

DIETRICH HARLAN EARNHART

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University of Kansas
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Citizenship: USA

EDUCATION:

Ph.D., University of Wisconsin - Madison, 1995

Dissertation title: **Enforcement of Environmental Protection Laws in Centrally Planned and Transitional Economies**

Major Professor: Martin H. David

Reading Committee: James Andreoni, Daniel W. Bromley

M.S., University of Wisconsin - Madison, 1991

B.A., Yale University, 1987: Summa cum laude, Phi Beta Kappa (1986), Distinction in Major

MAJOR FIELDS OF INTEREST:

Environmental Economics, Law and Economics, Comparative Economics

Additional Teaching Fields: Resource Economics, Environmental Policy Analysis

CURRENT POSITION:

Full Professor, University of Kansas

(Assistant Professor, 1997-2002; Associate Professor, 2002-2009)

- Teaching Responsibilities:

Environmental Economics, Principles of Microeconomics and Macroeconomics,
Resource Economics, Comparative Economics, Law and Economics

- Student Advising and Honors Research Guidance

- Appointment in Interdisciplinary Programs:

Environmental Studies; Russian, East European, and Eurasian Studies;
Latin American Studies; Global and International Studies

Director, Center for Environmental Policy, Institute for Policy and Social Research,
University of Kansas

ADDITIONAL RESEARCH POSITIONS:

Research Fellow, William Davidson Institute (at University of Michigan), 1999 - present

Research Affiliate, Centre for Economic Policy Research, 1999 - 2003

Visiting Scholar, Center for Economic Research and Graduate Education (CERGE), Charles
University, Prague, Czech Republic, May 1999, May 2000

ADDITIONAL TEACHING APPOINTMENTS:

Visiting Scholar, Prague School of Economics, November 1998
Assistant Professor, Fairfield University, Fall 1995 - Spring 1997
Lecturer, Intermediate Macroeconomics at the University of Wisconsin - Madison, Summer 1995
Lecturer, Environmental Economics at the Center for Economic Research and Graduate Education (CERGE), Charles University, Prague, Czech Republic, Spring 1993
Teaching Assistant, Intermediate Microeconomics, Spring 1992

TEACHING AWARDS:

Byron Shutz Award for Excellence in Teaching,
(a university-wide teaching award of \$ 4,000), awarded March 2006
Center for Teaching Excellence Faculty Fellow, awarded Spring 2001
Excellence in Teaching for the Economics Department, awarded April 1998

RESEARCH AWARDS:

National Science Foundation (NSF), "Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation," awarded \$ 20,000,000; "Impacts" Team Leader; August 2009
Environmental Protection Agency (EPA), STAR Grant, "Shaping Corporate Environmental Behavior and Performance: The Impact of Enforcement and Non-Enforcement Tools," awarded \$ 341,234, serve as Principal Investigator, with co-principal investigators Donald Haider-Markel, Robert Glicksman, Tatsui Ebihara; December 2000
National Research Council, Collaboration in Basic Science and Engineering (COBASE) grant, "Effects of Ownership on Environmentally-Related Corporate Performance," awarded \$ 2,500; November 1999
University of Kansas, College of Liberal Arts and Sciences, Research Travel, awarded \$ 8,000; Spring 2005
Center for Entrepreneurial Activity, University of Kansas, Research Award Award, awarded \$ 2,000; Spring 2005
University of Kansas, Office of International Programs, International Travel Fund Award, awarded \$ 800; Fall 2005
University of Kansas, College of Liberal Arts and Sciences, International Travel Award, awarded \$ 2,200; Fall 2005
University of Kansas, College of Liberal Arts and Sciences, Social Sciences General Research Fund, awarded \$ 7,000; March 2004
University of Kansas, College of Liberal Arts and Sciences, Social Sciences General Research Fund, awarded \$ 7,000; March 2002
University of Kansas, College of Liberal Arts and Sciences, Social Sciences General Research Fund, awarded \$ 7,000; March 2000
University of Kansas, Research Development Fund, awarded \$ 38,793, with Val Smith, Len Ferrington, Frank deNoyelles, David Graham, Cindy Larive; December 1999
University of Kansas, Grant Development Fellow, awarded \$ 2,000; June 1998
University of Kansas, New Faculty General Research Fund, awarded \$ 5,000; June 1998

