

# University of Warwick

Faculty of Social Studies  
Department of Economics

## Curriculum Vita

Charles Blackorby

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### Personal Coordinates

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### Education

B.A., Harvard College, 1993  
Ph.D., The Johns Hopkins University, 1967

### Academic Employment

Assistant Professor at the University of California Santa Barbara, 1967-1970  
Lecturer at the London School of Economics, 1970-1972  
Associate Professor at Southern Illinois University at Carbondale, 1972-1975  
Visiting Associate Professor at the University of British Columbia, 1974-1975  
Associate Professor at the University of British Columbia, 1975-1978  
Professor at the University of British Columbia, 1978-2002  
Associate Member of GREQAM, 1989-present  
Professor at the University of Warwick, 2002- present

### Professional Activities

Associate Editor  
Social Choice and Welfare

The Journal of Public Economics  
 The Journal of Public Economic Theory

### Awards and Distinctions

Killam Prize 1989  
 Innis Lecture at the Canadian Economic Association Meeting 1990  
 President of the Canadian Economic Association 2001-2002  
 University of British Columbia Jacob Bieleley Award  
 Fellow of the Econometric Society

## Publications

### Journal Articles

- “Rationalizable Variable-Population Choice Function” (with W. Bossert and D. Donaldson), in *Economic Theory* **19**, 2002, 355-378.
- “Population Principles with Number-Dependent Critical Levels” (with W. Bossert and D. Donaldson) in the *Journal of Public Economic Theory* **4**, 2002, 347-368.
- “Utilitarianism and the Theory of Justice” (with W. Bossert and D. Donaldson) in the *Handbook of Social Choice and Welfare* edited by K. Arrow, A. Sen, and K. Suzumura, Elsevier, Amsterdam, 2002, 543-596.
- “Canadian Unemployment Insurance as a Pareto-Optimal Policy Instrument” in the *Canadian Journal of Economics* **34**, 2001, 849-858.
- “Population Ethics and the Existence of Value Functions” (with W. Bossert and D. Donaldson) in the *Journal of Public Economics* **82**, 2001, 301-308.
- “The Value of Limited Altruism” (with W. Bossert and D. Donaldson), in the *Journal of Economic Theory* **95**, 2000, 37-70.
- “Fiscal Federalism Revisited” (with C. Brett) in the *Journal of Economic Theory* **95**, 2000, 300-317.
- “Adult-Equivalence Scales: A Brief Survey” in *Économie Publique* **3**, 1999, 49-66.
- “Partial-Equilibrium Welfare Analysis” in the *Journal of Public Economic Theory* **1**, 1999, 359-374.
- “Functional Equations and Population Ethics” (with W. Bossert and D. Donaldson), in *Aequationes Mathematicae* **58**, 1999, 272-284.
- “Foreign Aid and Population Policy: Some Ethical Considerations” (with W. Bossert and D. Donaldson) in the *Journal of Development Economics* **59**, 1999, 203-232.
- “Rationalizable Solutions to Pure Population Problems” (with W. Bossert and D. Donaldson) in *Social Choice and Welfare* **16**, 1999, 395-407.

