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## **JANUSZ ALEKSANDER ORDOVER**

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### **EDUCATION**

- 1968-1973      Columbia University, New York, New York  
Graduate Department of Economics and European Institute of the School of International Affairs  
Doctoral Dissertation: Three Essays on Economic Theory (May 1973), Ph.D. 1973
- 1967-1968      McGill University, Montreal, Canada  
Departments of Economics and Political Science
- 1963-1966      Warsaw University, Warsaw, Poland  
Department of Political Economy, B.A. (equiv.), 1966

### **HONORS**

- 2016            “2016 Competition Economist Individual Expert of the Year,” voted by Who’s Who Legal
- 2015            “2015 Competition Economist Individual Expert of the Year,” voted by Who’s Who Legal
- 2011            “The Economist of the Year 2010” voted by the Global Competition Review
- 1973            Columbia University: Highest distinction for the doctoral dissertation
- 1971-1972      Columbia University: Honorary President's Fellow
- 1969-1971      Columbia University: President's Fellow
- 1967-1968      McGill University: Honors Student
- 1964, 1965      Warsaw University: Award for Academic Achievement, Department of Political Economy
- Who's Who in the World  
Who's Who in America  
Who's Who in the East

## PROFESSIONAL EXPERIENCE

- September 2015- present Emeritus Professor of Economics, Dept. of Economics, NYU
- June 1982 - 2015 Professor of Economics  
Department of Economics, New York University, New York, New York
- Sept. 1996 - Aug. 2001 Director of Masters in Economics Program  
Department of Economics, New York University, New York, New York
- Summer 1996-2000 Lecturer  
International Program on Privatization and Reform  
Institute for International Development, Harvard University, Cambridge, Massachusetts
- Aug. 1991 - Oct. 1992 Deputy Assistant Attorney General for Economics  
Antitrust Division  
United States Department of Justice, Washington, D.C.
- Sept. 1989 - July 1990 Visiting Professor of Economics  
School of Management, Yale University, New Haven, Connecticut
- Lecturer in Law  
Yale Law School
- Mar. 1984 - June 1988 Visiting Professor of Economics  
Universita Commerciale "Luigi Bocconi," Milan, Italy
- June 1982 - Feb. 1985 Director of Graduate Studies  
Department of Economics, New York University
- Sept. 1982 - June 1986 Adjunct Professor of Law (part-time)  
Columbia University Law School, New York, New York
- Feb. 1982 - June 1982 Acting Director of Graduate Studies  
Department of Economics, New York University
- June 1978 - June 1982 Associate Professor of Economics  
Department of Economics, New York University
- Sept. 1979 - May 1990 Lecturer in Economics and Antitrust  
New York University Law School
- Sept. 1977 - June 1978 Member, Technical Staff  
Bell Laboratories, Holmdel, New Jersey
- Associate Professor of Economics  
Columbia University
- Visiting Research Scholar  
Center for Law and Economics, University of Miami, Miami, Florida

Sept. 1973 - Assistant Professor of Economics  
 Aug. 1977 New York University

Summer 1976 Fellow, Legal Institute for Economists,  
 Center for Law and Economics, University of Miami

Summer 1976 Visiting Researcher Bell Laboratories, Holmdel, New Jersey

### **OTHER PROFESSIONAL ACTIVITIES**

2011 Organizer  
 Session on the 2010 Agencies Horizontal Merger Guidelines, 2011 Spring Meetings, Antitrust Section,  
 American Bar Association, Washington DC

2010 – present Member  
 ABA Section of Antitrust Law, Economics Task Force

2006 - present Special Consultant  
 Compass Lexecon (formerly Compass), an FTI Company, Washington, D.C.

2003 - 2006 Director  
 Competition Policy Associates, Inc. (“Compass”), Washington, D.C.

1997 – 1999 Consultant  
 Inter-American Development Bank, Washington, D.C.

1997 – 2009 Board of Editors  
*Antitrust Report*

1995 – 2001 Consultant  
 The World Bank, Washington, D.C.

