THE UNIVERSITY OF BRITISH COLUMBIA

PUBLICATIONS RECORD

NAME IN FULL (surname first): DIEWERT, Walter Erwin

FACULTY: Arts

DEPARTMENT OR SCHOOL: Economics

Date of most recent revision (please initial)
Oct. 15/19

(Complete two copies according to the following categories):

a) Publications or original works (including books, performances, films, exhibitions, etc.). List in proper bibliographical form according to the discipline including title and pagination, and indicate with an asterisk those you consider of primary importance. Include only those published or in press. Work appearing in refereed publications should either be identified by an R in the left hand margin beside the bibliographical entry or by separate listing under the heading: Refereed Publications.

Example 1:

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b) Completed and unpublished material including Commission Reports, Discussion Papers or similar materials (include only those of significance; if paper read at a conference, indicate date and nature of conference as well as status of other material).

c) Work in progress (indicate degree of completion at the time of last updating of curriculum vitae).

a) Publications or original works: Journal Articles


*69 “Index Number Approaches to Seasonal Adjustment”, Macroeconomic Dynamics 3 (1999), pp. 1-21.


82 “Why We Need a Return to Experience Rating in EI”, (with A.O. Nakamura), Fraser Forum, (February 2004), pp. 10-12.


135 “Output Growth and Inflation Across Space and Time” (with Kevin J. Fox), EURONA 2017:1, pp.7-40.


138 “Addendum to Output Growth and Inflation Across Space and Time” (with Kevin Fox), forthcoming in EURONA, pp.1-10.

a) Publications: Books


4 Price Level Measurement (editor), Contributions to Economic Analysis 196, Amsterdam: North-Holland, (1990), 377 pp. (This is a shrunken version of book 1 listed above).


a) Publications: Government Publications and Contributions to Books

1 “Canadian Labour Markets: A Neoclassical Econometric Approach”, Research Branch, Department of Manpower and Immigration, Ottawa, Ontario (1968), 86 pp.


"A Review of the Unitel Evidence, Parts 11 and 12", Evidence submitted to the CRTC, Ottawa, (December 28, 1990), 26 pages plus Appendices.

"Multiproduct Cost Function Estimation and Subadditivity Tests: A Critique of the Evans and Heckman Research on the U.S. Bell System", (with T.J. Wales), Evidence submitted to the CRTC, Ottawa, (December 28, 1990), 18 pages. (Also printed as Department of Economics, University of British Columbia, Discussion Paper No. 91-21, 19 pp.)

"On the Subadditivity of Telecommunications Cost Functions: Some Empirical results for the U.S. and Japan", (with T.J. Wales), Evidence submitted to the CRTC, Ottawa, (December 28, 1990), 41 pages plus Appendices.


*47 “Duality Approaches To Microeconomic Theory”, in Essays in Index Number Theory, Volume I, Contributions to Economic Analysis 217, W.E. Diewert and A.O. Nakamura (eds.), Amsterdam: North Holland, (1993), pp. 105-175. This is an expanded version of 16 above.


49 “The Consumer Price Index”, written and oral testimony to the Committee on Finance, United States Senate, (April 6, 1995), 6 pp. of written testimony, parts of 94 pages of oral testimony.


138 “Problems with the Measurement of Banking Services in a National Accounting Framework”, (with Dennis Fixler and Kimberly Zieschang), *National Accounting and Economic


b) Completed and Unpublished Material


6 "Tests for the Consistency of Consumer Data and Nonparametric Index Numbers", (with C.
Parkan), Discussion Paper No. 78-26, Department of Economics, University of British

7 "Cost Benefit Analysis and Project Evaluation form the Viewpoint of Productive Efficiency”,
Technical Report No. 316, Institute for Mathematical Studies in the Social Sciences,
Stanford University, (June 1980), 48 pp.

8 "The Welfare Effects of a Regulatory Constraint: A Productive Efficiency Approach”, Discussion
Paper No. 81-17, Department of Economics, University of British Columbia, Vancouver,

9 “On the Relationship between the Measurement of Deadweight Loss and the Measurement of
Project Benefits”, Discussion Paper No. 84-32, Department of Economics, University of

10 “Neutral Business Income Taxation Revisited”, Discussion Paper No. 85-04, Department of
30.

11 “Microeconomic Approaches to the Theory of International Comparisons”, Technical Working
Paper No. 53, National Bureau of Economic Research, Cambridge, Mass, 02138, (June

12 “Efficiency Improving Incentive Schemes for Regulated Industries”, Discussion Paper No. 85-
34, Department of Economics, University of British Columbia, Vancouver, B.C., Canada,
(November 1985), 110 pp. (A condensed version was published in Telecommunications
Demand Modelling; see #36 above.)

13 “A Brief Survey of Duality Theory”, Discussion Paper No. 86-13, Department of Economics,
Seminar, Beijing, April 23-25, 1986.)