University of Kansas, International Research Travel Fund, awarded \$ 1,200; April 1998
Fairfield University, Spring Research Grant, awarded \$ 965; December 1996
Fairfield University, Summer Research Stipend, awarded \$ 2,500; March 1996
Mellon Fellowship, David Granick Memorial Fellowship, 1991-92 and 1992-93
Title VI Foreign Language and Area Studies Fellowship, 1991-92
Wisconsin Alumni Research Fund Fellowship, 1989-90

PUBLICATIONS:

- “Effect of Corporate Economic Performance on Firm-Level Environmental Performance in a Transition Economy,” *Environmental and Resource Economics*, forthcoming (with Lubomir Lizal).
- “The Effect of Clean Water Regulation on Profitability: Testing the Porter Hypothesis,” *Land Economics*, v. 86, n. 2 (May), pg. 329-344, 2010 (with Dylan Rassier).
- “Does the Porter Hypothesis Explain Expected Future Financial Performance? The Effect of Clean Water Regulation on Chemical Manufacturing Firms,” *Environmental and Resource Economics*, August 2009 (with Dylan Rassier).
- “The Influence of Facility Characteristics and Permit Conditions on the Effects of Environmental Regulatory Deterrence,” *Journal of Regulatory Economics*, v. 36, pg. 247-273, 2009.
- “Effects of Permitted Effluent Limits on Compliance Levels,” *Ecological Economics*, v. 61, n. 1, pg. 178-193, 2007.
- “Effectiveness of Government Interventions at Inducing Better Environmental Performance: Does Effectiveness Depend on Facility or Firm Features?”, *Boston College Environmental Affairs Law Review*, v. 35, n. 3, pg. 479-511, 2008 (with Robert Glicksman).
- “Direct and Indirect Effects of Ownership on Firm-Level Environmental Performance,” *Eastern European Economics*, v. 45, n. 4 (July-Aug), pg. 66-87, 2007 (with Lubomir Lizal).
- “Pollution Reductions in the Czech Republic,” *Post-Communist Economies*, v. 20, n. 2 (June), pg. 231-252, 2008 (with Lubomir Lizal).
- “Effect of Pollution Control on Corporate Financial Performance in a Transition Economy,” *European Environment: The Journal of European Environmental Policy*, v. 17, pg. 247-266, 2007 (with Lubomir Lizal).
- “Using Contingent Pricing Analysis to Value Open Space and its Duration at Residential Locations,” *Land Economics*, v. 82, n. 1, pg. 17-35, 2006.
- “Effects of Ownership and Financial Performance on Corporate Environmental Performance,” *Journal of Comparative Economics*, v. 34, n. 1, pg. 111-129, 2006 (with Lubomir Lizal).
- “Pollution, Production, and Sectoral Differences in a Transition Economy,” *Comparative Economic Studies*, v. 48, pg. 662-681, 2006 (with Lubomir Lizal).
- “The Comparative Effectiveness of Government Interventions on Environmental Performance in the Chemical Industry,” *Stanford Environmental Law Journal*, v. 26, n. 2, pg. 317-371, 2007 (with Robert Glicksman).
- “Depiction of the Regulator-Regulated Entity Relationship in the Chemical Industry: Deterrence-Based v. Cooperative Enforcement,” *William & Mary Environmental Law & Policy Review*, v. 31, n. 3 (Spring), pg. 603-660, 2007 (with Robert Glicksman).
- “The Regulator-Regulated Entity Relationship,” in *Proceedings of the 4th IUCN Academy of*