- “Information Invariance in Variable-Population-Social Choice Problems” (with W. Bossert and D. Donaldson) in the *International Economic Review* **40**, 1999, 403-422.
- “Price-Independent Welfare Prescriptions and Population Size” (with W. Bossert and D. Donaldson) in the *Journal of Economic Theory* **84**, 1999, 111-119.
- “Market Demand Curves and Dupuit-Marshall Consumers’ Surpluses: A General Equilibrium Analysis” (with D. Donaldson) in *Mathematical Social Science* **37**, 1999, 139-163.
- “Harsanyi’s Social Aggregation Theorem for State-Contingent Alternatives” (with D. Donaldson and J. Weymark) in the *Journal of Mathematical Economics* **32**, 1999, 365-387.
- “The Aggregation and Disaggregation of Efficiency Indices” (with R. Robert Russell) in the *Journal of Productivity Analysis* **12**, 1999, 5-20
- “Uncertainty and Critical-Level Population Principles” (with W. Bossert and D. Donaldson) in the *Journal of Population Economics* **11**, 1998, 1-20.
- “Critical-Levels and the (Reverse) Repugnant Conclusion” (with W. Bossert, D. Donaldson and M. Fleurbaey) in the *Journal of Economics* **67**, 1998, 1-15.
- “Birth-Date Dependent Population Ethics: Critical-Level Principles” (with W. Bossert and D. Donaldson) in the *Journal of Economic Theory* **77**, 1997, 260-284.
- “Critical-Level Utilitarianism and the Population-Ethics Dilemma” (with W. Bossert and D. Donaldson) in *Economics and Philosophy* **13**, 1997, 197-230.
- “Intertemporally Consistent Population Ethics: Birth-Date Dependent Classical Principles” (with W. Bossert and D. Donaldson) in the *Japanese Economic Review* **48**, 1997, 267-292.
- “Two-Stage Budgeting: An Extension of Gorman’s Theorem” (with R. Robert Russell) in *Economic Theory* **9**, 1997, 185-193.
- “Leximin Population Ethics” (with W. Bossert and D. Donaldson) in *Mathematical Social Sciences* **31**, 1996, 115-131.
- “Consistency, Replication Invariance, and Generalized Gini Bargaining Solutions” (with W. Bossert and D. Donaldson) in the *Journal of Economic Theory* **69**, 1996, 367-386.
- “Quasi-Ordering and Population Ethics” (with W. Bossert and D. Donaldson) in *Social Choice and Welfare* **13**, 1996, 129-150.
- “Intertemporal Population Ethics: Critical-Level Utilitarian Principles” (with W. Bossert and D. Donaldson) in *Econometrica* **63**, 1995, 1303-1320.
- “Proportional Budgeting and Decentralization” (with R. Robert Russell) in *Econometrica* **63**, 1995, 431-440.
- “Multi-Valued Demand and Rational Choice in the Two-Commodity Case” (with W. Bossert and D. Donaldson) in *Economic Letters* **47**, 1995, 5-10.
- “Generalized Ginis and Cooperative Bargaining Solutions” (with W. Bossert and D. Donaldson) in *Econometrica* **62**, 1994, 1161-1178.
- “The Conjunction of Direct and Indirect Separability” (with R.R. Russell) in the *Journal of Economic Theory* **62** 1994, 480-498.
- “Information and Intergroup Transfers” (with D. Donaldson) in the *American Economic Review: Papers and Proceedings* **84**, 1994, 4
- “Economies with a Two-Sector Representation” (with R. Davidson and W. Schworm) in *Economic Theory* **60**, 1993, 413-434.

