and the Duality of Memory and Foresight: An Informal Exposition” (with Bernard Grofman and Scott L. Feld), *Public Choice*, 64 (March 1990): 265-278.
- “The Geometry of Majority Rule” (with Bernard Grofman and Scott L. Feld). *Journal of Theoretical Politics*, 1 (October, 1989): 379-406.
- “Limits on Agenda Control in Spatial Voting Games” (with Scott L. Feld and Bernard Grofman). *Mathematical and Computer Modelling*, 12/4-5 (1989): 405-416.
- “Centripetal Forces in Spatial Voting: On the Size of the Yolk” (with Scott L. Feld and Bernard Grofman). *Public Choice*, 59 (October, 1988): 37-50.
- “The Uncovered Set in Spatial Voting Games”(with Scott L. Feld, Bernard Grofman, Richard Hartley, and D. Marc Kilgour). *Theory and Decision*, 23 (September, 1987): 129-155.
- “Bicameralism and the Theory of Voting: A Comment.” *Western Political Quarterly*, 37 (December, 1984): 641-647.
- “Pluralism and Social Choice.” *American Political Science Review*, 77 (September, 1983): 734-747.
- “The Covering Relation in Tournaments: Two Corrections.” *American Journal of Political Science*, 27 (May, 1983): 382-385.
- “A New Solution Set for Tournaments and Majority Voting.” *American Journal of Political Science*, 24 (February, 1980): 68-96.
- “‘Social Preference’ and Game Theory: A Comment on ‘The Dilemma of a Paretian Liberal’.” *Public Choice*, 30 (Summer, 1977): 23-28.
- “Logrolling, Vote Trading, and the Paradox of Voting: A Game-Theoretical Overview.” *Public Choice*, 30 (Summer, 1977), 51-75.
- “Graph-Theoretical Approaches to the Theory of Voting.” *American Journal of Political Science*, 21 (November, 1977): 769-803.
- “Logrolling and the Arrow Paradox: A Note.” *Public Choice*, 21 (Spring, 1975): 107-110.

### C. Book Chapters

- “The Executive Veto and Constitutional Design.” In Roger Congleton, Bernard Grofman, and Stefan Voight, *The Oxford Handbook of Public Choice*, Vol. 2. Oxford: Oxford University Press, 2018, pp. 94-113.
- “Introduction: Issues in Social Choice and Voting” (with Jac C. Heckelman). In Jac C. Heckelman and Nicholas R. Miller, eds., *Handbook of Social Choice and Voting*. Cheltenham, UK: Edward Elgar, 2015, pp. 1-12.
- “The Spatial Model of Social Choice and Voting.” In Jac C. Heckelman and Nicholas R. Miller, eds., *Handbook of Social Choice and Voting*. Cheltenham, UK: Edward Elgar, 2015, pp. 163-181.
- “A *Priori* Voting Power When One Vote Counts in Two Ways, with Application to Two Variants of the U.S. Electoral College.” In Rudolf Fara, Dennis Leech, and Maurice Salles, eds., *Voting Power and Procedures: Essays in Honour of Dan Felsenthal and Moshé Machover*. Heidelberg: Springer, 2014, pp. 177-202.
- “A *Priori* Voting Power and the U.S. Electoral College.” In Manfred Holler and Hannu Nurmi, eds., *Power, Voting, and Voting Power: Thirty Years After*. Heidelberg: Springer-Verlag, 2013, pp. 413-443 [reprinted with minor revisions from *Homo Oeconomicus*, 26 (2009)].
- “Election Inversions by the U.S. Electoral College.” In Dan S. Felsenthal and Moshé Machover, eds., *Electoral Systems: Paradoxes, Assumptions, and Procedures*. Heidelberg: Springer, 2012, pp. 93-127.
- “Pluralism and Social Choice.” In Robert A. Dahl, Ian Shapiro, and José Antonio Cheibub, eds., *The Democracy Sourcebook*. Cambridge, MA: MIT Press, 2003, pp. 133-141 [abridged version reprinted from *American Political Science Review*, September 1983].
- “A New Solution Set for Tournaments and Majority Voting.” In Dennis C. Mueller, ed., *The Economics of Politics*: Vol. 2. Cheltenham, UK: Edward Elgar, 2001, pp. 54-86 [reprinted from *American Journal of Political Science*, February 1980 and May 1983].
- “Majority Rule and Minority Interests.” In Ian Shapiro and Russell Hardin, eds., *Political Order: NOMOS XXXVIII*. New York: New York University Press, 1996, pp. 207-250.
- “Limits on Agenda Control in Spatial Voting Games” (with Scott L. Feld and Bernard Grofman). In Paul E. Johnson, ed., *Formal Theories of Politics: Mathematical Modelling in Political Science*. Oxford: Pergamon Press, 1989, pp. 405-416 [reprinted from *Mathematical and Computer Modelling*, No. 4/5, 1989].
- “Public Choice and the Theory of Voting: A Survey.” In Samuel Long, ed., *Annual Review of Political Science*, Vol. I. Norwood, N.J.: Ablex Publishing Corporation, 1986, pp. 1-36.
- “Information, Electorates, and Democracy: Some Extensions and Interpretations of the Condorcet Jury Theorem.” In Bernard Grofman and Guillermo Owen, eds., *Information Pooling and Group Decision Making*. Greenwich, Conn.: JAI Press, 1986, pp. 173-192.
- “Coalition Formation and Political Outcomes: A Critical Note.” In Manfred J. Holler, ed., *Coalitions and Collective Action*. Wuerzburg-Vienna, Physica-Verlag, 1984, pp. 259-265.
- “Power in Game Forms.” In Manfred J. Holler, ed., *Power, Voting, and Voting Power*. Wuerzburg-Vienna, Physica-Verlag, 1982, pp. 33-51.
- “Game Forms, Power Relations, and an Impossibility Theorem.” In Gordon Tullock, ed., *Public Choice in New Orleans*. Blacksburg, Virginia, Center for the Study of Public Choice, 1980, pp. 59-74.

