# **BOSTON COLLEGE Department of Economics**

## EC854 Industrial Organization II

Frank Gollop McGuinn 519		Fall 1999
Office Hours:	Tuesday and Thursday 3:00-4:30	
<u>Texts</u> :	Waldman, Don E. and Elizabeth J. Jensen. <u>Industrial Organizand Practice</u> . Reading, MA: Addison-Wesley, 1998.	zation: Theory
	Kwoka, John E. and Lawrence J. White (eds). The Antitrust New York: Oxford University Press, 1999.	Revolution.
	Breit, William and Kenneth Elzinga. <u>The Antitrust Casebook</u> Chicago: Dryden Press, 1996.	(3rd edition).
	Copies of other required readings will be distributed in class.	
Grading:	First Midterm 20% Second Midterm 30% Final Exam 50%	
Module I:	Antitrust Economics	
I. Introduc	ction/Antitrust Law Overview	Sept 2
- Marke - Game - Traditi Price Price Non	oly and Dominant Firm Behavior et Concentration and Barriers to Entry Theory ional Marginal Analysis: e Leadership ing to Deter Entry -Price Strategies to Deter Entry ust Cases	Sept 7 Sept 7 Sept 9 Sept 9 Sept 14 Sept 14-21
<ul><li>Tradit</li><li>Game</li></ul>	ly: Interdependence and Non-Cooperative Games ional Marginal Analysis Theory ust Cases	Sept 23-28 Sept 28 Sept 30

Oct 5

FIRST MIDTERM (45 minutes)

IV.	Oligopoly: Collusion and Cooperative Games - Game Theory - Methods of Achieving a Collusive Outcome - Antitrust Cases	Oct 5-7 Oct 12 Oct 12-19
V.	Mergers	Oct 21
VI.	Price Discrimination	Oct 26
VII.	Predatory Pricing	Oct 26-28
VIII.	Vertical Restrains  - Vertical Integration  - Tying and Exclusive Dealing Theory Antitrust Cases  - Territorial and Customer Restrictions and RPM Theory Antitrust Cases	Nov 2 Nov 2 Nov 4 Nov 9 Nov 11
SEC	OND MIDTERM	
Mod	ule II: Regulatory Economics	
IX.	Introduction/Rate-of-Return Regulation	Nov 16
Χ.	Natural Monopoly/Cross Subsidies	Nov 18
XI.	Peak-Load Pricing/Price Cap Regulation	Nov 23
XII.	Franchise Bidding	Nov 30
XIII. Deregulating Natural Monopoly		
XIV	. Environmental Regulation	Dec 7

#### **SYLLABUS**

#### Module I: Antitrust Economics

#### I. Introduction/Antitrust Law Overview

Waldman and Jensen, Chapter 18 (pp. 465-70).

Breit and Elzinga, pp. 1-8.

Kwoka and White, pp. 1-13.

Mueller, D.C., "Lessons from the United States's Antitrust History," <u>International</u> <u>Journal of Industrial Organization</u>, 14 (June 1996), pp. 415-28 and 435-39.

\*Barnes, David W., "Antitrust, the Rule of Reason, and Democracy," <u>Review of Industrial Organization</u> (March 1999), pp. 115-22.

\*Cutler, D.M. and L.H. Summers, "The Costs of Conflict Resolution and Financial Distress: Evidence from the Texaco-Pennzoil Litigation, "Rand Journal, 19 (Summer 1988), pp. 157-72.

## II. Monopoly and Dominant Firm Behavior

Market Concentration and Barriers to Entry:

Waldman and Jensen, Chapters 4 (pp. 76-88) and 5 (pp. 98-102, 108-17, and 122-28).

\*Evans, William and Ioannis Kessides, "Localized Market Power in the U.S. Airline Industry, <u>Review of Economics and Statistics</u>, 75 (February 1993), pp. 66-75.

## Game Theory:

Waldman and Jensen, Chapter 6 (pp. 135-38 and 144-46).

## **Traditional Marginal Analysis:**

Price Leadership

Waldman and Jensen, Chapter 7 (pp. 169-75).

## Pricing to Deter Entry:

Waldman and Jensen, Chapter 10 (pp. 232-42).

## Non-Price Strategies to Deter Entry:

Waldman and Jensen, Chapter 11 (pp. 261-67 and 273-80).

