

## CURRICULUM VITAE

**CHARLES E. PHELPS**

**05/2012**

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Married:  
Dale L. Phelps, MD

### ACADEMIC TRAINING:

1973	Ph.D.	University of Chicago (Business Economics)
1968	M.B.A.	University of Chicago (Hospital Administration)
1965	B.A.	Pomona College (Mathematics)

### PROFESSIONAL EXPERIENCE:

09/2008 - 06/2009	Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford University
8/2007 –	University Professor and Provost Emeritus
7/1994 - 7/2007	Provost, University of Rochester
5/2003 – 6/2003	Acting Sr. Vice President for Health Affairs and Medical Center CEO, University of Rochester
7/1989 - present	Professor, Community and Preventive Medicine, School of Medicine and Dentistry, University of Rochester (Chair, 7/89 - 6/94)
1984 - present	Professor, Political Science and Economics, University of Rochester and Member, Rochester Center for Economic Research (Director, Public Policy Analysis Program, 7/84 - 6/89)
1979 - 1984	Director, Regulatory Policies and Institutions Program, and Senior Staff Economist, The RAND Corporation, Santa Monica, CA and faculty member, RAND Graduate Institute.
1971 - 1979	Research Economist, Economics Department, The RAND Corporation
1969 - 1971	Research Associate, Univ. of Chicago, Center for Health Admin. Studies

### PROFESSIONAL ORGANIZATIONS AND HONORS:

#### Member

Institute of Medicine of the National Academy of Sciences (Member, 1991 -- )  
National Bureau for Economic Research (Associate, 1991 -- )  
Society for Medical Decision Making (Trustee, 1990-1992)  
Association for Public Policy Analysis and Management (Secretary, 1980 - 1991)  
Agency for Health Care Policy and Research  
Health Care Technology Study Section (10/1990 - 6/1994)  
National Academy of Social Insurance (Member, 1999 – )

#### Associate Editor/Editorial Boards

Journal of Health Economics (1984 - 2005)  
Journal of Risk and Uncertainty (1990 through 2000)  
Economic Bulletin (e-journal) Founding associate editor, 2000 - 2007

**Fellowships**

Fellow, Center for Advanced Study in the Behavioral Sciences (2008-2009)

**MAJOR COMMITTEE AND ORGANIZATIONAL ASSIGNMENTS**

**University of Rochester**

Faculty Advisory Committee for Presidential Search (Chair), 1993

Chair, Dept. of Community and Preventive Medicine, 1989 -- 1994

Executive Committee and Informal Executive Committee,

School of Medicine and Dentistry, 1989 -- 1994

Academic Computing Executive Committee, 1988 -- 1994

Chair, Health and Society Committee (interdisciplinary major), 1984 -- 1994

Director, Public Policy Analysis Program, 1984 - 1989

**External**

Institute of Medicine, Committee on Identifying and Prioritizing

New Preventive Vaccines for Development (2011 - 2013)

National Research Council, Report Review Committee (2<sup>nd</sup> term, 2010 - )

CardioDX, Inc, Consultant (2010 -)

Gilead Sciences, Inc., Consultant (2008 -)

VirtualScopics, Inc., Board of Directors (2006 -)

National Research Council Report Review Committee (2002-2007, 2010 -)

Thomson Scientific, Inc. National Advisory Board (2004- 2009)

Center for Research Libraries, Board of Trustees (10/2004 - 5/10)

NAS/NRC National Associate (Lifetime appt., 2003)

National Research Council, Report Review Committee (2002 - 2008, 2010 -)

Library of Congress, National Adv. Comm. for Digital Strategies (2001- 2008)

Institute of Medicine, Committee on Gulf War Illnesses (1999-2000)

Rochester Center for Governmental Research, Board of Trustees, (1998-1999)

Council on Library and Information Resources, Board of Trustees, (1997 - 2006)

(Chair of Board of Trustees, 2004 - 2006)

Intellectual Property Committee, Association of American Universities (1997 - 2007)

Rochester Health Commission, Commissioner (1995 - 2000)

Inst. of Medicine, Committee for Priority Setting in Med. Technology (1989-90)

Inst. of Medicine, Committee on Medical Technologies (1985 - 86)

Inst. of Medicine Board on Health Promotion and Disease Prevention (1980-84)

**PUBLICATIONS AND PAPERS:**

**1. Books**

*Ranking Vaccines – A Prioritizing Framework Phase I: Demonstration of Concept and Software Blueprint*, Madhavan G, Kinpritma S, Phelps C, Fryback D, Lieu T, Martinez RM, King L, eds. Washington, DC: National Academy Press, 2012.