1998 – 2004 Senior Consultant  
 Applied Economic Solutions, Inc., San Francisco, California

1995 - 2000 Senior Affiliate  
 Cornerstone Research, Inc., Palo Alto, California

Various Testimony at Hearings of the Federal Trade Commission

1994 - 1996 Senior Affiliate  
 Law and Economics Consulting Group, Emeryville, California

1994 - 2000 Senior Affiliate  
 Consultants in Industry Economics, LLC, Princeton, New Jersey

1993 - 1994 Director  
 Consultants in Industry Economics, Inc., Princeton, New Jersey

1992 - 1993 Vice-Chair (*pro tempore*)  
 Economics Committee, American Bar Association, Chicago, Illinois

1990 - 1991 Senior Consultant  
 1992 - 1995 Organization for Economic Cooperation and Development, Paris, France

1991	Member <i>Ad hoc</i> Working Group on Bulgaria's Draft Antitrust Law The Central and East European Law Initiative American Bar Association
1990 - 1991	Advisor Polish Ministry of Finance and Anti-Monopoly Office Warsaw, Poland
1990 - 1991	Member Special Committee on Antitrust Section of Antitrust Law, American Bar Association
1990 - 1991	Director and Senior Advisor Putnam, Hayes & Bartlett, Inc., Washington, D.C.
1990 - 1996	Member Predatory Pricing Monograph Task Force Section of Antitrust Law, American Bar Association
1989	Hearings on Competitive Issues in the Cable TV Industry Subcommittee on Monopolies and Business Rights of the Senate Judiciary Committee Washington, D.C.
1989	Member EEC Merger Control Task Force, American Bar Association
1988 - present	Associate Member American Bar Association
1987 - 1989	Adjunct Member Antitrust and Trade Regulation Committee, The Association of the Bar of the City of New York
1984	Speaker, "Industrial and Intellectual Property: The Antitrust Interface" National Institutes, American Bar Association, Philadelphia, Pennsylvania
1983 - 1990	Director Consultants in Industry Economics, Inc.
1982	Member Organizing Committee Tenth Annual Telecommunications Policy Research Conference, Annapolis, Maryland
1981	Member Section 7 Clayton Act Committee, Project on Revising Merger Guidelines American Bar Association
1980	Organizer Invited Session on Law and Economics American Economic Association Meetings, Denver, Colorado
1978 - 1979	Member Department of Commerce Technical Advisory Board Scientific and Technical Information Economics and Pricing Subgroup

1978 – present Referee for numerous scholarly journals, publishers, and the National Science Foundation

## MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Economic Association  
American Bar Association

## PUBLICATIONS

### A. Journal Articles

“FRAND and the Smallest Saleable Unit,” with J. Kattan and A. Shampine, *Antitrust Chronicle*, September, vol. 1, Autumn 2016, available at [www.competitionpolicyinternational.com](http://www.competitionpolicyinternational.com)

“Exclusionary Discounts,” with Greg Shaffer, *International J. of Industrial Org.*, vol. 31, 569-86, September 2013

“Coordinated Effects in Merger Analysis: An Introduction,” *Columbia Bus. Law Review*, No. 2, 2007, 411-36.

“Wholesale access in multi-firm markets: When is it profitable to supply a competitor?” with Greg Shaffer, *International Journal of Industrial Organization*, vol. 25 (5), October 2007, 1026-45.

“Merchant Benefits and Public Policy towards Interchange: An Economic Assessment,” with M. Guerin-Calvert, *Review of Network Economics: Special Issue*, vol. 4 (4), December 2005, 381-414.

“All-Units Discounts in Retail Contracts,” with S. Kolay and G. Shaffer, *J. of Economics and Management Strategy*, vol. 13 (3), September 2004, 429-59.

“Archimedean Leveraging and the GE/Honeywell Transaction,” with R. J. Reynolds, *Antitrust Law Journal*, vol. 70, no. 1, 2002, 171-98.