- “Adult-Equivalence Scales and the Economic Implementation of Interpersonal Comparison of Well-Being” (with D. Donaldson) in *Social Choice and Welfare* **10**, 1993, 335-361.
- “Reference-Price-Independent Welfare Prescriptions” (with F. Laisney and R. Schmachtenberg) in the *Journal of Public Economics* **50**, 1993, 63-76.
- “Necessary and Sufficient Conditions for Factor Price Equalization” (with W. Schworm and A. Venables) in the *Review of Economic Studies* **60**, 1993, 413-434.
- “The Implications of Additive Community Preferences” (with W. Schworm and A. Venables) in the *Review of Economic Studies* **60**, 1993, 209-228.
- “Equivalence Scales and Welfare: A Comment” (with D. Donaldson) in the *Journal of Public Economics* **50**, 1993, 143-146.
- “The Value of Living: A Comment” (with D. Donaldson) in *Rcherche Economique de Louvain* **58**, 1992, 143-145.
- “Pigs and Guinea Pigs: A Note on the Ethics of Animal Exploitation” (with D. Donaldson) in the *Economic Journal* **102**, 1992, 1345-1369.
- “Normative Population Theory: A Comment” (with D. Donaldson) in *Social Choice and Welfare* **8**, 1991, 261-267. “Implicit Separability: Characterisation and Implications for Consumer Demand” (with R. Davidson and W. Schworm) in the *Journal of Economic Theory* **55**, 1991, 364-399.
- “Elasticity of Substitution in a Regulated Firm” (with R. Robert Russell) in *Economic Letters* **32**, 1990, 111-114.
- “Will the Real Elasticity of Substitution Please Stand Up? (A Comparison of the Allen/Uzawa and Morishima Elasticities)” (with R. Russell) in the *American Economic Review* **79**, 1989, 882-888.
- “Cash Versus Kind, Self-Selection, and Efficient Transfers” (with D. Donaldson) in the *American Economic Review* **78**, 1988, 691-700. “Money Metric Utility: A Harmless Normalization?” (with D. Donaldson) in the *Journal of Economic Theory* **46**, 1988, 120-129.
- “The Existence of Input and Output Aggregates in Aggregate Production Functions” (with W. Schworm), in *Econometrica* **56**, 1988, 613-644.
- “Welfare Ratios and Distributionally Sensitive Cost-Benefit Analysis” (with D. Donaldson) in the *Journal of Public Economics* **34**, 1987, 265-290.
- “Can Risk-Benefit Analysis Provide Consistent Policy Evaluation of Projects Involving Loss of Life?” (with D. Donaldson) in the *Economic Journal* **96**, 1986, 758-773.
- “Consumers’ Surpluses and Consistent Cost-Benefit Tests” (with D. Donaldson) in *Social Choice and Welfare* **1**, March 1985, 251-262.
- “Ethical Social Index Numbers and the Measurement of Effective Tax/Benefit Progressivity” (with D. Donaldson) in the *Canadian Journal of Economics* **17**, 1984, 683-694.
- “The Structure of Economies with Aggregate Measures of Capital: A Complete Characterization” (with W. Schworm) in the *Review of Economic Studies* **51**, 1984, 633-650.
- “Social Criteria for Evaluating Population Change” (with D. Donaldson) in the *Journal of Public Economics* **25**, 1984, 13-34.

- “Social Choice with Interpersonal Utility Comparisons: A Diagrammatic Introduction” (with D. Donaldson and J. Weymark) in the *International Economic Review* **25**, No. 2, June 1984, 327-356.
- “Consumers’ Surplus and Welfare Change in a Simple Dynamic Model” (with D. Donaldson and D. Maloney) in the *Review of Economic Studies* **51**, January 1984, 171-176.
- “Aggregation Heterogeneous Capital in Adjustment-Cost Models” (with W. Schworm) in the *Scandinavian Journal of Economics* **85**, No. 2, 1983, 207-222.
- “Intertemporal Technologies and the Existence of an Aggregate Investment Function” (with W. Schworm) in the *Review of Economic Studies* **49**, 1982, 595-614.
- “Ratio-Scale and Translation-Scale Full Interpersonal Comparability Without Domain Restrictions: Admissible Social-Evaluation Functions” (with D. Donaldson) in the *International Economic Review* **23**, 1982, 249-268.
- “A Normative Approach to Industrial-Performance-Evaluation and Concentration Indices” (with D. Donaldson and J. Weymark) in the *European Economic Review* **19**, 1982, 89-122.
- “A New Procedure for the Measurement of Inequality Within and Among Population Subgroups” (with D. Donaldson and M. Auersperg) in the *Canadian Journal of Economics* **14**, 1981, 665-685.
- “The Morishima Elasticity of Substitution; Symmetry, Constancy, and Relationship to the Hicks and Allen Elasticities” (with R. Russell) in the *Review of Economic Studies* **48**, 1981, 147-158.
- “Ethical Indices for the Measurement of Poverty” (with D. Donaldson) in *Econometrica* **48**, 1980, 1053-1960.
- “Index Numbers and Consistency in Aggregation” (with D. Primont) in the *Journal of Economic Theory* **22**, 1980, 87-98.
- “A Theoretical Treatment of Indices of Absolute Inequality” (with D. Donaldson) in the *International Economic Review* **21**, 1980, 107-136.
- “Expenditure Functions, Local Duality, and Second Order Approximations” (with W.E. Diewert) in *Econometrica* **47**, 1979, 579-602.
- “Measures of Relative Equality and Their Meaning in Terms of Social Welfare” (with D. Donaldson) in the *Journal of Economic Theory* **18**, 1978, 59-80.
- “Estimation of Demand Systems Generated by the Gorman Polar Form: A Generalization of the S-Branch Utility Tree” (with R. Boyce, and R. Russell) in *Econometrica* **46**, 1978, 345-364.
- “Indices and Subindices of the Cost of Living and the Standard of Living” (with R. Russell) in the *International Economic Review* **19**, 1978, 229-240.
- “A Homiletic Exposition of the Expected Utility Hypothesis” (with R. Davidson and D. Donaldson) in *Economica* **44**, 1977, 251-358.
- “Utility vs. Equity: Some Plausible Quasi-Orderings” (with D. Donaldson) in the *Journal of Public Economics* **7**, 1977, 365-381.
- “Separability vs. Functional Structure: A Characterization of Their Differences” (with D. Primont and R. Russell) in the *Journal of Economic Theory* **15**, 1977, 135-144.