**D. Book Reviews**

Review of *Game Theory and Political Theory* by Peter Ordeshook, *American Political Science Review*, 81 (December, 1987): 1430-1431.

“Nice Strategies Finish First: A Review of *The Evolution of Cooperation* [by Robert Axelrod],” *Politics and the Life Sciences*, 4 (August, 1985): 86-91.

Review of *Fair Representation: Meeting the Ideal of One Man, One Vote* by Michel L. Balinski and H. Peyton Young, *Ethics*, 94 (January, 1984): 363-364.

Review of *Watergate Games: Strategies, Choices, Outcomes* by Douglas Muzzio, *Ethics*, 93 (July, 1983): 835.

Reviews of *Biblical Games: A Strategic Analysis of Stories in the Old Testament* by Steven Brams and *Demand Revelation and the Provision of Public Goods* by Edward Clarke, *Ethics*, 92 (January, 1982): 396-397.

Review of *Rational Legitimacy: A Theory of Political Support* by Ronald Rogowski, *Public Choice*, 32 (Winter, 1977), 166-169.

**E. Other Publications**

“The U.S. Electoral College.” In Robert S. Rycroft, ed., *The American Middle Class: An Economic Encyclopedia of Progress and Poverty*. Santa Barbara: ABC-CLIO Press, 2017, pp. 386-389.

“Even Without ‘Senate’ Electoral Votes, the Size of the U.S. House of Representatives Could Still Determine the Outcome of Presidential Elections.” LSE Blog: *USAPP– American Politics and Policy*, November 27, 2014 (<http://bit.ly/1tw6emu>).

“Problems with the National Popular Vote Plan.” *Saving America.Com: Ballot Box*, August 2014. (<https://www.savingamerica.com/ballot-box>).

“In Memoriam: A. Stephen Boyan.” *PS: Politics and Political Science*, 45 (January 2012): 128-129.

“Chicken Games”; “Power in Game Forms”; “John C. Harsanyi,” “Martin Voting Power Index”; “Power to Initiate Action and Power to Prevent Action”; “Simple Games” (with Gianfranco Gamberelli); “Voting Power in the U.S. Electoral College.” Entries in Keith Dowding, ed., *Encyclopedia of Power*. Thousand Oaks: SAGE Publications, 2011, pp. 100-101, 269-270, 304-305, 401-402, 525-526, 607-608, 679-682.

“In Memoriam: Louis J. Cantori.” *PS: Politics and Political Science*, 42 (January 2009): 207-209.

“Richard D. McKelvey.” In Glenn Utter and Charles Lockhart, eds., *American Political Scientists: A Dictionary*, 2<sup>nd</sup> ed.. Westport: Greenwood Press, 2002, pp. 270-272.

“Logrolling.” Entry in *The Encyclopedia of Democratic Thought*, edited by Paul Barry Clarke and Joe Foweraker, London: Routledge, 2001, pp. 421-423.

“Editorial” (with Keith Dowding and Jan-Erik Lane), *Journal of Theoretical Politics*, 8 (January, 1996), 5-6.

“Richard D. McKelvey.” In David Castle, Charles Lockhart, and Glenn Utter, eds., *American Political Scientists: A Dictionary*. Westport: Greenwood Press, 1993, pp. 210-212.

“Voting.” In John Eatwell, Murray Milgate, and Peter Newman, eds., *The New Palgrave: A Dictionary of Economics*, Vol 4. London: Macmillan, 1988, pp. 826-830.

“Six-Year Term for Presidents? Con,” *Baltimore Sun*, November 29, 1980.

“Workshop: Using SETUPS Modules in Undergraduate Political Science Courses,” *Short Essays in Political Science VIII*, National Capital Area Political Science Association, 1979.

“Comments on ‘Binary Elections and Rational Expectations on Voting’” (abstract), *Atlantic Economic Journal*, 5 (March, 1977): 107-108.

“Are Presidential Primaries the Way? Con,” *Baltimore Sun*, April 3, 1976.