Salop, Steven and David Scheffman, "Raising Rivals' Costs," <u>AEA Papers and Proceedings</u>, 73 (May 1983), pp. 267-71.

Granitz, Elizabeth and Benjamin Klein, "Monopolization by 'Raising Rivals' Costs:' The Standard Oil Case," <u>Journal of Law and Economics</u>, 39 (April 1996), pp. 1-47.

"Too Many Cereals for the FTC," <u>Business Week</u>, March 20, 1978.

\*Schmalensee, R., "Entry Deterrence in the Ready-to-Eat Breakfast Cereal Industry," <u>Bell Journal</u>, 9 (Autumn, 1978), pp. 305-327.

<sup>\*</sup>Supplementary reading. Recommended but not required.

\*Masten, Scott and Edward Snyder, "U.S. versus United Shoe Machinery Corp.: On the Merits," <u>Journal of Law and Economics</u>, 36 (April 1993), pp. 33-70.

\*Reiffen, David and Andrew Kleit, "Terminal Railroad Revisited: Foreclosure of an Essential Facility or Simple Horizontal Monopoly," <u>Journal of Law and Economics</u>, 33 (October 1990), pp. 419-38.

\*Perry, Martin, "Forward Integration by Alcoa: 1888-1930," <u>Journal of Industrial Economics</u>, 29 (September 1980), pp. 37-53.

\*Spence, A.M., "Entry, Capacity, Investment, and Oligopolistic Pricing," <u>Bell Journal</u>, 8 (Autumn 1977), pp. 534-44.

#### **Antitrust Cases:**

Waldman and Jensen, Chapters 10 (pp. 242-44) and 18 (pp. 470-78). Breit and Elzinga, pp. 120-32, 173-214, 277-79 and 283-91.

\*Rosenbaum, David and Meng-Hua Ye, "Attempts to Monopolize and the Determination of Specific Intent," <u>Quarterly Review of Economics and Finance</u>, 32 (Spring 1992), pp. 50-70.

\*Kahai, Simran, David Kaserman, and John Mayo, "Is the 'Dominant Firm' Dominant? An Empirical Analysis of AT&T's Market Power," <u>Journal of Law and Economics</u>, 39 (October 1996), pp. 499-517.

## III. Oligopoly: Interdependence and Non-Cooperative Games

## **Traditional Marginal Analysis:**

Waldman and Jensen, Chapter 7 (pp. 149-69).

Baumol, W.J., "Contestable Markets: An Uprising in the Theory of Industry Structure," <u>American Economic Review</u>, 72 (March 1982), pp. 1-15.

## Game Theory:

Waldman and Jensen, Chapter 6 (pp. 139-44).

#### Antitrust Cases

Breit and Elzinga, pp. 78-84, 280-82, and 297-304.

## IV. Oligopoly: Collusion and Cooperative Games

## Game Theory:

Waldman and Jensen, Chapter 8.

#### Methods of Achieving a Collusive Outcome:

Waldman and Jensen, Chapter 9.

\*Kirby, Alison, J., "Trade Associations as Information Exchange Mechanisms," Rand Journal, 19 (Spring 1988), pp. 138-46.

\*Bernheim, B.D. and M.D. Whinston, "Common Marketing Agency as a Device for Facilitating Collusion," <u>Rand Journal</u>, 16 (Summer 1985), pp. 269-81.

#### **Antitrust Cases:**

Waldman and Jensen, Chapters 19 (pp. 482-96) and 22 (pp. 561-62).

Breit and Elzinga, pp.46-59.

Kwoka and White, pp. 182-219, 264-85, and 310-26.

\*Breit and Elzinga, pp. 14-45.

\*Cyrenne, Philippe, "On Antitrust Enforcement and the Deterrence of Collusive Behavior," <u>Review of Industrial Organization</u> (May 1999), pp. 257-72.

## V. Mergers

Waldman and Jensen, Chapter 20. Breit and Elzinga, pp. 411-36.

## Horizontal Mergers:

Breit and Elzinga, pp. 133-49. Kwoka and White, pp. 116-64.

\*Praeger, Robin, "The Effects of Horizontal Mergers on Competition: The Case of the Northern Securities Company, Rand Journal of Economics, 23, (Spring 1992), pp. 123-33.

\*Gilbert, Richard, "The Role of Potential Competition in Industrial Organization," <u>Journal of Economic Perspectives</u>, 3 (Summer 1989), pp. 107-27.