- Environmental Law Colloquium: Toward More Effective Implementation of Environmental Law, Enforcement and Compliance*, Pace University School of Law, White Plains, NY (October, 2006) [with Robert Glicksman].
- "Regulatory Factors Shaping Environmental Performance at Publicly-Owned Treatment Plants," *Journal of Environmental Economics and Management*, v. 48, n. 1, pg. 655-681, 2004.
- "Panel Data Analysis of Regulatory Factors Shaping Environmental Performance," *Review of Economics and Statistics*, v. 86, n. 1, pg. 391-401, 2004.
- "Liability for Past Environmental Contamination and Privatization," *Environmental and Resource Economics*, v. 29, n. 1, pg. 97-122, 2004.
- "The Effects of Community Characteristics on Polluter Compliance Levels," *Land Economics*, v. 80, n. 3, pg. 408-432, 2004.
- "Time is Money: Improved Valuation of Time and Transportation Costs," *Environmental and Resource Economics*, v. 29, n. 2, pg. 159-190, 2004.
- "The Countervailing Effects of Atrazine on Water Recreation: How Do Recreators Evaluate Them?" *Water Resources Research*, v. 39, pg. 1081-1092, 2003 (with Val Smith).
- "Do Travel Cost Models Value Transportation Properly?" *Transportation Research Part D: Transport and Environment*, v. 8, pg. 397-414, 2003.
- "Combining Revealed and Stated Data to Examine Housing Decisions using Discrete Choice Analysis," *Journal of Urban Economics*, v. 51, pg. 143-169, 2002.
- "Combining Revealed and Stated Preference Methods to Value the Presence and Quality of Environmental Amenities," *Land Economics*, v. 77, n. 1, pg. 12-29, 2001.
- "Environmental Protection Efforts under Communism and Democracy: Public Involvement and Political Influence," *Comparative Economic Studies*, v. 43, n. 2, pg. 35-58, 2001.
- "Optimal Mix of Penalties in a Principal-Agent Model under Different Institutional Arrangements," *Review of Economics and Statistics*, v. 82, n. 4, pg. 634-645, 2000.
- "Environmental Crime and Punishment in the Czech Republic: Penalties Against Firms and Employees," *Journal of Comparative Economics*, v. 28, pg. 379-399, 2000.
- "Environmental 'Citizen Suits' in the Czech Republic," *European Journal of Law and Economics*, v. 10, n. 1, pg. 43-68, 2000.
- "Multiple Penalty Mechanisms in a Principal-Agent Model Under Different Institutional Arrangements," *Journal of Comparative Economics*, v. 27, pg. 168-189, 1999.
- "Civil Litigation, Access to Government-Held Information, and Coordination of Public and Private Enforcement in the Czech Republic," *European Journal of Law and Economics*, v. 6, n. 3, pg. 113-141, 1998.
- "Enforcement of Environmental Protection Laws under Communism and Democracy," *Journal of Law and Economics*, v. 40, n. 2, pg. 377-402, 1997.
- "Optimal Use of Information in Litigation: Should Regulatory Information Be Withheld to Deter Frivolous Suits?" *RAND Journal of Economics*, v. 28, n. 1, pg. 120-134, 1997 (with Yeon-Koo Che).
- "Environmental Penalties against Enterprises and Employees: Labor Contracts and Cost-Shifting in the Czech Republic," *Comparative Economic Studies*, v. 38, n. 4, pg. 1-34, 1996.

FORTHCOMING BOOKS

“Pollution Limits and Polluters’ Efforts to Comply: The Role of Government Monitoring and Enforcement,” forthcoming in the *Stanford University Press*, publication date of 2010 (with Robert Glicksman)

FORTHCOMING BOOK CHAPTERS

“Combining Contingent Behavior, Contingent Pricing, and Revealed Preference Data to Improve the Valuation of Time in a Recreation Context”, chapter in book edited by John Whitehead, Timothy Haab, and Ju-Chin Huang titled *Preference Data for Environmental Valuation: Combining Revealed and Stated Approaches*, forthcoming in *Taylor & Francis Press* (with Daniel Phaneuf)

MANUSCRIPTS WITH REVISE-AND-RESUBMIT REQUEST:

“The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications” (revise-and-resubmit request from *Contemporary Economic Policy*) [with Dylan Rassier]

MANUSCRIPTS UNDER INITIAL REVIEW:

“The Influence of Financial Status on the Effectiveness of Environmental Enforcement” (submitted to *Journal of Public Economics*) [with Kathleen Segerson]

“Effect of the Regulator-Regulated Entity Relationship on Environmental Management: Coercive vs. Cooperative Enforcement” (submitted to *Journal of Law and Economics*) [with Robert Glicksman]

“Pollution Control in a Transition Economy: Do Firms Face Economies and/or Diseconomies of Scale?” (submitted to *Environment and Development Economics*) [with Lubomir Lizal]

RESEARCH PAPERS:

“The Effect of Enforcement Sanctions on Facility-Level Water Pollution: Does the Type of Sanction Matter?”

“Does Better Environmental Performance Affect Revenues, Costs, or Both? Evidence from a Transition Economy” (with Lubomir Lizal)

“Using Joint Estimation of Multiple Regression Equations to Test Stability of Vegetation-Environment Relationships” (with Sharon Ashworth)

“The Effects of Financial Status on Corporate Environmental Performance: Liquidity, Solvency, and ‘Bottomline Success’”

“Using Stated Preference Methods to Value Open Space”

“Exploring the Links between Financial Performance and Environmental Performance in a Transition Economy ” (with Lubomir Lizal)

“Financial Effects of Environmental Regulation: Actual Profitability Outcomes versus Investor’s Profitability Expectations” (with Dylan Rassier)