*Eight Questions You Should Ask About Our Health Care System (Even if the Answers Make You Sick)*, Hoover Institution Press, Stanford, CA, 2010.

*Not for Profit Organizations: Purposes, Governance and Market Behavior* (CE Phelps, under review, academic press)

*Health Economics*, (CE Phelps); Fifth Edition (2013), Fourth edition (2010), Third edition, (2003); Second edition (1998); First edition (1992). Addison Wesley Longman.

*Les fondements de l'economie de la sante* (C Phelps, translation by Rene Pietri), Publi-Union, Paris, France, 1995

**衛生經濟學** (C Phelps, translated and published by National Institute for Compilation and Translation, Taipei, Taiwan, Republic of China, 1999).

Health Economics, Third Edition translated into Arabic by the Supreme Council of Culture, Cairo, Egypt, 2005.

*Transforming Ideas: Selected Profiles in University of Rochester Research and Scholarship*, (R Kraus and CE Phelps, Eds.), Rochester, NY: University of Rochester Press, October, 2000.

*Free for All? Lessons from the RAND Health Insurance Experiment*, (JP Newhouse and the RAND Health Insurance Experiment Group), Cambridge, MA, Harvard Univ. Press, 1993.

## 2. Refereed Journals and Related Publications

Costs and Clinical Outcomes Associated with Use of Ranolazine for Treatment of Angina For Treatment of Angina, Phelps CE, Buysman E, Gomez Rey G, *Clinical Therapeutics*, in press, 2013.

"How do Health Insurance Loading Fees Vary by Group Size?: Implications for Healthcare Reform," *International Journal of Health Care Finance and Economics*, 2011; 11(3):181-207, (Karaca-Mandic P, Abraham J, Phelps CE)

"Effects of Mass Media Coverage on Timing and Annual Receipt of Influenza Vaccination Among Medicare Elderly," *Health Services Research*, (Yoo BK, Holland ML, Bhattacharya J, Phelps CE, Szilagyi PG)

"Effects of an Ongoing Epidemic on the Annual Influenza Vaccination Rate and Vaccination Timing Among the Medicare Elderly: 2000-2005," *American Journal of Public Health*, 2009: 99, Supplement, (Yoo BK, Kasajima M, Fiscella K, Bennett NM, Phelps CE, Szilagyi PG).

"Managed Care Quality of Care and Plan Choice in New York SCHIP," *Health Services Research*, 2009 (H Liu, CE Phelps, PJ Veazie, AW Dick, JD Klein, LP Shone, K Noyes, PG Szilagyi).

"Economic Analysis of Medical Practice Variation between 1991 and 2000: Gauging Ten Impact of Ten Years of Patient Outcomes Research", *International Journal of Technology Assessment in Health Care*, 2008 Jul; 24 (3):282-293. (SJ Parente, CE Phelps, RA Connor)

"The Value of Patient-Reported Health Status in Predicting Short-Term Outcomes After Coronary Artery Bypass Graft Surgery," *Medical Care* 2002, 40(11): 1090-1100 (LH Curtis, CE Phelps, MP McDermott, HR Rubin).

"Information Diffusion and Best Practice Adoption," in *Handbook of Health Economics*, JP Newhouse, A Culyer, eds., North Holland Press, 2000.

"The Economic Foundations of Cost-Effectiveness Analysis," *Journal of Health Economics* 1997; 16(1):1 - 31, (AM Garber and CE Phelps); reprinted in *Cost-Benefit Analysis* (AC Harberger and GP Jenkins, eds.), Northampton, MA, Edward Elgar Publishing, Inc., 2002).