## Vertical Mergers:

\*Breit and Elzinga, pp. 215-16 and 227-32.

\*Robinson, J., "Administered Pricing and Vertical Integration in the Hospital Industry," <u>Journal of Law and Economics</u>, 39 (April 1996), pp. 357-78.

\*Blair, R.D. and Kaserman, D.L., "Vertical Integration, Tying, and Antitrust Policy," <u>American Economic Review</u>, 68 (June1978), pp. 397-402.

\*Ohta, H., and Greenhut, M., "Vertical Integration of Successive Oligopolies," <u>American Economic Review</u>, 69 (March 1979), pp. 137-141.

## Conglomerate Mergers:

\*Matsusaka, John, "Takeover Motives During the Conglomerate Merger Wave," Rand Journal of Economics, 24 (Autumn 1993), pp. 357-79.

\*Turner, D.F., "Conglomerate Mergers and Section 7 of the Act," <u>Harvard Law Review</u> (May 1965), pp. 1313-1395.

\*Gollop, Frank and James Monahan, "A Generalized Index of Diversification: Trends in U.S. Manufacturing," <u>Review of Economics and Statistics</u>, 73 (May 1991), pp. 318-30.

\*Markham, J.W., Conglomerate Enterprise and Public Policy, 1973.

#### VI. Price Discrimination

Waldman and Jensen, Chapters 15 and 21.

\*Breit and Elzinga, pp. 222-26 and 318-54.

\*Borenstein, S., "Price Discrimination in Free-Entry Markets," <u>Rand Journal</u>, 16 (Autumn 1985), pp. 380-97.

\*Edwards, C.D., <u>The Price Discrimination Law</u>. Brookings, 1959, Chapters 19 and 20.

## VII. Predatory Pricing

Waldman and Jensen, Chapter 10 (pp. 245-52).

Baumol, William, "Predation and the Logic of the Average Variable Cost Test," <u>Journal of Law and Economics</u>, 39 (April 1996), pp. 49-72.

Kwoka and White, pp. 220-63 and 286-309.

\*Areeda, P. and Turner, D., "Predatory Pricing and Related Practices Under Section 2 of the Sherman Act," <u>Harvard Law Review</u>, 88 (February 1975), pp. 697-733.

\*Anderson, Rod W. and Ronald N. Johnson, "Antitrust and Sales-Below-Cost Laws: The Case of Retail Gasoline," <u>Review of Industrial Organization</u>, (May 1999), pp.189-204.

\*Ordover, J. and Willig, R., "An Economic Definition of Predation: Pricing and Product Innovation," <u>Yale Law Journal</u>, 91 (November 1981), pp. 8-53.

\*Burns, M., "Predatory Pricing and the Acquisition Cost of Competitors," <u>Journal of Political Economy</u>, 94 (April 1986), pp. 266-96.

#### VIII. Vertical Restrains

## Vertical Integration:

Waldman and Jensen, Chapter 16.

Breit and Elzinga, pp. 215-22.

Rey, Patrick and Jean Tirole, "The Logic of Vertical Restraints," <u>American Economic Review</u>, 76 (December 1986), pp. 921-39.

## Tying and Exclusive Dealing:

## Theory:

Waldman and Jensen, Chapter 22 (pp. 548-54).

\*Pittman, Russell, "Tying Without Exclusive Dealing," DOJ Economic Policy Office Discussion Paper (September 1984).

#### **Antitrust Cases:**

Kwoka and White, pp. 342-63 and 409-29.

\*Breit and Elzinga, pp. 233-55.

## Territorial and Customer Restrictions and RPM:

#### Theory:

Waldman and Jensen, Chapter 22 (pp. 554-61).

Stewart, David and Scott Nelson, "Upholding Vertical Restraints, <u>ABA Journal</u> (July 1, 1988), pp. 36-43. [Will be distributed in class.]

Ippolito, Pauline and Thomas Overstreet, "RPM: An Economic Assessment of the FTC's Case against the Corning Glass Works," <u>Journal of Law and Economics</u>, 39 (April 1996), pp. 285-328.

\*Mueller, Willard, and Frederick Geithman, "An Empirical Test of the Free Rider and Market Power Hypotheses," <u>Review of Economics and Statistics</u>, 73 (May 1991), pp. 301-08.