- “The Effect of Community Pressure on Polluter Compliance Levels: Is Community Pressure Sufficient for Ensuring Compliance?”
- “Using Choice-Based Conjoint Analysis to Value Open Space and its Duration at Residential Locations”
- “The Countervailing Effects of Atrazine on Water Recreation: Are Recreators Able to Evaluate Them?” (with Val Smith)
- “Comparing and Combining Revealed and Stated Preference Methods to Value Open Space and its Duration at Residential Locations”
- “The Effects of Orthogonal and Countervailing Variation in Multiple Dimensions of Water Quality on Recreation Demand”

CONFERENCE PRESENTATIONS:

- “Effect of Voluntary Environmental Management Systems on Environmental Performance,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in San Francisco, CA, January 4, 2009.
- “Effect of EPA Sector Policy on Facility-Level Environmental Performance: “Significant” Status and ‘Priority’ Status,” presented at the University of Colorado Workshop on Environmental and Resource Economics in Vail, CO, September 19, 2008.
- “Effect of EPA Sector Policy on Facility-Level Environmental Performance: “Significant” Status and ‘Priority’ Status,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Environmental and Energy Economics Workshop in Cambridge, MA, July 21, 2008.
- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” presented at the Occasional California Workshop on Environmental and Resource Economics in Santa Barbara, CA, sponsored by the University of California at Santa Barbara, March 22, 2008.
- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in New Orleans, LA, January 4, 2008.
- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 17, 2007.
- “The Effects of Financial Status on Corporate Environmental Performance: Liquidity, Solvency, and ‘Bottomline Success’,” presented at the Colorado State University Agricultural and Resource Economics departmental seminar, March 23, 2007.
- “The Effects of Financial Status on Corporate Environmental Performance: Liquidity, Solvency, and ‘Bottomline Success’,” presented at the University of Colorado – Boulder Economics departmental seminar, March 22, 2007.
- “People’s Responses to Variation in Environmental Quality: An Economist’s Perspective,” presented at the *Population and Environment: Interdisciplinary Perspectives*, Global Research on Water-Based Economies (GRoWE) Symposium IV, hosted by Kansas Population Center, Kansas State University, November 10, 2006.

- “Effect of Voluntary Environmental Management Systems on Environmental Performance,” presented at the University of Colorado Workshop on Environmental and Resource Economics in Vail, CO, September 22, 2006.
- “Do Entrepreneurs Adopt Better Environmental Management Practices?” (with J. Mark Leonard) presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 18, 2006.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure, Financial Status, and Facility Characteristics,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Boston, MA, January 7, 2006.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure and Financial Status” presented at the National Bureau of Economic Research (NBER) Public Economics – Environmental Economics Summer Workshop, July 28, 2005.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure and Facility and Firm Characteristics” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 20, 2004.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure and Facility and Firm Characteristics” presented at the Camp Resources Workshop in Wilmington, NC, August 17, 2004.
- “Effects of Interventions on Corporate Environmental Performance: Does the Source Matter?” presented at the Environmental Protection Agency (EPA) Workshop on Corporate Environmental Performance in Washington, DC, April 26, 2004.
- “Effects of Ownership and Financial Status on Corporate Environmental Performance” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 21, 2003.
- “Effects of Ownership and Financial Status on Corporate Environmental Performance” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, July 28, 2003.
- “The Effects of Orthogonal and Countervailing Variation in Multiple Dimensions of Water Quality on Recreation Demand” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 23, 2002.
- “Effects of Permitted Effluent Limits on Compliance Levels” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, July 29, 2002.
- “Comparing and Combining Revealed and Stated Preference Methods to Value Open Space and its Duration at Residential Locations” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Atlanta, GA, January 5, 2002.
- “The Effect of Community Pressure on Polluter Compliance Levels: Is Community Pressure Sufficient for Ensuring Compliance?” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 24, 2001.
- “Compliance with Water Pollution Limits: Is Enforcement Necessary or Sufficient?” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, July 30, 2001.