“Entrepreneurship, Access Policy and Economic Development: Lessons from Industrial Organizations,” with M. A. Dutz and R. D. Willig, *European Economic Review*, vol. 4, no. 4-6, May 2000.

“Parity Pricing and its Critics: Necessary Condition for Efficiency in Provision of Bottleneck Services to Competitors,” with W. J. Baumol and R. D. Willig, *Yale Journal on Regulation*, vol. 14, Winter 1997, 146-63.

“Competition and Trade Law and the Case for a Modest Linkage,” with E. Fox, *World Competition, Law and Economics Review*, vol. 19, December 1995, 5-34.

“On the Perils of Vertical Control by a Partial Owner of Downstream Enterprise,” with W.J. Baumol, *Revue D'économie industrielle*, No. 69, 3<sup>e</sup> trimestre 1994, 7-20.

“Competition Policy for Natural Monopolies in Developing Market Economy,” with R.W. Pittman and P. Clyde, *Economics of Transition*, vol. 2, no. 3, September 1994, 317-343. Reprinted in B. Clay (ed.), *De-monopolization and Competition Policy in Post-Communist Economies*, Westview Press 1996, 159-193.

“The 1992 Agency Horizontal Merger Guidelines and the Department of Justice's Approach to Bank Merger Analysis,” with M. Guerin-Calvert, *Antitrust Bulletin*, vol. 37, no. 3, 667-688. Reprinted in *Proceedings of the 1992 Conference on Bank Structure and Competition: Credit Markets in Transition*, Federal Reserve Bank of Chicago, 1992, 541-560.

“Entry Analysis Under the 1992 Horizontal Merger Guidelines,” with Jonathan B. Baker, *Antitrust Law Journal*, vol. 61, no. 1, Summer 1992, 139-146.

“Economics and the 1992 Merger Guidelines: A Brief Survey,” with Robert D. Willig, *Review of Industrial Organization*, vol. 8, 139-150, 1993. Reprinted in E. Fox and J. Halverson (eds.), *Collaborations Among Competitors: Antitrust Policy and Economics*, American Bar Association, 1992, 639-652.

“Equilibrium Vertical Foreclosure: A Reply,” with G. Saloner and S.C. Salop, *American Economic Review*, vol. 82, no. 3, 1992, 698-703.

“A Patent System for Both Diffusion and Exclusion,” *Journal of Economic Perspectives*, vol. 5, Winter 1991, 43-60.

“R&D Cooperation and Competition,” with M. Katz, *Brookings Papers on Economic Activity: Microeconomics*, 1990, 137-203.

“Equilibrium Vertical Foreclosure,” with G. Saloner and S. Salop, *American Economic Review*, vol. 80, March 1990, 127-142.

“Antitrust Policy for High-Technology Industries,” with W.J. Baumol, *Oxford Review of Economic Policy*, vol. 4, Winter 1988, 13-34. Reprinted in E. Fox and J. Halverson (eds.), *Collaborations Among Competitors: Antitrust Policy and Economics*, American Bar Association, 1991, 949-984.

“Conflicts of Jurisdiction: Antitrust and Industrial Policy,” *Law and Contemporary Problems*, vol. 50, Summer 1987, 165-178.

“Market Structure and Optimal Management Organization,” with C. Bull, *Rand Journal of Economics*, vol. 18, no. 4, Winter 1987, 480-491.

“A Sequential Concession Game with Asymmetric Information,” with A. Rubinstein, *Quarterly Journal of Economics*, vol. 101, no.4, November 1986, 879-888.

“The G.M.-Toyota Joint Venture: An Economic Assessment,” with C. Shapiro, *Wayne Law Journal*, vol. 31, no. 4, 1985, 1167-1194.

“Economic Foundations and Considerations in Protecting Industrial and Intellectual Property: An Introduction,” *Antitrust Law Journal*, vol. 53, no. 3, 1985. 503-518, Comments, 523-532.

