

## VITA

# HOWARD ROSENTHAL

### PERSONAL

Place and date of birth: Wilkinsburg, Pennsylvania, March 4, 1939

Address: Department of Politics, Princeton University, Princeton  
NJ 08544

### EDUCATION

B.S. in Economics, Politics and Science, Massachusetts Institute of  
Technology, 1960

Ph.D. in Political Science, Massachusetts Institute of Technology,  
1964

### PROFESSIONAL CAREER

Research Assistant, Professor Harold D. Lasswell, 1961

Assistant Professor, University of California, Irvine, 1965-66

Assistant Professor, Carnegie-Mellon University, 1966-68

Visiting Professor, Hebrew University of Jerusalem, 1968-69

Visiting Research Associate, Israel Institute of Applied Social  
Research, 1968-69

Associate Professor, Carnegie-Mellon University, 1968-71

Professor, Carnegie-Mellon University, 1971-93

Visiting Lecturer, Graduate Level, Fondation Nationale des  
Sciences Politiques, Paris, 1972-73

Visiting Professor of Political Science, University of California,  
San Diego, 1976-77

National Fellow, Hoover Institution, Stanford University, 1979-80

Sherman Fairchild Distinguished Scholar, California Institute of  
Technology, 1982-83

Visiting Professor of Economics, Massachusetts Institute of  
Technology, 1989-90

Fellow, Center for Advanced Study in Behavioral Sciences, 1991-92, 1998-99

Fellow, International Center for Economic Research, Torino, Italy, 1991-93

Roger Williams Straus Professor of Social Sciences and Professor of Politics, Princeton University 1993-

Fellow of the Region of Brussels, ECARE, Universite Libre de Bruxelles, 1995

### **SHORT TERM VISITING APPOINTMENTS**

Lecturer, Social Science Research Institute, Roper Public Opinion Research Center, Williams College, 1973

Department of Economics, Tel Aviv University, 1987

Department of Economics, Université de Paris-I, 1990

Department of Economics, University of California, Los Angeles, 1996

### **HONORS and AWARDS**

NDEA Fellowship, 1960-63

SSRC Research Training Fellowship, 1963-64

Foreign Area Post-Doctoral Fellowship, Western Europe, 1964-65

SSRC Computer Training Grant, 1965

SSRC Faculty Research Grant, 1970

Principal Investigator, National Science Foundation Grants, 1967-69, 1969-71, 1971-73, 1975-77, 1977-79, 1979-82, 1983-85, 1985-87, 1988-89, 1989-91, 1991-93, 1998-2000 (Political Science), 1988-90, (Decision and Risk Management),

Supercomputer Awards at Purdue, John Von Neumann Center, and Pittsburgh, 1985-1990

Ford Foundation Faculty Research Fellowship in Political Science 1972-73

Principal Investigator, Spencer Foundation Grant (direct democracy and school finance) 1977-78

Principal Investigator, National Institute of Education Grants, 1979-80, 1983-84

Duncan Black Award, Public Choice Society, 1980

C.Q. Press Award, Legislative Studies Section, American Political Science Association, 1985

Sherman Fairchild Distinguished Scholar, California Institute of Technology

Fellow, Center for Advanced Study in the Behavioral Sciences, 1991-92

Fellow, American Academy of Arts and Sciences

Walras-Pareto Lecturer, University of Lausanne, Switzerland, 1996

Principal Organizer, Special Project "The Political Economy of Contractual Obligations: The Case of Bankruptcy", Center for Advanced Study in the Behavioral Sciences, 1998-99

Sackler Fellow, Tel Aviv University (award made, date to be arranged)

### **TEACHING EXPERIENCE**

Political Science (especially Voting, Formal Theory, European Politics, and American Politics); Economics (especially resource allocation and taxation; regulation, statistics, and econometrics).