**F. Papers and Presentations**

- “The Geometry of Three-Candidate Runoff Elections” (with Conal Duddy), Annual Meeting of the Public Choice Society, New Orleans, March 2-4, 2017.
- “Election Inversions Under Variants of the U.S. Electoral College,” Annual Meeting of the Public Choice Society, San Antonio, March 12-15, 2015.
- “Election Inversions Under Proportional Representation,” Annual Meeting of the Public Choice Society, New Orleans, March 8-10, 2013.
- “The Alternative Vote (and Coombs) Versus First-Past-The Post: A Social Choice Analysis of General Elections in England, 1992-2010,” World Congress of the Public Choice Societies, Miami, March 8-11, 2012.
- “Monotonicity Failure in IRV Elections with Three Candidates,” World Congress of the Public Choice Societies, Miami, March 8-11, 2012.
- “A *Priori* Voting Power When One Vote Counts in Two Ways, with Application to Two Variants of the U.S. Electoral College,” prepared for presentation (in absentia) at the Voting Power in Practice Symposium on *Voting Power in Social/Political Institutions: Typology, Measurement, Applications*, London School of Economics, March 20-22, 2011.
- “Election Inversions By the U.S. Electoral College,” prepared for presentation (in absentia) at the Annual Meeting of the Public Choice Society, San Antonio, March 10-13, 2011.
- “Election Inversions and the U.S. Electoral College,” Voting Power and Procedures (VPP) Summer Workshop on *Assessing Alternative Voting Procedures*, Chateau du Baffy, Normandy, France, July 20-August 2, 2010.
- “A *Priori* Voting Power and the U.S. Electoral College,” Annual Meeting of the Public Choice Society, Monterey CA, March 11-14, 2010.
- “Why the Electoral College Is Good for Political Science (and Public Choice),” Presidential Address, Annual Meeting of the Public Choice Society, Monterey CA, March 11-14, 2010.
- “On the Size and Location of the Yolk in Spatial Voting Games: Results Using *Cybersenate* Software,” Annual Meeting of the Public Choice Society, Las Vegas, March 6-8, 2009; Harvard-MIT Positive Political Economy Seminar, March 19, 2009.
- “Analyzing the Electoral College,” invited presentation, Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS), Washington DC, October 14, 2008
- “The U.S. Electoral College: Origins and Transformation, Variants and Problems,” invited public lecture, Program in Voting Power and Procedures (VPP), London School of Economics and Political Science, London UK, May 6, 2008.
- “Voting Power with District plus At-large Representation,” Annual Meeting of the Public Choice Society, San Antonio TX, March 7-9, 2008.
- “A *Priori* Voting Power under the Electoral College and Alternative Institutions,” Creighton University Political Science Department, April 17, 2007; UMBC Political Science Department, April 27, 2007.
- “The Biography of the Uncovered Set,” presented to faculty and students in the Departments of Political Science, International Relations, and Mathematics at Creighton University, April 16-18, 2007.
- “Using *CyberSenate* Software in Theoretical Research: In Search of the Uncovered Set,” Annual Meeting of the American Political Science Association, Philadelphia, August 31-September 3, 2006

**F. Papers and Presentations (cont.)**

- “In Search of the Uncovered Set,” Annual Meeting of the Public Choice Society, New Orleans, March 10-13, 2005; Conference on Spatial Voting: Choice over Multidimensional Issues organized by the Institute for Mathematical Behavioral Sciences, University of California, Irvine, December 9-11, 2005.
- “Monotonicity Failure under STV and Related Voting Systems,” Annual Meeting of the Public Choice Society, San Diego, March 22-24, 2002.
- “The Geometry of Voting Cycles: Theoretical Developments,” prepared for discussion at Workshop on Mathematical Models of Individual and Public Choice, Institute for Mathematical Behavioral Science, University of California, Irvine, July 9-28, 2000; revised version presented at the annual meeting of the Public Choice Society, San Antonio, Texas, March 9-11, 2001.
- “Majority Rule and Minority Interests,” presented at the Political Theory Workshop, Institute for Social and Policy Studies, Yale University, January 31, 1995; presented at the Annual Meeting of the Public Choice Society, Long Beach California, March 24-26, 1995.
- “Information, Individual Errors, and Collective Performance: Empirical Evidence on the Condorcet Jury Theorem,” presented at the Conference on Preferences and Belief Aggregation, Center in Political Economy, Washington University, St. Louis, May 20-22, 1994.
- “The Geometry of Majority Rule” (with Scott Feld and Bernard Grofman), presented at the Workshop on Political Economy, Duke University, October 1987; Annual Meeting of Public Choice Society, March 1987; Annual Meeting of the American Political Science Association, 1986.
- “Limits on Agenda Control in Spatial Voting Games” (with Scott Feld and Bernard Grofman), Annual Meeting of Public Choice Society, March 1987.
- “Centripetal Forces in Spatial Voting: On the Size of the Yolk” (with Scott Feld and Bernard Grofman), Annual Meeting of Public Choice Society, March 1987.
- “Cycle Avoiding Trajectories in Majority Voting Tournaments” (with Scott Feld and Bernard Grofman), Annual Meeting of the Public Choice Society, 1986.
- “Competing Agenda Setters with Policy Preferences,” Hoover Institution Conference on The Political Economy of Institutions, February 1986; Annual Meeting of the American Political Science Association, 1985.
- “Cycle Avoiding Trajectories and the Uncovered Set” (with Scott Feld and Bernard Grofman), Workshop on Political Theory, Department of Political Science, University of Rochester, March 1985; Weingart Conference on Formal Models of Voting, California Institute of Technology, March 1985.
- “Agenda Formation in Voting Bodies: A Preliminary Survey,” Annual Meeting of the Public Choice Society, 1985.
- “Solution Sets for Complete Digraphs and Weak Social Preference, Annual Meeting of the Public Choice Society, 1984.
- “Pluralism and Social Choice,” Summer Institute on Public Choice Theory, Dalhousie University, Halifax, July 28-August 18, 1984; Annual Meeting of the American Political Science Association, 1982.
- “The Complete Structure of Majority Rule on Distributive Politics,” Annual Meeting of the Public Choice Society, San Antonio, March 1982.