"Good Technologies Gone Bad: Why and How the Cost Effectiveness of Various Medical Interventions Changes for Different Populations," *Medical Decision Making* 1997, 17(1):107 - 112, (CE Phelps)

"The Cost-Effectiveness of Magnetic Resonance Imaging in Patients with Equivocal Neurologic Symptoms," *International Journal of Technology Assessment in Health Care* 1997; 13(2):21 - 34 (AI Mushlin, C Mooney, BH Holloway, AS Detsky, DH Mattson, CE Phelps) [This article received the journal's award as the best article published in the journal in 1997.]

"Estimating Diagnostic Test Accuracy Using an Imperfect 'Gold Standard'" *Medical Decision Making*, January-March, 1995 15(1):38-43 (CE Phelps and A Hutson)

"Welfare Loss from Variations: Further Considerations," *Journal of Health Economics*, 1995; 14(2): 253 - 256. (CE Phelps)

"Cost Effectiveness of Screening for Hereditary Hemochromatosis," *Archives of Internal Medicine*, March, 1994, (PD Phatak, G Guzman, Woll JE, Robeson A, CE Phelps)

"The Value of Diagnostic Information to Patients with Suspected Multiple Sclerosis," *Archives of Neurology* 1994; 51(1):67 - 72 (AI Mushlin, C Mooney, V Grow and CE Phelps)

"Alternatives to Rationing," *Annual Rev Public Health*, 1994; 15:413 - 436 (CE Phelps).

"Cystic Fibrosis Carrier Screening: Knowledge and Attitudes of Prenatal Care Providers," *Am. J. of Preventive Medicine* 1993; 9(5): 261 - 66 (PT Rowley, S Loader, J Levenkron, CE Phelps)

"On the Methodological Foundations of Studies of the Appropriateness of Medical Care," *New England Journal of Medicine*, October 21, 1993, 329(17), 1241 - 1245 (CE Phelps). [Reprinted in NEJM special collection of articles on quality of care, 1997.]

"Accuracy of MRI for Diagnosis in Patients with Suspected Multiple Sclerosis," *JAMA* 1993; 269(24):3146 - 51 (AI Mushlin, A Detsky, CE Phelps, et al.)

"Effect of Prenatal and Infancy Nurse Home Visitation on Government Spending," *Medical Care*, 1993; 31(2): 155-174 (DL Olds, CR Henderson, CE Phelps, H Kitzman, C Hanks)

"Correction and Update on Priority Setting in Medical Technology Assessment in Medical Care," *Medical Care*, August, 1992, 31(8):744-751 (CE Phelps and C Mooney)

"Diffusion of Information in Medical Care," *Journal of Economic Perspectives*, Summer, 1992, 6(3): 23 - 42 (CE Phelps)

"Reassessment of Preoperative Laboratory Testing Has Changed The Test-Ordering Patterns of Physicians" *Surgery, Gynecology & Obstetrics* 1992;175: 539 - 547 (A Macario, MF Roizen, RA Thisted, S Kim, FK Orkin, and CE Phelps).

"The Association between Interdisciplinary Collaboration and Patient Outcomes in Medical Intensive Care," *Heart and Lung*, 1992, 21(1):18-24 (J Baggs, S Ryan, CE Phelps, et al.)

"Increasing the Scientific Quality of Clinical Efficacy Studies of MR Imaging," *Investigative Radiology*, Sept. 1991. 26: 829-835, (JR Thornbury, DK Kido, AI Mushlin, CE Phelps, et al.)

"On the (Near) Equivalence of Cost Effectiveness and Cost-Benefit Analysis," *International Journal of Technology Assessment in Health Care*, Winter, 1991; 7(1) :12-21 (CE Phelps and AI Mushlin).

"The Social Role of Not-for-Profit Organizations: Hospital Provision of Charity Care under the NY State Prospective Reimbursement Methodology" *Economic Inquiry*, July, 1991, 29: 472-484 (KE Thorpe and CE Phelps).

"Regulatory Intensity and Hospital Cost Growth", *Journal of Health Economics*, September, 1990, 9(2): 143-166 (KE Thorpe and CE Phelps).

"Priority Setting in Medical Technology and Medical Practice Assessment," *Medical Care*, August, 1990 29(8): 703-723, (CE Phelps and ST Parente).

"Targeting Assessments of Magnetic Resonance Imaging in Suspected Multiple Sclerosis," *Medical Decision Making*, April-June 1990, 10(2):77-94, (C Mooney, AI Mushlin and CE Phelps).