\*Ippolito, Pauline, "Resale Price Maintenance: Empirical Evidence from Litigation," <u>Journal of Law and Economics</u>, 34 (October 1991), pp. 263-94.

\*Ornstein, Stanley and Dominique Hanssens, "Resale Price Maintenance: Output Increasing or Restricting? The Case of Distilled Spirits in the United States," <u>Journal of Industrial Economics</u>, 36 (Sept. 1987),pp. 1-18.

\*Sass, T. and D. Saurman, "Mandated Exclusive Territories and Economic Efficiency: An Empirical Analysis of the Malt-Beverage Industry," <u>Journal of Law and Economics</u>, 36 (April 1993), pp. 153-74.

#### **Antitrust Cases:**

Kwoka and White, pp. 364-85.

\*Breit and Elzinga, pp. 359-61 and 372-82.

## Module II: Regulatory Economics

## IX. Introduction/Rate-of-Return Regulation

#### Introduction:

Viscusi, W. Kip, "Economic Foundations of the Current Regulatory Reform Efforts," <u>Journal of Economic Perspectives</u>, 10 (3), (Summer 1996), pp. 119-34.

\*Ellig, Jenny, "Why Do Regulators Regulate? The Case of the Southern California Gas Market," <u>Journal of Regulatory Economics</u>, 7 (3), (May 1995), pp. 293-308.

\*Stigler, George, "The Theory of Economic Regulation," <u>Bell Journal of Economics</u>, II (Spring 1971), pp. 3-21.

\*Peltzman, Sam, "Toward a More General Theory of Regulation," <u>Journal of Law and Economics</u>, XIX (August 1976), pp. 211-40.

## Rate-of-Return Regulation:

Viscusi, Vernon, and Harrington, Chapter 12, pp. 355-69.

\*Averch, H. and L. Johnson. "Behavior of the Firm Under Regulatory Constraint," <u>American Economic Review</u> (December 1962).

\*Oum, Tae Hoon and Yimin Zhang, "Competition and Allocative Efficiency: The Case of the U.S. Telephone Industry," <u>Review of Economics and Statistics</u>, 77 (1), (February 1995), pp. 82-96.

\*Peles, Yoram and Greg Whittred, "Incentive Effects of Rate-of-Return Regulation: The Case of Hong Kong Electric Utilities," <u>Journal of Regulatory Economics</u>, 10 (1) (July 1996), pp. 99-112.

\*Gollop, Frank and Stephen Karlson, "The Impact of the Fuel Adjustment Mechanism on Economic Efficiency," Review of Economics and Statistics, 60 (November 1978), pp. 574-75, 583-84.

\*Gollop, F.M., and Karlson, S.H., "The Electric Power Industry: An Econometric Model of Intertemporal Behavior," <u>Land Economics</u>, 56 (August 1980).

## X. Natural Monopoly

## Subadditivity and Sustainability:

Viscusi, Vernon, and Harrington, Chapter 11, pp. 330-45

Baumol, W.J., "On the Proper Cost Tests for Natural Monopoly in a Multiproduct Industry," <u>American Economic Review</u>, 67 (December 1977), pp. 809-822.

\*Baumol, W.J., "Scale Economies, Average Cost, and the Profitability of Marginal Cost Pricing," in <u>Public and Urban Economics</u>, Ronald E. Grieson (ed.), Lexington, MA: Lexington Books, 1976, Chapter 4, 43-57.

\*Panzar, J.C., and Willig, R.D., "Free Entry and the Sustainability of Natural Monopoly," <u>Bell Journal</u> 8 (Spring 1977), 1-22.

\*Sharkey, W.W., "Existence of Sustainable Prices for Natural Monopoly Outputs," Bell Journal, 12 (Spring 1981), 144-54.

\*Prieger, James, "Ramsey Pricing and Competition: The Consequence of Myopic Regulation," <u>Journal of Regulatory Economics</u>, 10 (3), (November 1996), pp. 307-22.

## **Cross Subsidies:**

Viscusi, Vernon, and Harrington, Chapter 12, pp. 370-72.

Palmer, Karen, "A Test for Cross Subsidies in Local Telephone Rates: Do Business Customers Subsidize Residential Customers?" Rand Journal, XXIII (Autumn 1992), pp. 415-31.

\*Faulhaber, Gerald R., "Cross Subsidization: Pricing in Public Enterprises," American Economic Review, LXV (December 1975), pp. 966-77.