86-31, Department of Economics, University of British Columbia, Vancouver, B.C.,

15 “The Gains from Trade Revisited”, Discussion Paper No. 87-19, Department of Economics,
University of British Columbia, Vancouver, B.C., Canada, (June 1987), 36 pp.

16 “Adjusting the Consumer Price Index for Changes in Taxes”, (with J. Bossons), Discussion Paper
No. 87-09, Department of Economics, University of British Columbia, Vancouver, B.C.,

17 “Deadweight Loss Measurement and Project Evaluation Criteria”, Discussion Paper No. 87-40,
Department of Economics, University of British Columbia, Vancouver, B.C., Canada,

19 “The Measurement of Productivity in Regulated Industries”, Discussion Paper No. 91-20,
Department of Economics, University of British Columbia, Vancouver, B.C., Canada,
(June 1991), 75 pp.

20 “Data Envelopment Analysis: A Practical Alternative”, Discussion Paper No. 95-30, Department
of Economics, University of British Columbia, Vancouver, B.C., Canada, (October 1995),
17 pp.


“New Measures of the Excess Burden of Capital Taxation in Canada”, presented at the Creating Canada’s Advantage in an information Age Conference, Ottawa, (May 2000), (with D. Lawrence), pp. 52.


“Should Canada’s Rate of Capital Gains Taxation be Reduced?”, (with D.A. Lawrence), Discussion Paper No. 99-19, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (June 1999), 22 pp.


Chapter 4 - Constructing a Capital Stock for R&D Investments, 16 pp.
Chapter 5 - Constructing a Capital Stock for Inventories and the Measurement of Inventory Change, 17 pp.
Chapter 6 - The Aggregation of Capital over Vintages in a Model of Embodied Technical Progress, 32 pp.
Chapter 8 - The Measurement of Performance: Productivity versus the Real Rate of Return, 68 pp.


61  “Depreciation, Deterioration and Obsolescence when there is Embodied or Disembodied Technical Change”, (with Frank C. Wykoff), Discussion Paper 06-02, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (December 2006), 31 pp.


65  “Services and the Treatment of International Trade: New Economy Data Needs and Challenges, paper presented at the International Conference on Total Factor Productivity Based on the KLEMS Industrial Database held on October 24, 2007 at the Korea Chamber of Commerce & Industry, Seoul, Korea, 18 pp.


72  “Comment on Different Approaches to Index Number Theory”, (with Robert J. Hill), Discussion Paper 09-05, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (January 2009), 18 pp.


“Chapter 2 – Accounting for Housing in a CPI”, (with Alice O. Nakamura), Discussion Paper 09-08, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (March 2009), 33 pp.

“Scanner Data, Time Aggregation and the Construction of Price Indexes”, (with Lorraine Ivancic and Kevin J. Fox), Discussion Paper 09-09, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (September 2009), 51 pp.


“Malmquist and Törnqvist Productivity Indexes: Returns to Scale and Technical Progress with Imperfect Competition”, (Kevin J. Fox), Discussion Paper 10-03, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (February 2010), 24 pp.


“Comment on Understanding PPPs and PPP Based National Accounts”, Discussion Paper 10-05, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (March 2010), 16 pp.

“Bias Due to Input Source Substitutions: Can It Be Measured?”, (Alice O. Nakamura), Discussion Paper 10-06, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (May 2010), 21 pp.

“Notes on Unit Value Index Bias”, (with Peter von der Lippe), Discussion Paper 10-08, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (October 2010), 22 pp.


“Methods of Aggregation above the Basic Heading Level within Regions”, Discussion Paper 11-05, Department of Economics, University of British Columbia, Vancouver, B.C., Canada, (September 2011), 50 pp.


“Note on Price Measurement”, a preliminary version of these Notes were presented at the 32nd General Conference of the International Association for Research in Income and Wealth held in Cambridge, MA, August 5-11, 2012.

Chapter 1 - Early Approaches to Index Number Theory, 27 pp.
Chapter 2 - The Economic Approach to Index Number Theory, 47 pp.
Chapter 3 - An Introduction to Multilateral Index Number Theory, 38 pp.
Chapter 4 - Elementary Price Indexes, 23 pp.
Chapter 5 - Lowe Indexes and the Practical Construction of a CPI, 16 pp.
Chapter 6 - The Treatment of Seasonal Commodities, 13 pp.
Chapter 7 - Scanner Data and the Rolling Year GEKS Method for Constructing Indexes, 12 pp.
Chapter 8 - An Empirical Illustration of Index Construction using Israeli Data on
Chapter 9 – Recommendations, 5 pp.


107 “Decomposing Malquist Productivity Indexes into Explanatory Factor”, (with Kevin Fox), Discussion Paper 13-09, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada, (September 2013), 37 pp.


116  “Sunk Costs and the Measurement of Commercial Property Depreciation”, (with Kevin J. Fox), Discussion Paper 14-06, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (June 2014), 17 pages.

117  “Decomposing Bjurek Productivity Indexes into Explanatory Factors”, (with Kevin J. Fox), Discussion Paper 14-07, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (June 2014), 42 pages.