"A Welfare-Based Approach to Analyzing Markets and Mergers", *Journal of Health Economics*, February, 1990; 8(4):465-472 (CE Phelps)

"Control of Alcohol-Involved Driving through Impersonal Prevention," *Alcohol Health and Research World*, January, 1990; 14(1) (CE Phelps)

"Cryotherapy in Infants with Retinopathy of Prematurity: A Decision Model for Treating One or Both Eyes," *Journal of the American Medical Association* , March 9, 1989; 261:1751-1756 (DL Phelps and CE Phelps).

"Bug/Drug Resistance: Sometimes Less is More," *Medical Care*, Feb 1989 29(2) (CE Phelps)

"Focusing Medical Technology Assessment Using Medical Decision Theory", *Medical Decision Making*, October, 1988; 8(3): 279-289 (CE Phelps and AI Mushlin).

"Caffeine Intake and Breast Cancer: A Negative Correlation," *Cancer*, March 1, 1988 (HM Phelps and CE Phelps)

"Death and Taxes: An Opportunity for Substitution," *Journal of Health Economics*, March, 1988; 7(1):1-24 (CE Phelps)

"Risk and Perceived Risk of Drunk Driving Among Young Drivers," *Journal of Policy Analysis and Management*, Summer, 1987; 6(4). (CE Phelps)

"Price Elasticity and Adverse Selection in the Demand for Supplementary Health Insurance", *Economic Inquiry*. April, 1987; 25(2)(MS Marquis and CE Phelps)

"Induced Demand: Can We Ever Know Its Extent?" *Journal of Health Economics*, 1987; 5(3)(CE Phelps)

"Taxing Health Insurance: How Much Is Enough?" *Contemporary Policy Issues* (Winter, 1984-85) 3:2 (CE Phelps)

"Adoption and Diffusion of a New Imaging Technology: A Magnetic Resonance Imaging Prospective", *American Journal of Radiology*, October, 1984,143. (B Hillman, AP Williams, CE Phelps et al.)

"Some Interim Results from a Controlled Trial of Cost-Sharing in Health Insurance," *New England J Medicine* December 17, 1981; 305:25 (JP Newhouse, WG Manning, CN Morris, CE Phelps, et al.)

"On Having Your Cake and Eating It Too: Econometric Problems in Estimating the Demand for Health Services," *Journal of Econometrics*, August 1980, 13(3): 365-390 (JP Newhouse, CE Phelps and MS Marquis).

"The Demand for Dental Care," *Bell Journal of Economics*, Autumn, 1979; 10:2 (WG Manning and CE Phelps)

"Measurement Issues in the Second Generation of Social Experiments," *Journal of Econometrics* 1979; 11 (JP Newhouse, KH Marquis, CN Morris, CE Phelps and WH Rogers).

"Illness Prevention and Medical Insurance," *Journal of Human Resources*, Autumn, 1978 (Supplement) (CE Phelps)

"Copayments and Demand for Medical Care: The California Medicaid Experience," *Bell Journal of Economics* 9(1) Spring, 1978, 192-208.(LJ Helms, JP Newhouse and CE Phelps)

"The Subtle Impact of Price Controls on Crude Oil Production," *American Economic Review* May 1978; 68:2 (RT Smith and CE Phelps).

"Deductibles and the Demand for Medical Care Services: The Theory of a Consumer Facing a Variable Price Schedule Under Uncertainty," *Econometrica* April 1977, 45:3. (EB Keeler, JP Newhouse and CE Phelps).

"Policy Options and the Impact of National Health Insurance Revisited," *International Journal of Health Services*, Autumn 1976 (JP Newhouse, CE Phelps and WB Schwartz).

"National Health Insurance: Some Costs and Effects of Mandated Employee Coverage," *Journal of Political Economy*, June 1976, 84:3 (BM Mitchell and CE Phelps).

Tables for Calculation of Nominal Standard Dose for Complex Treatment Schedules," *Radiology* May 1974; 111:2 (HM Phelps and CE Phelps).