\*Kaserman, David and John Mayo, "An Efficient Avoided Cost Pricing Rule for Resale of Local Exchange Telecommunications Service," <u>Journal of Regulatory Economics</u>, 11 (1), (January 1997), pp. 91-107.

\*Brennan, Timothy, "Cross Subsidy and Cost Misallocation by Regulated Monopolists," <u>Journal of Regulatory Economics</u>, 2 (1), (March 1990), pp. 37-52.

\*Kaserman, D., John Mayo, and Joseph Flynn, "Cross Subsidy in Telecommunications" Beyond the Universal Service Fairy Tale," <u>Journal of Regulatory Economics</u>, 2 (3), (September 1990), pp. 31-50.

\*Lenard, Thomas, Monimca Bettendorf, and Stephen McGonegal, "Stand-Alone Costs, Ramsey Prices, and Postal Rates," <u>Journal of Regulatory Economics</u>, 4 (3), (September 1992), pp. 243-62.

## XI. Peak-Load Pricing/Price Cap Regulation

## Peak-Load Pricing:

Viscusi, Vernon, and Harrington, Chapter 12, pp. 372-78.

Crew, Michael, Chitru Fernando, and Paul Kleindorfer, "The Theory of Peak Load Pricing" A Survey," <u>Journal of Regulatory Economics</u>, 8 (3), (November 1995), pp. 215-48.

\*Burness, Stuart and Robert Patrick, "Peak-Load Pricing with Continuous and Interdependent Demand," <u>Journal of Regulatory Economics</u>, 3 (1), (March 91), pp. 69-88.

\*Costello, Kenneth, "Revenue Caps or Price Caps? Robust Competition Later Means Healthy Choices Now," <u>Public Utilities Fortnightly</u>, 134 (9), (May 1, 1996), pp. 28-34.

\*Ros, Agustin and Jerry Harvill, "Incentive Ratemaking in Illinois: The Transition to Competitive Markets," <u>Public Utilities Fortnightly</u>, 133 (14), (July 15, 1995), pp. 22-25.

\*Lyon, Thomas, "A Model of Sliding Scale Regulation," <u>Journal of Regulatory</u> <u>Economics</u>, 9 (3), (May 1996), pp. 227-47.

\*Caves, Douglas and Laurits Christensen, "Time-of-Use Rates for Residential Electric Service: Results from the Wisconsin Experiment," <u>Public Utilities Fortnightly</u>, (March 17, 1983), pp. 30-35.

#### Price-Cap Regulation:

Laffont, Jean-Jacques and Jean Tirole, "Creating Competition Through Interconnection" Theory and Practice," <u>Journal of Regulatory Economics</u>, 10 (3), (November 1996), pp. 227-56.

Crew, Michael and Paul Kleindorfer, "Incentive Regulation in the U.K. and the U.S.: Some Lessons," <u>Journal of Regulatory Economics</u>, 9 (3), (May 1996), pp. 211-25.

\*Liston, Catherine, "Price Cap Versus Rate of Return Regulation," <u>Journal of Regulatory Economics</u>, 5 (1), (March 1993), pp. 25-48.

\*Neu, Werner, "Allocation Inefficiency Properties of Price-Cap Regulation," <u>Journal of Regulatory Economics</u>, 5 (2), (June 1993), pp. 159-82.

\*Laube, Robert, "Price-Cap Regulation: Problems and Solutions," <u>Land Economics</u>, 71 (3), (August 1995), pp. 286-98.

\*Isaac, R. Mark, "Price Cap Regulation: A Case Study of Some Pitfalls of Implementation," <u>Journal of Regulatory Economics</u>, 3 (2), (June 1991), pp. 193-210.

\*Neri, John and Keith Bernard, "Price Caps and Rate of Return: The British Experience," <u>Public Utilities Fortnightly</u>, 132 (17), (September 15, 1994), pp. 34-36.

## XII. Franchise Bidding

Viscusi, Vernon, and Harrington, Chapter 13.

Otsuka, Yasuji, "A Welfare Analysis of Local Franchise and Other Types of Regulation: Evidence from the Cable TV Industry," <u>Journal of Regulatory Economics</u>, 11 (2), (March 1997), pp. 157-80.

McAfee, R. Preston and John McMillan, "Analyzing the Airwaves Auction," <u>Journal of Economic Perspectives</u>, 10 (1), (Winter 1996), pp. 159-75.x

\*Riordan, Michael H. and David E.M. Sappington, "Awarding Monopoly Franchises," American Economic Review, 77 (June 1987), pp. 375-87.