“Antitrust for High-Technology Industries: Assessing Research Joint Ventures and Mergers,” with R.D. Willig, *Journal of Law and Economics*, vol. 28, May 1985, 311-334.

“Use of Antitrust to Subvert Competition,” with W.J. Baumol, *Journal of Law and Economics*, vol. 28, May 1985, 247-266. Reprinted in *Journal of Reprints for Antitrust Law and Economics*, vol. 16, no. 2.

“Advances in Supervision Technology and Economic Welfare: A General Equilibrium Analysis,” with C. Shapiro, *Journal of Public Economics*, vol. 25/3, 1985, 371-390.

“Predatory Systems Rivalry: A Reply,” with A. O. Sykes and R. D. Willig, 83 *Columbia Law Review*, June 1983, 1150-1166. Reprinted in *Corporate Counsel*, Matthew Bender & Company, 1984, 433-450.

“The 1982 Department of Justice Merger Guidelines: An Economic Assessment,” with R. D. Willig, 71 *California Law Review*, March 1983, 535-574. Reprinted in *Antitrust Policy in Transition: The Convergence of Law and Economics*, E. Fox and J. Halverson (eds.), American Bar Association Press, 1984, 267-304.

“Unfair International Trade Practices,” with A. O. Sykes and R. D. Willig, 15 *Journal of International Law and Politics*, Winter 1983, 323-338.

- “On Non-linear Pricing of Inputs,” with J. Panzar, *International Economic Review*, October 1982, 659-675.
- “Herfindahl Concentration, Rivalry and Mergers,” with A. O. Sykes and R. D. Willig, *Harvard Law Review*, vol. 95, June 1982, 1857-1875.
- “A Reply to 'Journals as Shared Goods: Comment,'” with R. D. Willig, *American Economic Review*, June 1982, 603-607.
- “Proposed Revisions to the Justice Department's Merger Guidelines,” with S. Edwards, *et al.*, *Columbia Law Review*, vol. 81, December 1981, 1543-1591.
- “An Economic Definition of Predation: Pricing and Product Innovation,” with R.D. Willig, *Yale Law Journal*, vol. 91, November 1981, 8-53.
- “On the Consequences of Costly Litigation in the Model of Single Activity Accidents: Some New Results,” *Journal of Legal Studies*, June 1981, 269-291.
- “On the Political Sustainability of Taxes,” with A. Schotter, *American Economic Review Papers and Proceedings*, May 1981, 278-282.
- “Information and the Law: Evaluating Legal Restrictions on Competitive Contracts,” with A. Weiss, *American Economic Review Papers and Proceedings*, May 1981, 399-404.
- “Redistributing Incomes: *Ex Ante* or *Ex Post*,” *Economic Inquiry*, April 1981, 333-349.
- “On the Nonexistence of *Pareto Superior* Outlay Schedules,” with J. Panzar, *The Bell Journal of Economics*, Spring 1980, 351-354.
- “The Role of Information in the Design of Public Policy Towards Externalities,” with R. D. Willig, *Journal of Public Economics*, December 1979, 271-299.
- “On the Concept of Optimal Taxation in the Overlapping-Generations Model of Efficient Growth,” with E.S. Phelps, *Journal of Public Economics*, August 1979, 1-27.
- “Products Liability in Markets With Heterogeneous Consumers,” *Journal of Legal Studies*, June 1979, 505-525.
- “Costly Litigation and the Tort Law: Single Activity Accidents,” *Journal of Legal Studies*, June 1978, 243-261.
- “On the Optimal Provision of Journals Qua Excludable Public Goods,” with R. D. Willig, *American Economic Review*, June 1978, 324-338.
- “Distortionary Wage Differentials in a Two-Sector Growth Model: Some Theorems on Factor Earnings,” *International Economic Review*, June 1978, 321-333.
- “On the Optimality of Public-Goods Pricing with Exclusion Devices,” with W.J. Baumol, *Kyklos*, Fasc. 1, 1977, 5-21.
- “Public Good Properties in Reality: The Case of Scientific Journals,” with W.J. Baumol, *Proceedings of the ASIS Meetings*, San Francisco, October 1976.
- “Merger Illusions and Externalities: A Note,” with A. Schotter, *Eastern Economic Review*, November 1976, 19-21.
- “Distributive Justice and Optimal Taxation of Wages and Interest in a Growing Economy,” *Journal of Public Economics*, January 1976, 139-160.