"Coinsurance, the Price of Time, and the Demand for Medical Services," *Review of Economics and Statistics*, August 1974; 56:3(CE Phelps and JP Newhouse)

"Policy Options and National Health Insurance," *New England Journal of Medicine* June 13, 1974; 290:24 (JP Newhouse, CE Phelps and WB Schwartz).

"Effects of Coinsurance: A Multivariate Analysis," *Social Security Bulletin*, June, 1972 (CE Phelps and JP Newhouse).

### 3. Invited Conferences, Refereed Monographs and Refereed Reports

"Variations in Medical Practice Use: Causes and Consequences," in *Competitive Approaches to Health Care Reform*, Richard J. Arnould, Robert F. Rich and William D. White, eds. Washington, DC: The Urban Institute Press, 1993 (CE Phelps and C Mooney).

"Cost Effectiveness of Using IV Gamma Globulin for Children with Kawasaki's Disease," *Conference Proceedings, 4th International Symposium on Kawasaki Disease*, American Heart Association, 1992 (B Rothenberg, CE Phelps, E Clark, K Powell)

*Setting Priorities for Health Technology Assessment: A Model Process*, MS Donaldson and HC Sox, editors, Institute of Medicine, Washington, DC: National Academy Press, 1992.

"Unresolved Risk Under Medicare", in MV Pauly, ed. *Proceedings of Univ. of Pennsylvania Conference on the Occasion of the 20th Anniversary of Medicare*, Univ. of Pennsylvania Press, 1988 (CE Phelps and AL Reisinger).

"Alcohol Taxes and Highway Safety," in *Preventing Automobile Injury: Proceedings of NEIPRC Conference on Highway Safety*, J Graham, ed., October, 1988, pp. 183-207 (CE Phelps)

"Medical Care Cost Containment: Lessons from the Non-Workers' Compensation Experience", in *Medical Cost Containment in Workers' Compensation*, in RB Victor, ed., Boston: Workers Compensation Research Institute, 1987 (CE Phelps)

"Cross Subsidies and Charge Shifting in American Hospitals," in *Uncompensated Hospital Care*, FA Sloan, et al., eds., Johns Hopkins Press, 1985 (CE Phelps).

*Health Care in the Military: Feasibility and Desirability of a Closed Enrollment System*. RAND Corporation, Report R-3145-HA, April 1984. (CE Phelps, S Hosek, J Buchanan, A Palmer, K Lohr, and C Witsberger.)

"Tax Policy, Health Insurance, and Health Care," in *Market Reforms in Health Care*, JA Meyer, ed. (American Enterprise Institute, Washington, D.C., 1983) (CE Phelps).

*Workers' Compensation and Workplace Safety: Some Lessons from Economic Theory.* RAND Corporation, R-2918-ICJ, 1982. (RB Victor, CE Phelps and LR Cohen)

*Health Care Costs--The Consequences of Increased Cost Sharing.* RAND Corporation, R-2970-RC, November 1982 (CE Phelps).

*Recent U.S. Price Controls: How Does Business Respond?* RAND Corporation, R-2885-DOE/RC, December 1981. (CE Phelps, FA Camm and PJE Stan).

"A Two-Part Model of the Demand for Medical Care: Preliminary Results from the Health Insurance Study," in *Health, Economics, and Health Economics*, J Van der Gaag and M Perlman (eds.), North Holland, Amsterdam, 1981. (WG Manning, JP Newhouse, N Duan, CE Phelps et al.)

*Resource Allocation under the COWPS Price Guideline: The Case of Fixed Proportions.* The RAND Corporation, R-2634-DOE, May 1981. (CE Phelps, FA Camm and PJE Stan).

"National Health Insurance by Regulation: Mandated Employee Benefits," in MV Pauly (ed.), *National health insurance: What Now, What Later, What Never?*, American Enterprise Institute for Public Policy Research, Washington, D.C., 1980 (CE Phelps)

*Efficient Water Use in California: Executive Summary.* RAND Corporation, R-2385-CSA/RF, November, 1978. (CE Phelps, NY Moore, A Lipson, D Jaquette, and MH Graubard)

*Efficient Water Use in California: Water Rights, Water Districts, and Water Transfers.* RAND Corporation, R2386-CSA/RF, November 1978 (CE Phelps, NY Moore, and MH Graubard).