\*Praeger, Robin, "Franchise Bidding for Natural Monopolies: The Case of Cable Television in Massachusetts," <u>Journal of Regulatory Economics</u>, 1 (2), (June 1989), pp. 115-32.

\*Williamson, Oliver E., "Franchise Bidding for Natural Monopolies--in General and with respect to CATV," <u>Bell Journal</u>, 7 (Spring 1976), pp. 73-104.

\*Riordan, Michael H., "On Delegating Price Authority to a Regulated Firm," Rand Journal, 15 (Spring 1984), pp. 108-115.

\*Laffont, Jean-Jacques and Jean Tirole, "Using Cost Observations to Regulate Firms," <u>Journal of Political Economy</u>, 94 (June 1986), pp. 614-41.

\*McAfee, R. Preston, and John McMillan, "Auctions and Bidding," <u>Journal of Economic Literature</u>, 25 (June 1987), pp. 699-754.

## XIII. Deregulating Natural Monopoly

Viscusi, Vernon, and Harrington, Chapter 15, pp. 443-72.

Chao, Hung-Po and Stephen Peck, "A Market Mechanism for Electric Power Transmission," <u>Journal of Regulatory Economics</u>, 10 (1), (July 1996), pp. 25-60.

Joskow, Paul L., "Restructuring, Competition and Regulatory Reform in the U.S. Electricity Sector," <u>Journal of Economic Perspectives</u>, 11 (Summer 1997), pp. 119-38.

\*Crandall, Robert W., "Relaxing the Regulatory Stanglehold on Communications," Regulation (Summer 1992), pp. 26-35.

\*Kahn, Alfred E., "The Road to More Intelligent Telephone Pricing," <u>Yale Journal on Regulation</u>, No. 2 (1984), 139-157.

## XIV. Environmental Regulation

Johnson, Scott Lee and David Pekelney, "Regional Clean Air Incentives Market," <u>Land Economics</u>, 72 (3), (August 1996), pp. 277-97.

Feeny, David, Susan Lanna and Arthur McEvoy, "Questioning the 'Tragedy of the Commons' Model of Fisheries," <u>Land Economics</u>, 72 (2), (May 1996), pp. 187-205.

- \*Henderson, J. Vernon, "Effects of Air Quality Regulation," American Economic Review, 86 (4), (September 1996), pp. 789-813.
- \*Portney, Paul R., "The Contingent Valuation Debate: Why Economists Should Care," The Journal of Economic Perspectives (Fall 1994), pp. 3-17.
- \*Arora, Seema and Timothy Cason, "Why Do Firms Volunteer to Exceed Environmental Regulations?" <u>Land Economics</u>, 72 (4), (November 1996), pp. 413-32.
- \*Pratt, John and Richard Zeckhauser, "Willingness to Pay and the Distribution of Risk and Wealth," Journal of Political Economy, 104 (4), (August 1996), pp.
- \*Gollop, F., and M. Roberts, "Cost-Minimizing Regulation of Sulfur Emissions: Regional Gains in Electric Power," 67, Review of Economics and Statistics, (February 1985), pp. 81-90.
- \*Gollop, F., K. Chaston, and K. Lang, "The Battle Against Major Air Pollutants: Some Wartime Statistics," Boston College Working Paper.
- \*Cronshaw, Mark and Hamie Druse, "Regulated Firms in Pollution Permit Markets with Banking," Journal of Regulatory Economics, 9 (2), (March 1996), pp. 179-90.
- \*Noll, Roger, "Implementing Marketable Emissions Permits," American Economic Review (May 1982), pp. 120-24.
- \*Land Economics has numerous articles on benefit measurement techniques including hedonic pricing, averting expenses, and contingent valuation.
- \*Niewijk, Robert, "Misleading Quantification: The Contingent Valuation of Environmental Quality," <u>Regulation</u>, No. 1 (1994), pp. 60-71. \*Hanemann, W. Michael, "Valuing the Environment through Contingent
- Valuation," The Journal of Economic Perspectives (Fall 1994), pp. 19-43.
- \*Diamond, Peter and Jerry Hausman, "Contingent Valuation: Is Some Number Better than No Number?" The Journal of Economic Perspectives (Fall 1994), pp. 45-64.