### **CURRENT RESEARCH INTERESTS**

Voting and Coalition Theory, Political Economy of Finance, Taxation, and Public Goods, American and European Politics, Political and Economic History

### **CURRENT PROFESSIONAL ACTIVITIES**

Member, Editorial Boards, Public Choice, Economics of Governance

Partner, CEPR RTN group on Understanding Financial Architecture, 2000-

Partner, CEPR proposal to European Commission, "Rethinking Political Institutions in an Integrating Europe".

## **PUBLICATIONS -- Books**

Hildebrand, David K.; James D.; Laing and Howard Rosenthal. Prediction Analysis of Cross Classifications. Wiley Series in Probability and Mathematical Statistics. New York: Wiley, 1977.

Meltzer, Allan, Romer, Thomas; and Rosenthal, Howard, eds. Carnegie Papers on Political Economy, Vol. 4, Public Choice, 44, 1, 1984.

Alesina, Alberto, and Howard Rosenthal. Partisan Politics, Divided Government, and the Economy. New York: Cambridge University Press, 1995.

Poole, Keith T., and Howard Rosenthal. Congress: A Political-Economic History of Roll Call Voting. New York: Oxford University Press, 1997.

McCarty, Nolan, Keith T. Poole and Howard Rosenthal. Income and Politics. Tentative title of Walras-Pareto lecture volume, in preparation, to be published by MIT Press and Payot (in

French).

## **PUBLICATIONS -- Monographs**

Hildebrand, David K.; James D. Laing and Howard Rosenthal. Analysis of Ordinal Data, Sage University Papers on Quantitative Applications in the Social Sciences, 08.007. Beverly Hills and London: Sage Publications, 1977.

Dewatripont, Mathias, Francesco Giavazzi, Jurgen von Hagen, Ian Harden, Torsten Persson, Gerard Roland, Howard Rosenthal, and Guido Tabellini. Flexible Integration: Towards a More Effective and Democratic Europe. (Monitoring European Integration Report No. 6). London: CEPR, 1995. Italian translation. L'Europa Flessibile. Bologna: Il Mulino, 1996.

McCarty, Nolan, Keith T. Poole and Howard Rosenthal. Income Redistribution and the Realignment of American Politics. Washington: The AEI Press. 1997.

## **PUBLICATIONS – Articles**

### ***Political Science***

Rosenthal, Howard. "The Popularity of Charles De Gaulle: An Example of the Use of Research Archives." Public Opinion Quarterly 31 (Fall 1967): 381-398.

\_\_\_\_\_. "Political Coalitions: Elements of a Model and the Study of French Legislative Elections." Calcul et Formalisation dans les Sciences de l'Homme. Proceedings of Rome UNESCO conference on mathematical methods in the social sciences. Paris: Editions du Centre National de la Recherche Scientifique, 1968, pp. 270-282.

\_\_\_\_\_. "Voting and Coalition Models in Election Simulations." In Simulation and the Study of Politics, Wm. Coplin, editor. Chicago: Markham Press, 1968, pp. 237-287.

Rosenthal, Howard and Subrata Sen. "Candidate Selection and Voting Behavior in France." Public Choice (1969): 71-92.

Rosenthal, Howard. "The Electoral Politics of Gaullists in the Fourth French Republic: Ideology or Constituency Interest?" The American Political Science Review 63 (June 1969): 476-487.

\_\_\_\_\_. "On Models and the French Political System." The American Political Science Review 63 (September 1969): 907-914.

\_\_\_\_\_. "Size of Coalition and Electoral Outcomes in the Fourth French Republic." In C. Cotter, ed., The Study of Political Coalitions. New York: Holt, Rinehart and Winston, 1970.

Rosenthal, Howard, and Subrata Sen. "Participation Electorale et Conjoncture Politique: Application de la technique des regression multiples aux elections de 1962." Revue Française de Science Politique 20 (June 1970): 545-556.