“Linear Taxation of Wealth and Wages for Intragenerational Lifetime Justice: Some Steady-State Cases,” with E.S. Phelps, *American Economic Review*, September 1975, 660-673.

## **B. Books and Monographs**

*Proceedings of the Tenth Annual Telecommunications Policy Research Conference*, editor with O. Gandy and P. Espinosa, ABLEX Publishers, 1983.

*Obstacles to Trade and Competition*, with L. Goldberg, OECD, Paris, 1993.

*Predatory Pricing*, with William Green, *et al.*, American Bar Association, Section of Antitrust Law, Monograph 22, 1996.

## **C. Book Chapters**

“Coordinated Effects: Evolution of Practice and Theory,” with J. Jayaratne, chap. 21, in R.D. Blair and D.D. Sokol (eds.), *The Oxford Handbook of International Antitrust Economics*, Oxford U.P., 2015, 509-28.

“Coordinated Effects,” chap. 27, in *Issues in Competition Law and Policy*, vol. 2, American Bar Association, 2008, 1359-1384.

“Practical Rules for Pricing Access in Telecommunications,” with R. D. Willig, Chap. 6, in *Second-Generations Reforms in Infrastructure Services*, F. Besanes and R. D. Willig (eds.), Inter-American Development Bank, Washington, D.C., April 2002, 149-76.

“Sustainable Privatization of Latin American Infrastructure: The Role of Law and Regulatory Institutions,” with Evamaria Uribe, Chap. 1 in F. Basanes, E. Uribe, R. D. Willig (eds.), *Can Privatization Deliver? Infrastructure for Latin America*, The Johns Hopkins U. P. for Inter-American Development Bank, 1999, 9-32.

“Access and Bundling in High-Technology Markets,” with R. D. Willig, Chap. 6, in J. A. Eisenach and T. M. Leonard, (eds.), *Competition, Innovation, and the Microsoft Monopoly: The Role of Antitrust in the Digital Marketplace*, Kluwer Academic Press, 1999, 103-29.

“The Harmonization of Competition and Trade Law,” with E. Fox, Chap. 15 in L. Waverman, *et al.* (eds.), *Competition Policy in the Global Economy*, Routledge, 1997, 407-439.

“Transition to a Market Economy: Some Industrial Organization Issues,” with M. Iwanek, Chap. 7 in H. Kierzkowski, *et al.* (eds.), *Stabilization and Structural Adjustment in Poland*, Routledge, 1993, 133-170.

“Competition Policies for Natural Monopolies in a Developing Market Economy,” with Russell Pittman, *Butterworth's Trade and Finance in Central and Eastern Europe*, Butterworth Law Publishers Ltd., 1993, 78-88, Reprinted in *Journal for Shareholders* (published by the Russian Union of Shareholder), Moscow, January 1993, 33-36; *Versenyfelügyeleti Ertesimo* (Bulletin of Competition Supervision), Budapest, vol. 3, no. 1-2, January 1993, 30-41; *Narodni Hospodarstvi* (National Economy), Prague; *ICE: Revista de Economia*, No. 736 (December 1994) (in Spanish), 69-90.

“Antitrust: Source of Dynamic and Static Inefficiencies?” with W.J. Baumol, in T. Jorde and D. Teece (eds.), *Antitrust, Innovation, and Competitiveness*, Oxford University Press, 1992, 82-97. Reprinted in “The Journal of Reprints for Antitrust Law and Economics,” vol. 26, no. 1, 1996.