- “On Testing Separability Restrictions with Flexible Functional Forms” (with D. Primont and R. Russell) in the *Journal of Econometrics* **5**, 1977, 195-209.
- “Dual Price and Quantity Aggregation” (with D. Primont and R. Russell) in the *Journal of Economic Theory* **14**, 1977, 130-148.
- “Extended Hicks Neutral Technical Change” (with C. Knox Lovell and M. Thursby) in the *Economic Journal* **86**, 1976, 845-852.
- “Functional Structure and the Allen Partial Elasticities of Substitution: An Application of Duality Theory” (with R. Russell) in the *Review of Economic Studies* **43**, 1976, pp. 285-291.
- “Degrees of Cardinality and Aggregate Partial Ordering” in *Econometrica* **43**, 1975, 845-852.
- “Budgeting, Decentralization and Aggregation” (with D. Primont and R. Russell) in the *Annals of Economic and Social Measurement* **4**, 1975, 23-44.
- “Some Simple Remarks on Duality and the Structure of Utility Functions” (with D. Primont and R. Russell) in the *Journal of Economic Theory* **11**, 1975, 155-160.
- “Recursively Decentralized Decision Making” (with D. Nissen, D. Primont, and R. Russell) in *Econometrica* **42**, 1974, 487-496.
- “Consistent Intertemporal Decision Making” (with D. Nissen, D. Primont, and R. Russell) in the *Review of Economics Studies* **40**, 1973, 239-248.
- “Homothetic Separability and Consumer Budgeting” (with G. Lady, D. Nissen, and R. Russell) in *Econometrica* **38**, 1970, 468-471.

### Conference Proceedings

- “Social Aggregation and the Expected Utility Hypothesis”, (with D. Donaldson and J. Weymark), forthcoming in *Justice, Political Liberalism, and Utilitarianism* edited by M. Salles and J. Weymark, Cambridge University Press: Cambridge.
- “Income Inequality Measurement: The Normative Approach” (with W. Bossert and D. Donaldson) in *Income Inequality Measurement: From Theory to Practice* edited by J. Silber, Kluwer: Dordrecht, 1999, 133-157.
- “Intertemporal Consistent Population Ethics: Classical Utilitarian Principles” (with W. Bossert and D. Donaldson) in *Social Choice Re-Examined*, Vol. **2**, edited by K. Arrow, A. Sen, and K. Suzumura, MacMillan: London, 1996, 137-162.
- “Ethically-Consistent Welfare Prescriptions Are Reference-Price Independent” (with F. Laisney and R. Schmachtenberg) in *Measuring Economic Welfare* edited by R. Blundell and I. Walker, Cambridge University Press: Cambridge, 1994, 247-264.
- “Measuring the Costs of Children: A Theoretical Framework” (with D. Donaldson) in *Measuring Economic Welfare* edited by R. Blundell and I. Walker, Cambridge University Press: Cambridge, 1994, 51-79.
- “Samuelson’s ”Shibboleth” Revisited: Proportional Budgeting Among Agents and Rank-Two Demand Systems” (with R.R. Russell) in *Mathematical Modeling in Economics* edited by W. Diewert, K. Spreman, and F. Stehling, Heidelberg: Springer-Verlag, 1993, 35-47.