*Petroleum Regulation: The False Dilemma of Decontrol.* RAND Corporation, R-1951-RC, January 1977. Reprinted in R Haveman and B Zellner, eds. *Policy Studies: A Review 1979*, Beverly Hills, Ca.: Sage Press, 1979 (CE Phelps and RT Smith)

"Benefit-Cost Analysis of Quality Assurance Programs," in P Gertman and R Egdahl, eds., *Quality Assurance in Health Care*, Aspen Systems Corporation, Maryland, 1976, (CE Phelps)

"New Estimates of Price and Income Elasticities of Medical Care Services," in RN Rosett, ed., *The Role of Health Insurance in the Health Services Sector*, The National Bureau of Economic Research, New York 1976. (JP Newhouse and CE Phelps)

"The Demand for Reimbursement Insurance," in RN Rosett, ed., *The Role of Health Insurance in the Health Services Sector*, The National Bureau of Economic Research, New York, 1976, (CE Phelps)

"Price and Income Elasticities for Medical Care," in M Perlman, ed., *Economics of Health and Medical Care*, MacMillan & Co., London, 1974, (JP Newhouse and CE Phelps)

*The Demand for Health Insurance: A Theoretical and Empirical Investigation.* RAND Corporation, R-1054-OEO, July 1973 (CE Phelps)



#### 4. Book Chapters and Other Reports

*Market Equilibria with Not-for-Profit Firms*, with I Sened, Rochester Center for Economic Research, Working Paper No. 119, July, 1989.

*Large Scale Tax Reform: The Example of Employer Paid Health Insurance Premiums*, University of Rochester Center for Economic Research Working Paper No. 37, revised, 4/86

*Issues Surrounding an Oil Import Premium*. RAND Corporation, P-6903, September 1983.

*Government and Health Policy*. RAND Corporation, P-6722, Feb. 1982.

"Public Sector Medicine: History and Analysis," in CM Lindsay ed., *New Directions in Public Health Care* ICS, San Francisco, 1980.

*Experience Rating in Medical Malpractice Insurance*. RAND Corp., May 1978.

*Insurance Benefits and Their Impact on Health Care Costs*. RAND, P-5844, April 1977.

"Effects of Insurance on Demand for Medical Care," in RA Andersen, ed., *Equity in Health Services: Empirical Analyses in Social Policy* (Ballinger Press, Cambridge, Massachusetts, 1975).

#### 5. Reviews and Comments

"Future costs and the future of cost-effectiveness analysis," *Journal of Health Economics*, 2008 (Alan Garber and Charles Phelps)

25 Years of Excellence: The Journal of Health Economics in Review, *Journal of Health Economics*, December, 2007.

"Comments on Chapters 2 and 3" *Measuring the Prices of Medical Treatments*, Jack E. Triplett, Editor, Washington, DC: Brookings Institution Press, 1999.

"Perspectives in Health Economics," *Health Economics*, Vol. 5 No. 5, October, 1995.

"Welfare Loss from Variations: Further Considerations," *Journal of Health Economics* Vol. 14, No. 2, June, 1995, pp. 253 - 260.

"An Apple a Day: A Futuristic Parable," *New England Journal of Medicine*, March 17, 1994; 330(11):797 - 799.

"Beyond Payment Reforms," Commentary on Conference papers, in *Physician Fees and Payment Reform*, H.E. Frech, III, ed. American Enterprise Institute, Washington, DC: 1991

"Cost, Quality and Access in Health Care, FA Sloan, JF Blumstein, JM Perrin, eds." (review) *New England Journal of Medicine*, May 19, 1989.

"Competition in the Health Care Sector: Ten Years Later, W Greenberg, ed." (review) *New England Journal of Medicine* May 19, 1989.

"The Health Economy, by VR Fuchs," *Regulation*, Autumn, 1986. (review)

"Discussants' Comments on Section II" (Health Care Policies in the United States), in *National Health Policy: What Role for Government?* Isaac Ehrlich, ed. (Hoover Institution Press, Stanford, CA, 1982).

"The Economics and Politics of Oil Price Regulation; Federal Policy in the Post-Embargo Era' by JP Kalt," *The Bell Journal of Economics* 13:1, Spring 1982 (book review).