Geisel, Martin; Naomi Kies, Timothy McGuire, and Howard Rosenthal. "A Simultaneous Equation Model of Split Ticket Voting in Israeli Elections." In Proceedings of the Social

Statistics Section of 1970 Meeting, American Statistical Association, pp. 71-80.

Rosenthal, Howard, and Subrata Sen. "Electoral Participation in the French Fifth Republic." The American Political Science Review 67 (March 1973):29-54. An earlier version of the paper appeared in Proceedings of the 1970 Annual Meetings, American Political Science Association, Ann Arbor, University of Michigan, Xerox-University Microfilms.

Laing, James D.; Lebanon, Alexander; Morrison, Richard; and Rosenthal, Howard. "Computer Models of Political Coalitions." In Political Science Annual IV, J.G. Robinson, editor. Indianapolis: Bobbs Merrill, 1973, pp. 41-74.

Rosenthal, Howard. "Game Theoretic Models of Bloc-Voting Under Proportional Representation: Really Sophisticated Voting in French Labor Elections." Public Choice 18 (Summer 1974): 1-24.

\_\_\_\_\_. "Aggregate Data." In Handbook of Communications, Ithiel de Sola Pool, et al., editors. Chicago: Rand McNally, 1974, pp. 913-937.

Hinich, Melvin and Rosenthal, Howard. "Controlling Noise in Spatial Models of Marketing Data." In Noise in Marketing, J. Farley and Howard, editors. Lexington, Mass.: D.C. Heath, 1974.

Rosenthal, Howard. "Viability, Preferences and Coalitions in the French Election of 1951." Public Choice 20 (Spring 1975): 27-39.

Hildebrand, David; Laing, James D.; and Rosenthal, Howard. "A Prediction Logic Approach to Causal Models of Qualitative Variables." D.R. Heise (ed.). In Sociological Methodology (1976) San Francisco: Josey-Bass, 1975, pp. 146-175.

\_\_\_\_\_. "Prediction in Political Research." American Political Science Review 70 (June, 1976): 509-535. An earlier version of this paper appeared in Proceedings of the 1974 Annual Meetings, American Political Science Association, Ann Arbor, Xerox-University Microfilms.

Lebanon, Alexander and Rosenthal, Howard. "Least Squares Estimation for Models of Cross-Sectional Correlation." Political Methodology 2 (1975): 221-244.

Lee, Mushin and Rosenthal, Howard. "A Behavioral Model of Coalition Formation: The French Apparentements of 1951." Journal of Conflict Resolution (December 1976).

Rosenthal, Howard, and Sen, Subrata. "Spatial Voting Models for the French Fifth Republic." The American Political Science Review 71 (December 1977): 1447-1466. An earlier version of this paper appeared as, "The Electoral Process in France: Spatial Models and the Two Ballot System." Proceedings of the 1974 Annual Meetings, American Political Science Association, Xerox-University Microfilms.

Lebanon, Alexander; McGuire, Timothy; Rosenthal, Howard; and Lee, Mushin. "Cross-Sectional Dependence: The Econometrics of the Huk Rebellion Reconsidered." Political Methodology 5 (1978).

McKelvey, Richard and Rosenthal, Howard. "N-Person Cooperative Game Theory and Spatial

Models of Politics: Empirical Analysis of Electoral Coalitions in France." In Game Theory and Political Science, P. Ordeshook, editor. New York: NYU Press, 1978.

Lee, Mushin, McKelvey, Richard and Rosenthal, Howard. "Game Theory and the French Apparentements of 1951." International Journal of Game Theory, 1980.

Rosenthal, Howard. "Untangling French Voting Behavior: Tales of Aggregation." Political Behavior 3 (1981):363-369.

Romer, Thomas and Howard Rosenthal, "A Constitution for Solving Asymmetric Externality Games." American Journal of Political Science, 27 (February 1983): 1-26.

Palfrey, Thomas R. and Rosenthal, Howard. "A Strategic Calculus of Voting." Public Choice, 41 (No. 1) (1983) 7-53.