“Economic Foundations of Competition Policy: A Review of Recent Contributions,” in W. Comanor, *et al.*, *Competition Policy in Europe and North America: Economic Issues and Institutions, Fundamentals of Pure and Applied Economics* (Vol. 43), Harwood Academic Publishers, 1990, 7-42.

“The Department of Justice 1988 Guidelines for International Operations: An Economic Assessment,” with A.O. Sykes, in B. Hawk (ed.), *European/American Antitrust and Trade Laws*, Matthew Bender, 1989, 4.1-4.18.



“Predation, Monopolization, and Antitrust,” with G. Saloner, in R. Schmalensee and R.D. Willig (eds.), *Handbook of Industrial Organization*, vol. 1, North Holland, 1989, 538-596.

“Supervision Technology, Firm Structure, and Employees' Welfare,” in *Prices, Competition and Equilibrium*, M. Peston and R.E. Quandt (eds.), Philip Allan Publishers, Ltd., 1986, 142-163.

“Perspectives on Mergers and World Competition,” with R.D. Willig, in *Antitrust and Regulation*, R. Grieson (ed.), Lexington Books, 1986, 201-218.

“Transnational Antitrust and Economics,” in *Antitrust and Trade Policies in International Trade*, B. Hawk (ed.), Matthew Bender, 1985, 233-248.

“Pricing of Interexchange Access: Some Thoughts on the Third Report and Order in FCC Docket No. 78-72,” in *Proceedings of the Eleventh Annual Telecommunications Policy Research Conference*, Vincent Mosco (ed.), ABLEX Publishers, 1984, 145-161.

“Non-Price Anticompetitive Behavior by Dominant Firms Toward the Producers of Complementary Products,” with A.O. Sykes and R.D. Willig, in *Antitrust and Regulation: Essays in Memory of John McGowan*, F. Fisher (ed.), MIT Press, 1985, 315-330.

“Local Telephone Pricing in a Competitive Environment,” with R.D. Willig, in *Regulating New Telecommunication Networks*, E. Noam (ed.), Harcourt Brace Jovanovich, 1983, 267-289.

“An Economic Definition of Predatory Product Innovation,” with R.D. Willig, in *Strategy, Predation and Antitrust Analysis*, S. Salop (ed.), Federal Trade Commission, 1981, 301-396.

“Marginal Cost,” in *Encyclopedia of Economics*, D. Greenwald (ed.), McGraw-Hill, 2nd ed. 1994, 627-630.

“Understanding Economic Justice: Some Recent Development in Pure and Applied Welfare Economics,” in *Economic Perspectives*, M. Ballabon (ed.) Harwood Academic Publishers, vol. 1, 1979, 51-72.

“Problems of Political Equilibrium in the Soviet Proposals for a European Security Conference,” in *Columbia Essays in International Affairs*, Andrew W. Cordier (ed.) Columbia University Press, New York, 1971, 1951-197

#### **D. Other Publications**

“Intellectual Ventures v. Capital One: Can Antitrust Law and Economics Get Us Past the Trolls?” with Michelle Miller, *Competition Policy International*, vol. 1, No. 2, Winter 2015, available at <https://www.competitionpolicyinternational.com/intellectual-ventures-v-capital-one-can-antitrust-law-and-economics-get-us-past-the-trolls/>

“Implementing the FRAND Commitment,” with Allan Shampine, *Antitrust Source*, October 2014, available at [http://www.americanbar.org/content/dam/aba/publishing/antitrust\\_source/oct14\\_full\\_source.authcheckdam.pdf](http://www.americanbar.org/content/dam/aba/publishing/antitrust_source/oct14_full_source.authcheckdam.pdf)

“Economics and Competition Policy: A Two-sided Market?” with Jith Jayaratne, *Antitrust Magazine*, vol. 27, No. 1, Fall 2012, pp. 78-80.

“Editorial: Thinking about coordinated effects,” with Jith Jayaratne, *Concurrences 3-2012*, September 2012.

“The 2010 Horizontal Merger Guidelines: A Static Compass in a Dynamic World,” with Jay Ezrielev, *Antitrust Source*, October 2010, available at [www.antitrustsource.com](http://www.antitrustsource.com).