**F. Papers and Presentations (cont.)**

- “Paradox Welcomed: On the Desirability of Majority Cycling,” Annual Meeting of the Public Choice Society, New Orleans, March 1981.
- “Information, Electorates, and Democracy: Some Extensions and Interpretations of the Condorcet Jury Theorem,” Annual Meeting of the Midwest Political Science Association, Chicago, April 1980.
- “Social Choice Based on Closures of Majority Rule,” Annual Meeting of the Public Choice Society, Charleston SC, March 1979.
- “A New 'Solution Set' for Tournaments and Majority Voting,” Annual Meeting of the American Political Science Association, 1978; Resources for the Future/University of Maryland Seminar on Social Choice and Collective Action, October 1978.
- “Strategic Voting in Parliamentary Bodies: Some Reflections on Farquharson's *Theory of Voting*,” Annual Meeting of the Midwest Political Science Association, Chicago, April 1978.
- “Power Relations, Effective Preference, and an Impossibility Theorem,” Annual Meeting of the Public Choice Society, 1978.
- “The Condorcet Jury Theorem and the Electoral Process,” Annual Meeting of the Public Choice Society, 1977.
- “Logrolling, Vote Trading, and the Paradox of Voting,” Annual Meeting of the Public Choice Society, 1976.
- “Propositions on the Order of Voting,” Annual Meeting of the Public Choice Society, 1975.

**G. Working Papers, Drafts, and Unpublished Notes**

- “Complexities of Majority Rule,” draft chapter/module for *VoteDemocracy* course/textbook, November 2015, revised March 2018.
- “Electoral Systems, Party Systems, and Parliamentary Government Selection,” draft chapter/module for *VoteDemocracy* course/textbook, July 2016, revision in progress.
- “Origins of the Uncovered Set,” revised, November 2009.
- “Alternate Definitions of the Covering Relation: An Extended Tour,” July 2008.
- “The Effects of Clustered Ideal Point Configurations on the Location and Size of the Yolk,” draft manuscript, August 2004.
- “Notes on the Covering Relation,” draft commentary, July 2002.
- “The French Presidential Election, Instant Runoff Voting, Monotonicity Failure, and Spoiler Effects,” draft commentary, April 2002.
- “Strategic (Or Psychological) Effects in Voting Systems,” teaching note, October 2001.
- “A Geometrical Approach to the Paradox of Voting,” draft manuscript, June 2000.
- “Veto Games,” draft manuscript distributed at the Workshop on Mathematical Models of Individual and Public Choice, Institute for Mathematical Behavioral Science, University of California, Irvine, July 9-28, 2000.
- “Notes on the ‘Irrationality’ of Voting,” unpublished note, July 1999.
- “Decision Rules, Converging Trajectories, and the Core,” unpublished research note, February 1999.
- “Minorities vs. Majorities: The Location of the Median in a Mixed Normal Distribution,” draft manuscript, July 1998.
- “Downsian Theory in Legislative Elections,” unpublished research note, April 1998.



**G. Notes and Working Papers (cont.)**

- “Voting To Elect a Single Candidate,” teaching note, September 1997, rev. February 2000, 2<sup>nd</sup> rev. October 2001.
- “The Analysis of Racial Voting,” unpublished commentary, January 1997.
- “Proximity Preferences May Imply Directional Voting and Candidate Non-Convergence (Under Familiar Institutional Arrangements),” unpublished research note, April 1996.
- “Pluralism, Separable Preferences, and Social Choice,” unpublished paper, February 1992.
- “Finite Embeddings, Generalized Medians, the Size of the Yolk, and the Likelihood of a Majority Winner” (with Scott L. Feld and Bernard Grofman), unpublished paper, 1989.
- “The Bargaining Equilibrium Set in Majority Voting Tournaments,” draft manuscript, January 1986.
- “The Banzhaf Fallacy' Fallacy,” mimeo., June 1983.
- “Cyclical Dominance and the Transitivity of Majority Rule,” unpublished paper, January 1981.
- “Straightforward Game Forms: A Direct Proof of Gibbard's Theorem,” withdrawn from *Public Choice*, 1979.
- “Beyond Farquharson: Game-Theoretical Approaches to Voting Bodies,” draft paper, April 1978.
- “Game Forms and Political Analysis,” unpublished research note, January 1978
- “Cross-Pressures and the Instrumental and Expressive Components of Voting,” unpublished research note, February 1975.
- “Mathematical Structures and Political Theory,” UMBC Political Science Department symposium, February 1975.
- “Political Coalitions, Political Outcomes and Game Theory: Some Comments,” unpublished research note, August 1974.
- “Some Problems in Majority Voting,” unpublished research note, April 1974.
- “Committee Voting with Compatible Amendments,” unpublished research note, April 1974.
- “Cyclical Domination and the Core of a Small Economy,” unpublished research note, March 1974.
- “Some Further Notes on Condorcet Sets,” rejected by *Public Choice*, June 1973.
- “Conflict of Interest and Coalition Formation,” unpublished research note, February 1971.
- “A Necessary and Sufficient Condition for Transitive Majority Orderings,” draft manuscript, January 1970
- “Voting in Committees,” unpublished paper, May 1969.

**H. Dissertation**

*The Structure of Collective Decisions: Committees, Elections, and Parties*, May 1973; reproduced and circulated, Summer 1973; University Microfilms, November 1974.

**I. Funded Research**

- Designated Research Initiative Fund Grant, University of Maryland Graduate School, July 1, 1992-August 31, 1993.
- “Agenda Processes and the Theory of Voting,” National Science Foundation Grant SES-8509680, \$39,525, July 1, 1985 — July 31, 1987.