- “Adult-Equivalence Scales, Intepersonal Comparisons of Well-Being, and Applied Welfare Economics” (with D. Donaldson) in *Interpersonal Comparisons of Well-Being* edited by J. Elster and J. Roemer, Cambridge University Press: Cambridge, 1991, 164-199.
- “Ethically Significant Ordinal Indexes of Relative Inequality” (with D. Donaldson) in *Advances in Econometrics* Vol. **3**, *Economic Inequality: Measurement and Policy* edited by R.L. Basmann and G.F. Rhodes, JAI Press: Greenwich, 1984, 131-147.
- “Consistent Commodity Aggregates in Market Demand Equations” (with W. Schworm) in *Measurement in Economics* edited by Wolfgang Eichhorn, Physica-Verlag, 1988, 577-606.
- “Preference Diversity and Aggregate Economic Cost-of-Living Indexes” (with D. Donaldson) in *Conference Proceedings: Statistics Canada Conference on Price Measurement*, edited by W.E. Diewert and C. Marquette, 1983, 373-409, reprinted in *Price Level Measurement* edited by W. E. Diewert, North-Holland, 1990, 285-320.
- “Rationalizing the Use of Aggregates in Resource Problems” (with W. Schworm) in the *Economic Theory of Natrual Resources* edited by W. Eichhorn, R. Henn, K. Neumann, and R.W. Shepard, Physica: Wurzburg, 1982, 25-40.
- “An Extension and Alternative Proof of Gorman’s Theorem on Perfect Price Aggregation” (with D. Primont and R. Russell) in *The Theory of Economic Index Numbers* edited by W. Eichhorn, Physica: Wurzburg, 1978, 109-141.

## Books

- Duality, Separability, and Functional Structure: Theory and Economic Applications* (with D. Primont and R. Russell), American Elsevier/North Holland: New York/Amsterdam, 1978.
- The Collected Works of W. M. Gorman: Volume I* edited in conjunction with A. Shorrocks, Clarendon Press, Oxford, 1995.

## Chapters in books

- “Income Inequality Measurement: The Normative Approach” (with W. Bossert and D. Donaldson), Chapter 5 in *Income Inequality Measurement: From Theory to Practice* edited by Jacques Silber, Kluwer: Dordrecht, 1998, 49-92.
- “Separability: A Survey” (with D. Primont and R. Russell) in *The Handbook of Utility Theory* Vol. **1** edited by S. Barbera, P. Hammond, and C. Seidl, Kluwer: Dordrecht, 1998, 49-92.
- “Samuelson’s ”Shibboleth” Revisited: Proportional Budgeting Among Agents and Rank-Two Demand Systems” (with R.R. Russell) in *Mathematical Modeling in Economics* edited by W. Diewert, K. Spreman, and F. Stehling, Heidleberg: Springer-Verlag , 1993, 35-47.
- “Ordering”, “Preorderings”, and “Lexicographic Orderings” in *Utility and Probability* edited by J. Eatwell, M. Milgate, and P. Newman, reprinted from *The New Palgrave*, 1990, 134, 142-143, and 161-162.
- “The Macroeconomic Consequences of Expo 86” (with M. Slade and R. Picard) in *The Expo Story* edited by R. Anderson and E. Wachtel, Vancouver: Harbor, 1986.

“Expo 86: An Economic Impact Analysis” (with M. Slade, D. Donaldson, and R. Picard) in *Restraining the Economy* edited by R. Allen and G. Rosenbluth, Vancouver: New Star, 1986.