“The Economics of Price Discrimination,” with Doug Fontaine and Greg Shaffer, in *The Economics of the Internet, The Vodafone Policy Paper Series*, No. 11, April 11, 2010, 27-51.

“How Loyalty Discounts Can Perversely Discourage Discounting: Comment,” with Assaf Eilat, *et al.*, *The CPI Antitrust Journal*, April 2010 (1).

“Economic Analysis in Antitrust Class Certification: *Hydrogen Peroxide*,” with Paul Godek, *Antitrust Magazine*, vol. 24, No. 1, Fall 2009, pp. 62-65.

“Comments on Evans & Schmalensee’s ‘The Industrial Organization of Markets with Two-Sided Platforms.’” *Competition Policy International*, vol. 3(1), Spring 2007, 181-90.

“Safer Than A Known Way? A Critique of the FTC’s Report on Competition and Patent Law and Policy,” with I. Simmons and D. A. Applebaum, *Antitrust Magazine*, Spring 2004, 39-43.

“Predatory Pricing,” in Peter Newman (ed.), *The New Palgrave Dictionary of Economics and the Law*, Grove Dictionaries, New York, 1999. Revised in *The New Palgrave Dictionary of Economics*, 2<sup>nd</sup> edition, S. Durlauf and L. Blume (editors) (forthcoming 2007).

Book review of L. Philips, *Competition Policy: A Game Theoretic Perspective*, reviewed in *Journal of Economic Literature*, vol. 35, No.3, September 1997, 1408-9.

“The Role of Efficiencies in Merger Assessment: The 1997 Guidelines,” *Antitrust Report*, September 1997, 10-17.

“Bingaman’s Antitrust Era,” *Regulation*, vol. 20, No. 2, Spring 1997, 21-26.

“Competition Policy for High-Technology Industries,” *International Business Lawyer*, vol. 24, No. 10, November 1996, 479-82.

“Internationalizing Competition Law to Limit Parochial State and Private Action: Moving Towards the Vision of World Welfare,” with E.M. Fox, *International Business Lawyer*, vol. 24, No. 10, November 1996, 458-62.

“Economists’ View: The Department of Justice Draft for the Licensing and Acquisition of Intellectual Property,” *Antitrust*, vol. 9, No. 2, Spring 1995, 29-36.

“Competition Policy During Transformation to a Centrally Planned Economy: A Comment,” with R.W. Pittman, in B. Hawk (ed.), *1992 Fordham Corporate Law Institute*, 533-38.

“Poland: The First 1,000 Days and Beyond,” *Economic Times*, vol. 3, no. 9, October 1992, 6-7.

“Interview: Janusz A. Ordovery: A Merger of Standards? The 1992 Merger Guidelines,” *Antitrust*, vol. 6, no. 3, Summer 1992, 12-16.

“Interview: U.S. Justice Department’s New Chief Economist: Janusz A. Ordovery,” *International Merger Law*, no. 14, October 1991.

“Poland: Economy in Transition,” *Business Economics*, vol. 26, no. 1, January 1991, 25-30.

“Economic Analysis of Section 337: Protectionism versus Protection of Intellectual Property,” with R.D. Willig, in *Technology, Trade and World Competition*, JEIDA Conference Proceedings, Washington, D.C., 1990, 199-232.

“Eastern Europe Needs Antitrust Now,” with E. Fox, *New York Law Journal*, November 23, 1990, 1-4.

“Understanding Econometric Methods of Market Definition,” with D. Wall, *Antitrust*, vol. 3, no. 3, Summer 1989, 20-25.

“Proving Entry Barriers: A Practical Guide to Economics of Entry,” with D. Wall, *Antitrust*, vol. 2, no. 2, Winter 1988, 12-17.

“Proving Predation After Monfort and Matsushita: What the New 'New Learning' has to Offer,” with D. Wall, *Antitrust*, vol. 1, no. 3, Summer 1987, 5-11.