- “Effects of Ownership on Environmentally-Related Corporate Performance in the Czech Republic,” presented at the Association for Comparative Economic Studies (ACES) Meetings in New Orleans, LA, January 7, 2001.
- “The Value of Time: Combining Revealed and Stated Preference Data to Estimate Recreation Demand,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in New Orleans, LA, January 5, 2001.
- “Combining Revealed and Stated Preference Data to Estimate Recreational Benefits,” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 17, 2000.
- “Environmental Performance and the Effectiveness of Government Intervention,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, August 7, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Centre for Economic Policy Research (CEPR) and William Davidson Institute International Conference on Transition Economics in Moscow, July 3, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Association of Law and Economics (ALEA) Meetings in New York, NY, May 6, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Boston, MA, January 9, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Association for Comparative Economic Studies (ACES) Meetings in Boston, MA, January 9, 2000.
- “Valuation of Time Costs: Linking Revealed and Stated Preferences to Estimate Recreational Benefits,” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 19, 1999.
- “The Value of Time: Combining Revealed and Stated Preference Data to Estimate Recreation Demand,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, August 2, 1999.
- “Liability for Past Environmental Contamination and Privatization,” presented at the Association of Law and Economics (ALEA) Meetings in New Haven, CT, May 7, 1999.
- “Liability for Past Environmental Contamination and Privatization,” presented at the Association for Comparative Economic Studies (ACES) Meetings in New York, NY, January 4, 1999.
- “Combining Revealed and Stated Preference Methods to Value the Presence and Quality of Environmental Amenities,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and the Environment, Boston, MA, August 1, 1998.
- “Environmental Crime and Punishment in the Czech Republic: Penalties Against Firms and Employees,” presented at the American Law and Economics Association (ALEA) Meetings in Berkeley, CA, May 8, 1998.

- “Environmental Crime and Punishment in the Czech Republic: Penalties Against Enterprises and Employees,” presented at the Association for Comparative Economic Studies (ACES) Meetings in Chicago, IL, January 4, 1998.
- "Public Involvement in and Political Influence on Government Environmental Protection Efforts in Centrally Planned and Transitional Economies," presented at the Association for Comparative Economic Studies Meetings, Paper Competition Panel, in New Orleans, LA, January 6, 1997.
- "Environmental 'Civil Litigation' in the Czech Republic," presented at the Southern Economic Association Meetings in Washington, DC, November 24, 1996.
- "Teaching About the Russian and East European Economies," presented as part of a roundtable panel at the American Association for the Advancement of Slavic Studies (AAASS) National Convention in Boston, MA, November 14, 1996.
- "Coordination of Public and Private Enforcement: Water Quality Protection in the Czech Republic" presented at the Ninth Maastricht Workshop in Law and Economics at the University of Limburg in Maastricht, Netherlands, April 4, 1996.
- "Environmental Crime and Punishment in Centrally Planned and Transition Economies: Corporate and Employee Fines" presented at the Association for Comparative Economic Studies (ACES) Meetings in San Francisco, CA, January 7, 1996. (Session Chairperson)
- "Environmental Enforcement in a Centrally Planned and Transitional Market Economy" presented at the Association of Environmental and Resource Economists (AERE) Meetings in Washington, DC, January 8, 1995. (Session Chairperson)

OTHER RESEARCH EXPERIENCE:

Wisconsin Department of Natural Resources, Bureau of Research, Madison, WI
 Research on firms' efforts to prevent pollution. 4/94-10/94

Institute for Research on Poverty, University of Wisconsin - Madison, Madison, WI
 Research on the effect of taxes on poverty duration; with Andrew Reschovsky. 9/90-9/91

Resources for the Future, Quality of the Environment Division, Washington, DC. 1989

Board of Governors of the Federal Reserve System, Washington, DC
 Division of Research and Statistics, Capital Markets Section
 Research on interactions between stock, bond, and derivative markets;
 with Pat White, Patrick Parkinson, Mark Warshawsky, Patrick Lawler. 8/87-5/89

PROFESSIONAL SERVICE:

Research Fellow, William Davidson Institute, 2002-present
 Association for Comparative Economic Studies (ACES), *Comparative Economic Studies*,
 Editorial board membership, January 2002 - January 2008
 Association for Comparative Economic Studies (ACES), *Comparative Economics Studies*,
 symposium editor, January 2005- June 2006
 Association of Environmental and Resource Economists (AERE), Program Committee,

January 2007 - present;
Referee Service to Academic Journals:
Journal of Environmental Economics and Management
Land Economics
Economic Inquiry
Transportation Research - Part E: Logistics and Transportation Review
Journal of Law, Economics, and Organization
Journal of Urban Economics
Journal of Agricultural and Resource Economics
B.E. Journals in Economic Analysis and Policy
Journal of Regulatory Economics
Contemporary Economic Policy
Ecological Economics
European Journal of Law and Economics
Environmental and Resource Economics

FOREIGN LANGUAGES:

Russian: reading, writing, speaking - fair Czech: reading, speaking - fair