"Comment on Hellinger's 'Substitutability Among Different Types of Care Under Medicare,'" *Health Services Research*, Spring 1978.

"Health Economics: A View from Dallas," *Health Services Research*, 1976.

## **6. Other Publications**

"Creating Efficient Eyepiece Sets," *Amateur Astronomy* No. 20, Winter, 1998, pp. 20 - 21.

"A General Strategy for Efficiently Selecting Eyepiece Sets," *Amateur Astronomy* No. 25, Spring, 2000, pp 57-61.

## **CONGRESSIONAL TESTIMONY**

Testimony before the Subcommittee on Public Health and Environment, US House of Representatives Committee on Interstate and Foreign Commerce, National Health Insurance — Implications, December 14, 1973.

Testimony before the Subcommittee on Telecommunications Trade, and Consumer Protection U.S. House of Representatives Committee on Commerce; H.R. 2281 The WIPO Copyright Treaties Implementation Act; June 6, 1998

Testimony before the Subcommittee on Intellectual Property, U.S. House of Representatives Committee on the Judiciary, Digital Database Anti-piracy Act, March 18, 1999.

Testimony before US Senate Judiciary Committee, July 26, 2005, on Patent Law Reform (on behalf of AAU, AAMC, ACE)

## **RESEARCH IN PROCESS**

"The Inter-related Markets for Medical Care and Health Insurance", working paper, University of Rochester Dept. of Economics

"Moral Hazard and Risk Spreading with Preventive Care," Working Paper, Dept. of Economics, University of Rochester .

Not for Profit Organizations: Purposes, Governance and Market Behavior (book)

### COURSES TAUGHT

Health Policy (ECO 236, PM 436), 1984 -- 2007  
 Public Policy Methods (PPA 430) -- Autumn semester, 1984 - 1986  
 Public Policy Modeling (PPA 433) -- Autumn 1985 - 88  
 Benefit Cost Analysis (PPA 460) -- Spring, 1987 - 89  
 Clinical Evaluative Sciences (PM 463, with AI Mushlin, R Kouaides) -- Autumn, 1989 - 2000)

### Doctoral Students

#### **RAND Graduate School** (3, 2 as Chair)

David Apgar (1981) Chair  
 Kenneth Thorpe (1983)  
 Jack Zwanziger (1987) Chair

#### **University of Rochester** (32, 18 as Chair)

Margaret Raymond, Political Science (1986)  
 Anne L. Reisinger, Political Science (1987), Chair  
 Judith Baggs, Nursing (1990)  
 Richard Kronick, Political Science (1990)  
 Nancy Perkins, MD, MPH, Political Science (1991), Chair  
 Teresa Panniers, Nursing (1991)  
 Vasiliki Koubi, Political Science (1991)  
 Guanqin Ma, Statistics (1991)  
 Carol McPhee, Political Science (1991), Chair  
 Gary Woller, Political Science (1992), Chair  
 Chia-En Wu, Economics (1992), Chair  
 Korinna Hansen, Economics (1992) Chair  
 Edward Gold, Economics (1992)  
 Yen-pin Chiang, Political Science (1992) Chair  
 Dana Mukamel, Economics (1993) Chair  
 Shihti Yu, Economics (1993)  
 Alan Hutson, Statistics (1996)  
 Stephanie An-Jen So, Economics (1996), Chair  
 Teng-yuan Hu, Economics (1996), Chair  
 Elizabeth Bayley, Economics (1999), Chair  
 Lesley Curtis, Health Services Research (1999), Chair  
 Lynne Jarrell, Political Science (2000), Chair  
 Ruben Hernandez-Murillo, Economics (2000)  
 Jill Lavigne, Health Services Research (2001), Chair  
 Heather Gold, Health Services Research (2002)  
 Hao Yu, Health Services Research (2004)  
 Shamim S Mondal, Economics (2006)  
 Hangsheng Liu, Health Services Research (2007), Chair  
 Irena Pezis-Katz, Health Services Research (2007), Chair  
 Adi Eldar-Lissai, Health Services Research (2010) Chair  
 Qian (Johnson) Feng, Health Services Research (2010)  
 Matthew Wojtesta, Health Services Research (expected, 2012) Co-Chair