118  “Alternative Approaches to Commercial Property Price Indexes for Tokyo”, (with Chihiro Shimizu), Discussion Paper 14-08, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (July 2014), 34 pages.


121  “Getting Rental Prices Right for Computers”, (with Hui Wei), Discussion Paper 14-11, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (December 2014), 33 pages.

122  “A Note on Reconciling Gross Output TFP Growth with Value Added TFP Growth”, Discussion Paper 14-12, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (December 2014), 10 pages.

“Output Growth and Inflation across Space and Time”, (with Kevin J. Fox) UNSW Business School Research paper No. 2015, ECON 4, University of New South Wales, Australia, (March 2015), 41 pages.


“Weekly versus Monthly Unit Value Price Indexes”, (with Kevin J. Fox and Jan de Haan), Discussion Paper 15-03, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (July 2015), 8 pages.


“Hedonic Regression Models for Tokyo Condominium Sales”, (with Chihiro Shimizu), Discussion Paper 15-07, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (December 2015), 33 pages.

“The User Cost of Nonrenewable Resources and Green Accounting”, (with Kevin J. Fox), Discussion Paper 16-01, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (March 2016), 8 pages.

“Interview of Professor W. Erwin Diewert”, (with Kevin J. Fox), Discussion Paper 16-02, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (June 2016), 59 pages.


“Decomposing Value Added Growth over Sectors into Explanatory Factors”, (with Kevin J. Fox), Discussion Paper 16-07, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (September 2016), 55 pages.

“Productivity Measurement in the Public Sector”, Discussion Paper 16-08, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (November 2016), 41 pages.

“Developing Land and Structure Price Indexes for Ottawa Condominium Apartments”, (with Kate Burnett-Isaacs and Ning Huang), Discussion Paper 16-09, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (November 2016), 31 pages.


140. “Alternative Approaches for Resale Housing Price Indexes”, (with Ning Huang and Kate Burnett-Isaacs), Discussion Paper 17-05, Vancouver School of Economics, University of British Columbia, Vancouver, B.C., Canada (May 2017), 36 pages.


149. “Scanner Data, Elementary Price Indexes and the Chain Drift Program”, Vancouver School of Economics, Discussion Paper 18-06, University of British Columbia, Vancouver, B.C., Canada (October 2018), 85 pages.


152 “Scanner Data, Elementary Price Indexes and the Chain Drift Program”, Vancouver School of Economics, Discussion Paper 18-06, University of British Columbia, Vancouver, B.C., Canada (October 2018), 85 pages

153 “Alternative Methods for Interpolating PPPs”, Vancouver School of Economics, Discussion Paper 18-07, University of British Columbia, Vancouver, B.C., Canada (October 2018), 45 pages

154 “Natural Resources and Missing Inputs in International Productivity Comparisons”, (with Daan Freeman, Robert Inklaar), Vancouver School of Economics, Discussion Paper 18-08, University of British Columbia, Vancouver, B.C., Canada (October 2018), 85 pages

155 “Measuring the Services of Durables and Owner Occupied Housing”, (with Chihiro Shimizu), Vancouver School of Economics, Discussion Paper 18-09, University of British Columbia, Vancouver, B.C., Canada (December 2018), 78 pages

156 “Quality Adjustment and Hedonics: A Unified Approach”, Vancouver School of Economics, Discussion Paper 19-01, University of British Columbia, Vancouver, B.C., Canada (January 2019), 79 pages


158 “Experimental Economics and the New Commodities Problem”, (with Kevin J. Fox and Paul Schreyer), Vancouver School of Economics, Discussion Paper 19-03, University of British Columbia, Vancouver, B.C., Canada (March 2019), 13 pages

159 “Measuring the Services of Durables and Owner Occupied Housing”, (with Chihiro Shimizu), Vancouver School of Economics, Discussion Paper 19-04, University of British Columbia, Vancouver, B.C., Canada (March 2019), 86 pages


161 “Productivity Indexes and National Statistics: Theory, Methods and Challenges”, (with Kevin J. Fox), Vancouver School of Economics, Discussion Paper 19-06, University of British Columbia, Vancouver, B.C., Canada (March 2019), 62 pages

162 “Money and the Measurement of Total Factor Productivity”, (with Kevin J. Fox), Vancouver School of Economics, Discussion Paper 19-07, University of British Columbia, Vancouver, B.C., Canada (May 2019), 19 pages
163 “Residential Property Price Indexes, Spatial Coordinates versus Neighbourhood Dummy Variables”, (with Chihiro Shimizu), Discussion Paper 19-08, University of British Columbia, Vancouver, B.C., Canada (September 2019), 48 pages.


c) Work in Progress

1. Further work on hedonic regression techniques in the measurement of house price change
2. The contribution of changes in the terms of trade to real income growth
3. Problems in the measurement of capital and income
4. Investigation of possible biases in the UK’s consumer price indexes
5. Problems in the measurement of productivity