**Professional Activities:****A. Memberships**

American Political Science Association, since 1965  
 Public Choice Society, since 1971  
 National Capital Area Political Science Association, 1974-84  
 Academy of Political Science, 1976-2018  
 Southern Political Science Association, 1976-2008  
 Midwest Political Science Association, 1977-2008  
 Resources for the Future/University of Maryland Joint Seminar on Social Choice and Collective Action, 1977-1980  
 APSA Organized Section on Representation and Electoral Systems, since 1988  
 Maryland Collective Choice Center, 1990-2010

**B. Positions**

Co-Director, *VoteDemocracy* Project, Centre for Philosophy of Natural and Social Science, London School of Economics, London, UK, 2016-present  
 Executive Committee, Public Choice Society, 2008-present  
 President, Public Choice Society, 2008-2010  
 Heinz Eulau Award Committee, American Political Science Association, chair, 2000-2001  
 Duncan Black Prize Committee, Public Choice Society, member, 1986.  
 Program Committee of the 1985 Annual Meeting of the American Political Science Association, Chair of section on Positive Political Theory.  
 Franklin L. Burdette Pi Sigma Alpha Award Committee, American Political Science Association, member, 1982-1983.  
 Council, National Capital Area Political Science Association, member, 1981-1984.

**C. Meetings, Conferences, and Workshops**

Public Choice Society, New Orleans, March 2-4, 2017: “The Geometry of Three-Candidate Runoff Elections” (with Conal Duddy), panel chair and discussant, Executive Committee meeting.  
 Public Choice Society, Fort Lauderdale FL, March 10-12, 2016: session organizer, chair, and discussant; Executive Committee meeting.  
 Public Choice Society, San Antonio, March 12-15, 2015: “Election Inversions under Variants of the U.S. Electoral College”; session organizer, chair, and discussant; Executive Committee meeting.  
*VoteDemocracy* Project, organizational meeting, November 4-5, 2014: Centre for Philosophy of Natural and Social Science, London School of Economics, London, UK.  
 American Political Science Association, Washington, DC, August 28-31, 2014: Editorial Board meeting, *Journal of Theoretical Politics*.  
 Public Choice Society, Charleston, SC, March 6-9, 2014: Executive Committee meeting.  
 American Political Science Association, Chicago, August 28-September 1, 2013: Editorial Board meeting, *Journal of Theoretical Politics*.

### C. Meetings, Conferences, and Workshops (cont.)

- Public Choice Society, New Orleans, March 7-10, 2013: “Election Inversions under Proportional Representation”; chair and discussant, panel on Formal Voting Models, Executive Council meeting.
- World Congress of the Public Choice Societies, Miami, March 8-11, 2012: “The Alternative Vote (and Coombs) Versus First-Past-The Post: A Social Choice Analysis of General Elections in England, 1992-2010,” “Monotonicity Failure in IRV Elections with Three Candidates,” Executive Committee meeting.
- American Political Science Association, Washington, D.C., September 2-4, 2010: Editorial Board meeting, *Journal of Theoretical Politics*.
- Summer Workshop on Assessing Alternative Voting Procedures: LSE Program on Voting Power and Procedures (VPP), Chateau du Baffy, Normandy, France, July 20-August 2, 2010: presentation on “Election Inversions and the U.S. Electoral College.”
- Public Choice Society, Monterey CA, March 11-14, 2010: “Why the Electoral College Is Good for Political Science (and Public Choice)” [Presidential Address], “A *Priori* Voting Power and the U.S. Electoral College,” chaired panels on Computational Social Choice and Voting Simulation Visualizations, Executive Committee meeting, organized entire program.
- Public Choice Society, Las Vegas, March 6-8, 2009: presented paper on “On the Size and Location of the Yolk in Spatial Voting Games: Results Using *Cybersenate* Software,” chaired panels on Representation and Range Voting, Executive Committee meeting, organized entire program.
- Institute for Operations Research and the Management Sciences (INFORMS), Washington DC, October 14, 2008: presentation on “Analyzing the Electoral College.”
- American Political Science Association, Boston, August 28-31, 2008: Editorial Board meeting, *Journal of Theoretical Politics*.
- Public Choice Society, San Antonio, March 7-9, 2008: presented paper on “A *Priori* Voting Power with District Plus At-large Representation”; Executive Committee meeting.
- American Political Science Association, Chicago, August 29-September 5, 2007: Editorial Board meeting, *Journal of Theoretical Politics*.
- American Political Science Association, Philadelphia, August 31-September 3, 2006: Organizer and chair of panel on “Using *CyberSenate* (and Other) Software to Analyze Spatial Voting Games”; presentation on “Using *CyberSenate* Software in Theoretical Research”; Editorial Board meeting, *Journal of Theoretical Politics*.
- Conference on Spatial Voting: Choice over Multidimensional Issues, Institute for Mathematical Behavioral Sciences, University of California, Irvine, December 9-11, 2005: presented paper on “In Search of the Uncovered Set.”
- Woodrow Wilson Foundation, Career Enhancement Fellowships for Junior Faculty, Fall Retreat, Princeton, October 12-14, 2005: attended as mentor of a Fellowship recipient (Duane Cooper, Morehouse College)
- American Political Science Association, Washington, D.C., September 1-4, 2005: Editorial Board meeting, *Journal of Theoretical Politics*.
- Public Choice Society, New Orleans, March 10-13, 2005: Organizer and chair of panel on Using *CyberSenate* Software to Analyze Spatial Voting Games; presented paper on “In Search of the Uncovered Set.”