Romer, Thomas and Howard Rosenthal. "Voting: Can Mathematical Models Stand the Test of Empirical Evidence." American Scientist, 71 (1984): 465-473.

Poole, Keith T. and Rosenthal, Howard. "U.S. Presidential Elections 1968-1980: A Spatial Analysis." American Journal of Political Science, 28 (May 1984): 283-312.

\_\_\_\_\_. "The Polarization of American Politics." Journal of Politics, (1984) 46: 1061-1079.

\_\_\_\_\_. "The Political Economy of Roll Call Voting in the 'Multi-Party' Congress of the United States." European Journal of Political Economy, 1 (1985): 45-58, reprinted in M. Holler, ed., The Logic of Multi-Party Systems, Wuerzburg, Springer-Verlag, 1987.

Rosenthal, Howard. "Poujadism: The Political Economy of a Flash Party." European Journal of Political Economy 1 (1985): 519-538.

Poole, Keith T. and Rosenthal, Howard. "A Spatial Model for Legislative Roll Call Analysis." American Journal of Political Science, 29 (1985): 357-84.

\_\_\_\_\_. "The Regional Realignment of Congress, 1919-1984." In P. Galderisi, M. Lyons, R. Simmons and J. Francis, eds. Politics in the Intermountain West: Forerunner to Realignment, (1987) Westview Press.

Hildebrand, David K.; Laing, James D.; and Rosenthal, Howard. "Prediction Analysis of Rank Correlation." Political Methodology, 1-211 (1985): 43-48.

Palfrey, Thomas R. and Rosenthal, Howard. "Voter Participation and Strategic Uncertainty." American Political Science Review, (March, 1985): 62-78.

Hansen, Steven; Palfrey, Thomas R.; and Rosenthal, Howard. "The Relationship Between Constituency Size and Turnout: Using Game Theory to Estimate the Cost of Voting." Public Choice, 52 (1987): 15-33.

Poole, Keith T. and Rosenthal, Howard (1987). "Analysis of Congressional Coalition Patterns: A Unidimensional Spatial Model." Legislative Studies Quarterly, 12 (1987): 55-75.

Poole, Keith T. and Rosenthal, Howard. "Roll Call Voting in Congress, 1789-1985: Spatial

Models and the Historical Record." Science at the John Von Neumann National Computing Center, Annual Research Report Fiscal 1987, (1988): 111-116.

Alesina, Alberto and Rosenthal, Howard. "Partisan Cycles in Congressional Elections and the Macroeconomy." American Political Science Review 83 (June, 1989): 373-98. Reprinted (in Japanese) in Public Choice Studies, 1990 and in Joel H. Silbey, ed., The Congress of the United States 1789-1989 4. The United States Congress: The Electoral Connection 1789-1989. Carlson Publishing, 1991.

Rosenthal, Howard. "The Setter Model," in J. Enelow and M. Hinich, eds., Advances in the Spatial Theory of Voting, Cambridge University Press, 1990, 191-211.

Poole, Keith T. and Rosenthal, Howard. "Political Realignment in American History: Results from a Spatial Scaling of the Congressional Roll Record." Science at the John Von Neumann National Computing Center, Annual Research Report, Fiscal 1988, (1989).

Poole, Keith T. and Rosenthal, Howard, "Patterns of Congressional Voting." American Journal of Political Science, 1991, 35:228-78.

Poole, Keith T. and Rosenthal, Howard. "The Spatial Mapping of Minimum Wage Legislation," in Alberto Alesina and Geoffrey Carliner eds., Politics and Economics in the 1980s, Chicago: Univ. of Chicago Press, 1991, 215-46.

\_\_\_\_\_. "Spatial Realignment and the Mapping of Issues in American History: The Evidence from Roll Call Voting," in William H. Riker, ed., Agenda Formation, Ann Arbor, MI: University of Michigan Press, 1993, 13-39.