“The Costs of the Tort System,” with A. Schotter, Economic Policy Paper No. PP-42, New York University, March 1986. Reprinted in *Congressional Record*, U.S. Government Printing Office, Washington, D.C., 1987.

“An Economic Definition of Predation: Pricing and Product Innovation,” with R.D. Willig, Report for the Federal Trade Commission, October 1982, 131 pp.

“Market Power and Market Definition,” with R.D. Willig, Memorandum for ABA Section 7 Clayton Act Committee, Project on Revising the Merger Guidelines, May 1981.

“Herfindahl Concentration Index,” with R.D. Willig, Memorandum for ABA Section 7 Clayton Act Committee, Project on Revising the Merger Guidelines, March 1981.

“Public Interest Pricing of Scientific and Technical Information,” Report for the Department of Commerce Technical Advisory Board, September 1979.

“Economics of Property Rights as Applied to Computer Software and Databases,” with Y.M. Braunstein, D.M. Fischer, W.J. Baumol, prepared for the National Commission on New Technological Uses of Copyrighted Works, June 1977, 140 pp. Reprinted in part in *Technology and Copyright*, R.H. Dreyfuss (ed.), Lemond Publications, 1978.

Book review of O. Morgenstern and G.L. Thompson, *Economic Theory of Expanding and Contracting Economies*, reviewed in *Southern Economic Journal*, September 1978.

“Manual of Pricing and Cost Determination for Organizations Engaged in Dissemination of Knowledge,” with W.J. Baumol, Y.M. Braunstein, D.M. Fischer, prepared for the Division of Science Information, NSF April 1977, 150 pp.

### UNPUBLISHED PAPERS

“Activating *Actavis* with a More Complete Model,” with Michael G. Baumann, John P. Bigelow, Barry C. Harris, Kevin M. Murphy, Robert D. Willig, and Matthew B. Wright, Revised version forthcoming in *Antitrust*, January 28, 2014

“Exclusionary Discounts,” with Greg Shaffer, August 2006.

“Regulation of Credit Card Interchange Fees and Incentives for Network Investments,” with Y. Wang, Competition Policy Associates WP, Washington D.C. September 2005.

“Economics, Antitrust and the Motion Picture Industry,” C.V. Starr Center Policy Paper, July 1983.

“On Bargaining, Settling, and Litigating: A Problem in Multiperiod Games With Imperfect Information,” with A. Rubinstein, C.V. Starr Working Paper, December 1982.

“Supervision and Social Welfare: An Expository Example,” C.V. Starr Center Working Paper, January 1982.

“Should We Take Rights Seriously: Economic Analysis of the Family Education Rights Act,” with M. Manove, November 1977.

“An Echo or a Choice: Product Variety Under Monopolistic Competition,” with A. Weiss; presented at the Bell Laboratories Conference on Market Structures, February 1977.

## **GRANTS RECEIVED**

Regulation and Policy Analysis Program, National Science Foundation, Collaborative Research on Antitrust Policy, Principal Investigator, July 15, 1985 - December 31, 1986.

Regulation of Economic Activity Program, National Science Foundation, Microeconomic Analysis of Antitrust Policy, Principal Investigator, April 1, 1983 - March 31, 1984.

Economics Division of the National Science Foundation, "Political Economy of Taxation," Principal Investigator, Summer 1982.

Sloan Workshop in Applied Microeconomics (coordinator), with W.J. Baumol (Principal Coordinator), September 1977 - August 1982.

Economics Division of the National Science Foundation, "Collaborative Research on the Theory of Optimal Taxation and Tax Reform," July 1979 to September 1980, with E.S. Phelps.

Division of Science Information of the National Science Foundation for Research on "Scale Economies and Public Goods Properties of Information," W.J. Baumol, Y.M. Braunstein, M.I. Nadiri, Fall 1974 to Fall 1977.

National Science Foundation Institutional Grant to New York University for Research on Taxation and Distribution of Income, Summer 1974.