**C. Meetings and Conferences (cont.)**

- American Political Science Association, Chicago, September 2-5, 2004: Editorial Board meeting, *Journal of Theoretical Politics*.
- Public Choice Society, Baltimore, March 12-14, 2004: Organizer and chair of panel on Demonstration of *CyberSenate* Spatial Modeling Software.
- American Political Science Association, Philadelphia, August 28-31, 2003: Editorial Board meeting, *Journal of Theoretical Politics*.
- American Political Science Association, Boston, August 29-September 1, 2002: Editorial Board meeting, *Journal of Theoretical Politics*.
- Public Choice Society, San Diego, March 22-24, 2002: presented paper on “Monotonicity Failure under STV and Related Voting Systems”; discussant on panel on Voting Rules.
- American Political Science Association, San Francisco, August 30-September 2, 2001: Editorial Board meeting, *Journal of Theoretical Politics*.
- Public Choice Society, San Antonio, Texas, March 9-11, 2001: presented paper on “The Geometry of Voting Cycles: Theoretical Developments”; discussant on panel on Applications of the Geometry of Voting.
- American Political Science Association, Washington, D.C., August 31-September 3, 2000: Editorial Board meeting, *Journal of Theoretical Politics*.
- Workshop on Mathematical Models of Individual and Public Choice, Institute for Mathematical Behavioral Science, University of California, Irvine, July 9-14, 2000: “Senior scholar” for section on Voting.
- American Political Science Association, Atlanta, September 2-5, 1999: Editorial Board meeting, *Journal of Theoretical Politics*.
- American Political Science Association, Boston, September 2-6, 1998: Editorial Board meeting, *Journal of Theoretical Politics*.
- Conference on Norms, University of Maryland Collective Choice Center, College Park, June 26, 1998: invited attendance.
- Biennial Meeting of Official Representatives, Inter-university Consortium for Political and Social Research (ICPSR), Ann Arbor, October 23-26, 1997.
- American Political Science Association, Washington, D.C., August 27-31, 1997: Short course on Ecological Inference; Editorial Board meeting, *Journal of Theoretical Politics*.
- Conference on Moral Sentiments, University of Maryland Collective Choice Center, College Park, May 16, 1997: invited attendance.
- American Political Science Association, San Francisco, August 29-31, 1996: Editorial Board meeting, *Journal of Theoretical Politics*.
- Conference on Strategy and Politics, University of Maryland Collective Choice Center, College Park, May 14, 1996: invited attendance.
- American Political Science Association, Chicago, August 31-September 3, 1995: Editorial Board meeting, *Journal of Theoretical Politics*.
- Public Choice Society, Long Beach, March 24-26, 1995: presented paper on “Majority Rule and Minority Interests.”
- Second International Conference of the Society for Social Choice and Welfare, Rochester, New York, July 8-11, 1994: attendance only.

**C. Meetings and Conferences (cont.)**

- Conference on Aggregation of Preferences and Beliefs, Center in Political Economy, Washington University, St. Louis, May 20-22, 1994: invited participant; presented paper on "Information, Individual Errors, and Collective Performance: Empirical Evidence on the Condorcet Jury Theorem."
- American Political Science Association, Washington, D.C., September 1993: attendance only.
- American Political Science Association, Washington, D.C., September 1991: organizer and chair of panel on Social Choice and Democratic Stability.
- Inaugural Conference of the University of Maryland Collective Choice Center, College Park, May 10, 1990: invited attendance.
- American Political Science Association, Washington, D.C., September 1988: chairman of panel on Coalition Building and Political Power.
- Workshop on Fairness in Group Decision Making, School of Public Affairs, University of Maryland College Park, May 1988: invited participant.
- American Political Science Association, Chicago, September 1987: discussant on panel on Studies of Congressional Decision Making; discussant on panel on Social Choice Theory and the American Constitution.
- Public Choice Society, Tucson, March 1987: chairman of panel on Agenda Control; presented papers on "The Geometry of Majority Rule," "Limits on Agenda Control in Spatial Voting Games," and "The Size of the Yolk" (all with Scott Feld and Bernard Grofman); discussant on panel on Social Choice.
- American Political Science Association, Washington, D.C., September 1986: organizer and chairman of roundtable panel on The Geometry of Majority Rule.
- Public Choice Society, Baltimore, March 1986: presented paper on "Cycle Avoiding Trajectories in Majority Voting Tournaments" (with Scott Feld and Bernard Grofman); chairman and discussant on panel on Game Theory.
- Hoover Institution Conference on The Political Economy of Institutions, Stanford, February 1986: invited participant; presented paper on "Competing Agenda Setters with Policy Preferences."
- American Political Science Association, New Orleans, September 1985: chairman of Section on Positive Political Theory; organizer and chairman of panel on Agenda Formation in Voting Bodies; presented paper on "Competing Agenda Setters with Policy Preferences."
- Weingart Conference on Formal Models of Voting, California Institute of Technology, Pasadena, March 1985: invited participant; presented paper on "Cycle Avoiding Trajectories and the Uncovered Set" (with Scott Feld and Bernard Grofman).
- Public Choice Society, New Orleans, February 1985: organizer and chairman of panel on Agenda Formation and the Theory of Voting; presented paper on "Agenda Formation in Voting Bodies: A Preliminary Survey"; discussant on panel on Voting Rules and Outcomes.
- American Political Science Association, Washington, D.C., September 1984: chaired panel on Democratic Representation.
- Summer Institute on Public Choice Theory, Dalhousie University, Halifax, July 28-August 18, 1984: invited participant; organized workshops on Endogenous Agenda Formation; presented "Pluralism and Public Choice" at plenary session on Democracy; participant in workshop on Democratic Stability.

**C. Meetings and Conferences (cont.)**

Public Choice Society, Phoenix, March 1984: presented paper on “Solution Sets for Complete Digraphs and Weak Social Preference”; discussant on panel on The Spatial and Axiomatic Theory of Voting and Agenda Setting.

American Political Science Association, Chicago, September 1983: chaired panel on Distribution and Collective Choice.