Platt, Glenn, Poole, Keith T., and Rosenthal, Howard. "Directional and Euclidean Theories of Voting Behavior." Legislative Studies Quarterly, 1992, November, 17: 561-572.

Alesina, Alberto; Londregan, John T. and Rosenthal, Howard. "A Model of the Political Economy of the United States." American Political Science Review, 1993, March, 87: 12-33, reprinted in Paul Peretz, ed., The Politics of American Economy Policy Making, 2<sup>nd</sup> Edition, Armonk, NY, M. E. Sharpe. 1996.

Alesina, Alberto, John Londregan, and Howard Rosenthal, "The 1992, 1994, and 1996 Elections in the United States: A Comment and a Forecast," Public Choice, 88: 115-25, 1996.

Poole, Keith T. and Howard Rosenthal. "The Dynamics of Interest Group Evaluations of Congress" Public Choice, 97(3) December, 323-261. 1998.

Poole, Keith T. and Howard Rosenthal, "D-NOMINATE after 10 Years: A Comparative Update to *Congress: A Political Economic History of Roll-Call Voting*" Legislative Studies Quarterly, 2001 (Feb.) forthcoming.

## ***Economics***

Romer, Thomas and Rosenthal, Howard. "Political Resource Allocation, Controlled Agendas, and the Status Quo." Public Choice 33 (Winter 1978): 27-43. Reprinted in J. Buchanan and R. Tollison, eds., The Theory of Public Choice. II, University of Michigan Press, 1984; to be

reprinted in Charles K. Rowley, ed., Public Choice Theory, Cheltenham, UK: Edward Elgar.

Romer, Thomas and Rosenthal, Howard. "Bureaucrats vs. Voters: On Political Economy of Resource Allocation by Direct Democracy." Quarterly Journal of Economics 93 (November 1979): 563-587.

\_\_\_\_\_. "The Elusive Median Voter." Journal of Public Economics 12 (1979): 143-170, to be reprinted in Charles K. Rowley, ed., Public Choice Theory, Cheltenham, UK: Edward Elgar.

Romer, Thomas and Rosenthal, Howard. "An Institutional Theory of the Effect of Intergovernmental Grants." National Tax Journal 33 (December 1980): 451-458.

Hildebrand, David K.; Laing, James D.; and Rosenthal, Howard. "Prediction Analysis of Economic Models." In Evaluation of Econometric Models, J. Kmenta and J. Ramsey, (eds.). New York: Academic Press, 1981, pp. 92-122.

Filimon, Radu; Romer, Thomas; and Rosenthal, Howard. "Asymmetric Information and Agenda Control: The Bases of Monopoly Power in Public Spending." Journal of Public Economics 17 (1982): 51-70.

Romer, Thomas and Rosenthal, Howard. "Median Voters or Budget Maximizers: Evidence from School Expenditure Referenda." Economic Inquiry, 20 (October, 1982): 556-578.

\_\_\_\_\_. "An Exploration in the Politics and Economics of Local Public Services." In D. Bos et al., eds., Public Production, Zeitschrift fur Nationalokonomie/Journal of Economics. Supplementum 2, (1982): 105-126.

\_\_\_\_\_. "Voting and Spending: Some Empirical Relationships in the Political Economy of Local Public Finance." In Local Provisions of Public Services: The Tiebout Hypothesis After 25 Years, edited by G. Zodrow. New York: Academic Press, 1983, pp. 165-182.

Palfrey, Thomas R. and Howard Rosenthal. "Participation and the Provision of Public Goods: A Strategic Analysis." Journal of Public Economics, 24 (1984): 171-193.

Romer, Thomas and Rosenthal, Howard. "Modern Political Economy and the Study of Regulation," in E.E. Bailey, ed., Public Regulation: New Perspectives on Institutions and Politics, M.I.T. Press, 1987: 73-116.