Public Choice Society, Savannah, March 1983: invited participant, Roundtable on Models of Institutions — Institutional Features of Agenda-Building and Choice (accepted, panel canceled).

American Political Science Association, Denver, September 1982: organizer and chairman of panel on Abstract Theories of Social Choice and Their Relevance to Politics; presented paper on “Pluralism and Social Choice”; discussant on panel on Positive Theory and Political Science: An Overview.

Public Choice Society, San Antonio, March 1982: discussant on panel on Social Choice; presented paper on “The Complete Structure of Majority Rule on Distributive Politics.”

Association for Public Policy Analysis and Management, Washington, D.C., October 1981: discussant on panel on Approval Voting.

American Political Science Association, New York, September 1981: discussant on panel on Public Goods, Market Failures, and the Theory of the State.

Public Choice Society, New Orleans, March 1981: presented paper on “Paradox Welcomed: On the Desirability of Majority Cycling.”

American Political Science Association, Washington, D.C., September 1980: discussant on panel on Empirical and Analytical Studies of Competence in Decision Making.

Midwest Political Science Association, Chicago, April 1980: presented paper on “Information, Electorates, and Democracy: Some Extensions and Interpretations of the Condorcet Jury Theorem.”

National Capital Area Political Science Association, Washington, D.C., March 1980: led workshop on the use of SETUPS modules and data analysis exercises in undergraduate courses.

Public Choice Society, San Francisco, March 1980: discussant on panel on Rationality and Collective Choice Theory.

American Political Science Association, Washington, D.C., September 1979: discussant on panel on Institutional Structure in Models of Democratic Decision Making.

National Capital Area Political Science Association, Washington, D.C., March 1979: led workshop on the use of SETUPS modules and data analysis exercises in undergraduate courses.

Public Choice Society, Charleston, March 1979: presented paper on “Social Choice Based on Closures of Majority Rule”; discussant on panel on Collective Rationality and Manipulability.

American Political Science Association, New York, September 1978: presented paper on “A New ‘Solution Set’ for Tournaments and Majority Voting.”

Midwest Political Science Association, Chicago, April 1978: presented paper on “Strategic Voting in Parliamentary Bodies: Reflections on Farquharson’s *Theory of Voting*.”

Public Choice Society, New Orleans, March 1978: presented paper on “Power Relations, Effective Preference, and an Impossibility Theorem.”

**C. Meetings and Conferences (cont.)**

- Southern Political Science Association, New Orleans, November 1977: invited participant, American Political Science Association Professional Development Program.; Editorial Board meeting of *The Journal of Politics*.
- American Political Science Association, Washington, D.C., September 1977: Professional Development Program.
- Public Choice Society, New Orleans, March 1977: presented paper on “The Condorcet Jury Theorem and the Electoral Process”; discussant on panel on Public Choice Applications to Social Problems.
- Atlantic Economic Conference, Washington, D.C., October 1976: discussant of paper on “Rational Expectations on Voting in Binary Elections.”
- American Political Science Association, Chicago, September 1976: organizer and chairman of panel on Theory of Collective Choice.
- Public Choice Society, Roanoke, April 1976: presented paper on “Logrolling, Vote Trading, and the Paradox of Voting”; organizer and chairman of panel on Social Choice and Democratic Theory.
- Public Choice Society, Chicago, April 1975: presented paper on “Propositions on the Order of Voting”; discussant on panel on Logrolling and Social Choice.
- American Political Science Association, Chicago, September 1974: discussant on panel on Political Coalitions.
- Public Choice Society, College Park, Maryland, March 1973: attendance only.
- American Political Science Association, Los Angeles, September 1970: attendance only.
- Western Political Science Association, Sacramento, April 1970: attendance only.

#### **D. Editorial Activities**

- Co-editor, *VoteDemocracy* textbook, Centre for Philosophy of Natural and Social Science, London School of Economics, London, UK, 2014-present
- Editorial Boards: *Public Choice*, 2016-present; *Journal of Theoretical Politics*, 2002-present; *Journal of Politics*, 1976-1981
- Editor, *Games and Political Behavior*, eJournal in the *Political Science Network* (PSN) component of the *Social Sciences Research Network* (SSRN), 2008-2018
- Advisory Editor, *Encyclopedia of Power*, Keith Dowding, ed., Thousand Oaks: SAGE Publications, 2011
- Co-Editor [receiving editor], *Journal of Theoretical Politics* (SAGE Publications), December 1995-January 2002
- Book manuscript, chapter, and proposal refereeing: John Wiley, Princeton University Press, Rutgers University Press, Columbia University Press, Kluwer Academic Publishers, University of Michigan Press, Springer Academic Publishers
- Journal refereeing: *American Political Science Review*, *American Journal of Political Science*, *Journal of Politics*, *Western Political Quarterly*, *American Politics Quarterly*, *Polity*, *British Journal of Political Science*, *Public Choice*, *Social Choice and Welfare*, *Journal of Economic Theory*, *Journal of Theoretical Politics*, *Electoral Studies*, *Behavioral Science*,

**D. Editorial Activities (cont.)**

Journal Refereeing (cont.): *Social Science Quarterly*, *Annals of Operations Research*, *Southeastern Political Review*, *Mathematical Social Science*, *Group Decision and Negotiation*, *Management Science*, *Eastern Economic Journal*, *European Union Politics*, *Political Analysis*, *Asian Security*, *Economics Bulletin*, *International Game Theory Review*, *Journal of Mathematical Economics*, *PS: Politics & Political Science*

Grant refereeing: National Science Foundation; National Endowment for the Humanities; Institutional Reform and the Informal Sector (IRIS/UMCP), review panel, 1990-1993

**Scholarships and Honors:**

UMBC Summer Research Grant, 1981  
 UMBC Summer Faculty Fellowship, 1976  
 University of California Graduate Fellowship, 1967-1968  
 B.A. Magna cum Laude, 1963  
 Harvard College Scholarship, 1959-1963

**University Service (UMBC):****A. Political Science Department**

Promotion and Tenure Committee, Chair, Fall 2010  
 Committee on Innovation, member, 2008-10  
 Curriculum Committee, Chair, 2003-07  
 Promotion and Tenure Committee, Chair, 2006-05, 2003-04, 2010-11  
 Faculty Search Committee (Public Law position), Chair, 2001-02  
 Senate Representative, 1995-2000  
 Promotion and Tenure Committee, Chair, 1992-95  
 Department Chairman, 1985-1991  
 Promotion and Tenure Committee, Chair, 1982-85  
 Promotion and Tenure Committee, Chair, 1980-81  
 Advisement Coordinator, 1978-1984, 1985-1991  
 Departmental Representative, University of Maryland/Community College Articulation in Political Science, 1976-1985  
 Curriculum Revision Committee, Fall 1979  
 Career Information Coordinator, 1974-1976  
 Faculty Notes (for UMBC *Observer*) Coordinator, 1974-1976  
 Committee to Review Promotion and Tenure Standards and Procedures, non-tenured member, 1974-75  
 Committee on Teaching Evaluation Procedures, Chairman, 1974

**B. Public Policy Graduate Program**

Political Science Track Committee, Chair, 1982-2006  
 Faculty Search Committee, 1998  
 Faculty Search Committee, 1996  
 Policy Sciences Advisory Committee, 1979-1984, 1987-1988, 1995-1996



**B. Public Policy Graduate Program (cont.)**

Promotion and Tenure Committee, 1994-95  
Promotion and Tenure Committee, 1992-93  
Promotion and Tenure Committee, Chair, 1989-90  
Promotion and Tenure Committee, 1987-88  
Ad hoc Faculty Review Committee, 1986  
Examinations Subcommittee, 1980-1984, 1987-88, 1995,1998, 2000, 2006  
Admissions Subcommittee, 1979-80  
Promotion and Tenure Committee, 1979-80

**C. Social Science Division**

Promotion and Tenure Committee for Economics, 1983-86  
Ad Hoc Committee on General Distribution Requirements, 1979  
Curriculum Committee, 1974-1977  
Technical advice to Planning and Organization Committee regarding election methods, June 1972  
and November 1973  
Graduate Activities Committee, 1971-72

**D. Graduate School**

Committee of Investigation, member, 1999-2000  
DRIF Review Panel for Social Sciences, member, 1992-1993  
Technical advice regarding election methods, June 1990

**E. UMBC Campus**

Search Committee for Dean of Arts, Humanities, and Social Sciences, member, Spring 2005  
University Faculty Review Committee, Chair, 2003  
University Faculty Review Committee, member 2002-2003  
Research Council, member, 2001-2003  
UMBC Official Representative, Inter-university Consortium for Political and Social Research  
(ICPSR), 1997-2001  
Undergraduate Council, Chair, 1994-1997  
UMBC Faculty Senate and Senate Executive Committee, ex-officio member, 1994-1997  
Undergraduate Council, member,1993-1997  
Search Committee for Director of Governmental and Legal Affairs, member, Winter 1994-95  
Search Committee for Dean of Arts and Sciences, member, Spring 1989  
Vice Chancellor's Committee on Core Curriculum, member, 1983-1984  
Faculty Affairs Committee, Chair, 1980-1984  
Faculty Senate, non-voting ex-officio member, 1980-1984  
Faculty Awards Subcommittee, member, 1981-1982  
Faculty Affairs Committee, member, 1979-84  
UMBC Senate, 1979-80  
Student Life Committee, 1975-1977

**Masters Thesis Committees:**

Shannon L. Parsley, "An Analysis of Electoral Politics and Realignment in Baltimore City, 1924-1936," Historical Studies, UMBC, May 2001 (member).

Chester Gates, "Using Natural Systems Theory in Policy Analysis," Policy Sciences, UMBC, August 2000 (member).

Matthew Brown, "An Evaluation of the CHOICE Middle School Program," Policy Sciences, UMBC, 1998 (chair).

**Ph. D. Thesis Committees:**

John W. Moffat, "Populism and Civil Rights: The Impact of the Voting rights Act on Changing School Governance in Virginia," Policy Sciences, UMBC, December 2000 (member).

Jonathan Morstein, "Gingrich's Challenge: The Power of Escalation to Force Change in Institutions," Government and Politics, UMCP, 1998 (member).

Michael F. Gaheen, "The Influence of Cost-Benefit Analysis and Regulatory Review On the Promulgation of EPA's Asbestos Regulations," Policy Sciences, UMBC, 1995 (member).

Claudia J. Floyd, "The Impact of the Reagan Administration on Environmental Policy in Maryland, Delaware, New Jersey, and West Virginia," Policy Sciences, UMBC, 1990 (chair).

Chung-Mok Chung, "Korean Decentralization: Myth and Reality," Policy Sciences, UMBC, 1988 (member).

Dennis McGrath, "James Madison and Social Choice Theory: The Possibility of Republicanism," Government and Politics, UMCP, 1983 (member).

**Official Mentor:**

Duane A. Cooper (Department of Mathematics, Morehouse College, Atlanta, Georgia), Woodrow Wilson Foundation Career Enhancement Junior Faculty Fellowship, 2005-06.