Poole, Keith T., Thomas Romer, and Rosenthal Howard (1987). "The Revealed Preferences of Political Action Committees." American Economic Review 77: 229-302.

Palfrey, Thomas R. and Rosenthal, Howard. "Private Incentives in Social Dilemmas." Journal of Public Economics, 35 (1988): 309-322.

Palfrey, Thomas R. and Rosenthal, Howard. "Testing for Effects of Cheap Talk in a Public Goods Game with Private Information." Games and Economic Behavior, 1991, 3:183-330.

\_\_\_\_\_. "Testing Game-Theoretic Models of Free Riding: New Evidence on Probability Bias and Learning" in Thomas R. Palfrey, ed., Laboratory Research in Political Economy, Ann Arbor, Univ. of Michigan Press, 1991, 239-68.

Romer, Thomas; Rosenthal, Howard, and Munley, Vincent. "Economic Incentives and Political Institutions: Spending and Voting in School Budget Referenda." Journal of Public Economics, 1992.

Poole, Keith T. and Rosenthal, Howard. "The Enduring 19th Century Battle for Economic Regulation: The Case of the Interstate Commerce Act Revisited." Journal of Law and Economics, 1993, October, 26: 837-860.

\_\_\_\_\_. "Railroad Regulation and Congress, 1847-1887" in Claudia Goldin and Gary Libecap, eds., The Regulated Economy: A Historical Approach to Political Economy, Chicago, Univ. of Chicago Press, 1994, 81-120.

Palfrey, Thomas R. and Rosenthal, Howard. "Effects of Repeated Play on Free Riding Behavior and Coordination.", Review of Economic Studies, 1995.

Alesina, Alberto and Rosenthal, Howard. "A Theory of Divided Government", Econometrica, 1996, November, 64: 1311-1341..

Poole, Keith T. and Howard Rosenthal. "Are Legislators Ideologues or the Agents of Constituents?", European Economic Review (Papers and Proceedings), 1996, 40: 707-717.

Alesina, Alberto and Rosenthal, Howard. "Spatial Competition, Polarization, and Divided Government in the Context of Moderating Institutions." Journal of Public Economics, 2000.

## ***Sociology***

Rosenthal, Howard and Naomi Kies. "L'inference des proprietes individuelles a partir de donnees agregees: Problemes de collinearite." Revue Française de Sociologie 20 (June 1970): 545-556.

Rosenthal, Howard. "Election Simulation." European Journal of Sociology 6 (1965): 21-42; reprinted in Studies and Research 5 (Rome), (January 1965): 43-61.

Hildebrand, David; Laing, James D.; and Rosenthal, Howard. "Prediction Logic: A Method for Empirical Evaluation of Formal Theory." The Journal of Mathematical Sociology 3 (1974): 163-185.

\_\_\_\_\_. "Prediction Logic and Quasi-Independence in Empirical Evaluation of Formal Theory." The Journal of Mathematical Sociology 3 (1974): 197-209.

Rosenthal, Howard. "The Limitations of Log-Linear Analysis." Contemporary Sociology 9 (March, 1980): 207-212.

## **PUBLICATIONS -- NOTES**

Rosenthal, Howard and Padioloeau, Jean. "A Data-Bank of Political Statistics of the French Third Republic 1871-1940." Social Science Information 11 (1971): 303-308.

Laing, James D. and Rosenthal, Howard. Comment on "Linking Form of Hypothesis of Type of Statistic." American Sociological Review 39 (April 1974): 277-280.

Romer, Thomas and Rosenthal, Howard. Comment on "A Bureaucrat-Setter Solution to the N-Prisoner's Dilemma." American Political Science Review 62 (December, 1978): 1364-1365.

Poole, Keith T. and Rosenthal, Howard. "On Dimensionalizing Roll Call Votes in the U.S. Congress." (Controversy with Kenneth Koford) American Political Science Review, 1991, 85: 955-75.

Rosenthal, Howard, "The Unidimensional Congress Is Not the Result of Selective Gatekeeping", American Journal of Political Science, 1992, 36: 31-35.

## WORKING PAPERS

Kies, Naomi and Rosenthal, Howard. "Split Tickets and Aggregate Analysis: Jerusalem 1965." GSIA Working Paper 28-69-70.

Castanias, Richard; McGuire, Timothy; and Rosenthal, Howard. "The French Voter as Rational Man." Paper presented at Econometric Society Third World Congress, Toronto, August 23, 1975.

Poole, Keith T. and Rosenthal, Howard. "Extremism and Intensity in Congressional Voting." GSIA Working Paper 38-83-84.

\_\_\_\_\_. "The Unidimensional Congress, 1919-84." GSIA Working Paper 44-84-85.

\_\_\_\_\_. "The Spatial Stability of Congressional Voting: 1789-1985." GSIA Working Paper 20-87-88.

Alesina, Alberto, Fiorina, Morris; and Rosenthal, Howard. "Why are There So Many Split Senate Delegations? A Model of Opposite Party Advantage." GSIA Working Paper 1990-31.

Ingberman, Daniel and Rosenthal, Howard. "Median Voter Theorems for Divisible Governments", 1996, Nota di Lavoro 42.96, Fondazione Eni Enrico Mattei.

Mathias Dewatripont, Francesco Giavazzi, Jurgen von Hagen, Ian Harden, Torsten Persson, Gerard Roland, Howard Rosenthal, Andre Sapir and Guido Tabellini. "Implementation and Enforcement of the Single Market", ECARE, 1997.

Olszewski, Wojciech and Howard Rosenthal, "Politically Determined Income Inequality and the Provision of Public Goods", Princeton University, 1998, revised 1999.

McCarty, Nolan, Keith T. Poole, and Howard Rosenthal, "Congress and the Territorial Expansion of the United States", Carnegie Mellon University, 1998. (to be published in the

conference volume for the History of Congress conferences, Stanford University Press).

Bolton, Patrick and Howard Rosenthal, "The Political Economy of Debt Moratoria, Bailouts, and Bankruptcy", paper presented at the IADB-OED Final Seminar on "Willingness to Repay in Debt Contracts", Buenos Aires, Argentina, Oct. 26-27, 1998

Berglöf, Erik and Howard Rosenthal, The Political Economy of American Bankruptcy: The Evidence from Roll Call Voting, 1800-1978, Princeton University, 1998, revised 1999.

McCarty, Nolan, Keith T. Poole, and Howard Rosenthal, "The Hunt for Party Discipline in Congress", Center for Advanced Study in the Behavioral Sciences, 1999, revised 2000.

## COMPUTER ANIMATED VIDEO

Animate (with Keith Poole) 1988. (A clip was included in the Smithsonian Institution Exhibit on the History of Supercomputing).

## SOFTWARE

Voteview (with Keith Poole), a relational database with display of roll call voting patterns in geographic and ideological spaces. Voteview for Windows was programmed by Boris Shor, Princeton '96. It can be downloaded without charge from [http://voteview.uh.edu/default\\_nomdata.htm](http://voteview.uh.edu/default_nomdata.htm).

## CURRENT RESEARCH PROJECTS

Realignment: Do Elites Lead the Mass Public? (joint with Nolan McCarty, Columbia University, and Keith Poole, Carnegie Mellon University)

The Political Economy of Contractual Obligations ( a set of collaborations with Eric Berglöf, Stockholm Institute of Transitional Economics, Patrick Bolton, Princeton University, Susanne Lohmann, UCLA, Gerard Roland, ECARE, Brussels, and Ernst-Ludwig von Thadden, Lausanne)

The Comparative Analysis of Roll Call Voting (joint with Jacek Mercik, Wroclaw University, Keith Poole, Carnegie Mellon University, Gerard Roland, Free University, Brussels, and Frantisek Turnovec, Prague).